

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080918\
 Data File : VX003963.D
 Acq On : 09 Aug 2018 20:50
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:56:44 AM

Quant Time: Aug 10 03:10:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	332118	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	492698	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	460663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	270890	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	212009	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	5.50	113	179623	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
50) Toluene-d8	8.72	98	690128	47.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.10%	
62) 4-Bromofluorobenzene	11.14	95	257265	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.19	85	157622	46.83	ug/l	99
3) Chloromethane	1.32	50	178960	39.08	ug/l	98
4) Vinyl Chloride	1.40	62	206725	45.27	ug/l	98
5) Bromomethane	1.64	94	93740	38.19	ug/l	99
6) Chloroethane	1.72	64	146958	50.30	ug/l	98
7) Trichlorofluoromethane	1.92	101	284811	47.24	ug/l	100
8) Diethyl Ether	2.19	74	128299	47.34	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	175128	46.47	ug/l	100
10) Methyl Iodide	2.51	142	134158	28.62	ug/l	99
11) Tert butyl alcohol	3.08	59	240962	227.77	ug/l	100
12) 1,1-Dichloroethene	2.37	96	168643	47.31	ug/l	99
13) Acrolein	2.29	56	100547	183.09	ug/l	100
14) Allyl chloride	2.72	41	314486	45.77	ug/l	99
15) Acrylonitrile	3.15	53	594338	235.44	ug/l	100
16) Acetone	2.45	43	586758	224.03	ug/l	100
17) Carbon Disulfide	2.57	76	471390	46.69	ug/l	100
18) Methyl Acetate	2.78	43	284966	49.97	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	615869	48.76	ug/l	100
20) Methylene Chloride	2.86	84	198772	48.09	ug/l	99
21) trans-1,2-Dichloroethene	3.16	96	185638	45.87	ug/l	99
22) Diisopropyl ether	3.87	45	610197	48.31	ug/l	99
23) Vinyl Acetate	3.82	43	2561624	243.74	ug/l	99
24) 1,1-Dichloroethane	3.70	63	357854	47.69	ug/l	100
25) 2-Butanone	4.71	43	952666	241.92	ug/l	99
26) 2,2-Dichloropropane	4.58	77	195180	36.07	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	216358	49.27	ug/l	95
28) Bromochloromethane	5.02	49	157813	49.15	ug/l	99
29) Tetrahydrofuran	5.17	42	488623	241.41	ug/l	100
30) Chloroform	5.21	83	346042	48.99	ug/l	99
31) Cyclohexane	5.57	56	301323	47.49	ug/l	100
32) 1,1,1-Trichloroethane	5.49	97	294716	49.75	ug/l	100
36) 1,1-Dichloropropene	5.80	75	260476	47.20	ug/l	99
37) Ethyl Acetate	4.87	43	290161	47.80	ug/l	100
38) Carbon Tetrachloride	5.78	117	258176	49.16	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	305315	46.93	ug/l	98
40) Benzene	6.14	78	802090	48.41	ug/l	99
41) Methacrylonitrile	5.06	41	163809	49.00	ug/l	100
42) 1,2-Dichloroethane	6.20	62	274156	48.93	ug/l	100
43) Isopropyl Acetate	6.47	43	449499	49.21	ug/l	100
44) Trichloroethene	7.21	130	214423	47.32	ug/l	93
45) 1,2-Dichloropropane	7.52	63	205355	47.99	ug/l	100
46) Dibromomethane	7.67	93	134828	48.53	ug/l	100
47) Bromodichloromethane	7.90	83	261353	49.94	ug/l	100
48) Methyl methacrylate	7.78	41	232399	50.05	ug/l	98
49) 1,4-Dioxane	7.76	88	103288	944.25	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1896922	250.53	ug/l	99
52) Toluene	8.79	92	513351	49.03	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	281703	47.62	ug/l	99
54) cis-1,3-Dichloropropene	8.44	75	307274	48.18	ug/l	99
55) 1,1,2-Trichloroethane	9.22	97	209506	48.97	ug/l	99
56) Ethyl methacrylate	9.18	69	322280	51.92	ug/l	100
57) 1,3-Dichloropropane	9.37	76	352527	49.23	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	792492	259.63	ug/l	100
59) 2-Hexanone	9.50	43	1450435	256.27	ug/l	100
60) Dibromochloromethane	9.59	129	214066	53.66	ug/l	100
61) 1,2-Dibromoethane	9.68	107	219196	51.17	ug/l	100
64) Tetrachloroethene	9.34	164	206268	45.52	ug/l	95
65) Chlorobenzene	10.14	112	571073	47.64	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.23	131	204937	49.73	ug/l	99
67) Ethyl Benzene	10.26	91	968134	49.34	ug/l	99
68) m/p-Xylenes	10.36	106	772092	100.70	ug/l	97
69) o-Xylene	10.70	106	371275	51.30	ug/l	97
70) Styrene	10.71	104	628078	53.00	ug/l	97
71) Bromoform	10.86	173	169027	48.47	ug/l	98
73) Isopropylbenzene	11.02	105	991943	49.50	ug/l	97
74) N-amyl acetate	6.47	43	449499	43.13	ug/l #	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	329915	48.03	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	288086m	48.15	ug/l	
77) Bromobenzene	11.26	156	262681	49.14	ug/l	99
78) n-propylbenzene	11.36	91	1134095	50.40	ug/l	100
79) 2-Chlorotoluene	11.42	91	668860	48.75	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	813067	49.76	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	83363	38.44	ug/l	97
82) 4-Chlorotoluene	11.51	91	785741	48.88	ug/l	100
83) tert-Butylbenzene	11.77	119	822757	51.18	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	850157	51.74	ug/l	99
85) sec-Butylbenzene	11.95	105	973949	51.34	ug/l	99
86) p-Isopropyltoluene	12.07	119	862942	50.69	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	483278	48.90	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	465153	49.08	ug/l	98
89) n-Butylbenzene	12.39	91	651901	43.95	ug/l	99
90) Hexachloroethane	12.60	117	127250	46.04	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	445972	45.53	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.00	75	62422	44.37	ug/l	97

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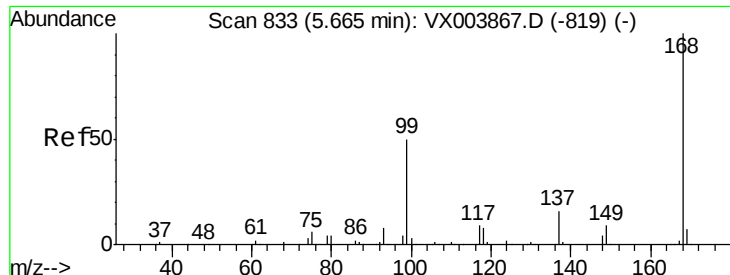
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	338767	48.09	ug/l	98
94) Hexachlorobutadiene	13.79	225	151526	48.76	ug/l	99
95) Naphthalene	13.83	128	1118687	55.44	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	362648	51.58	ug/l	100

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



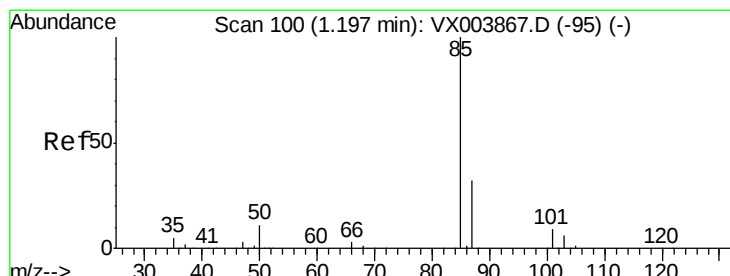
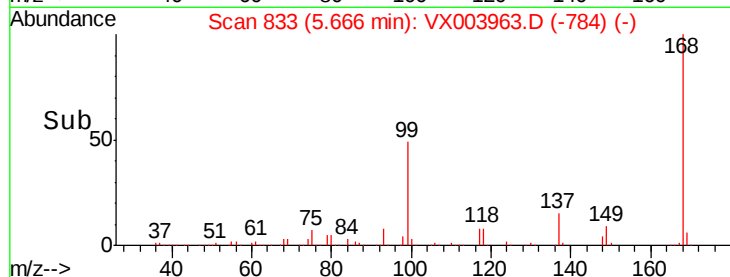
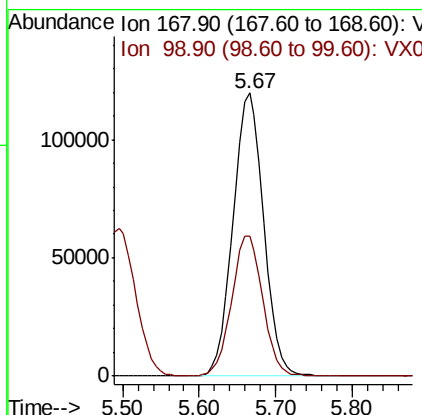
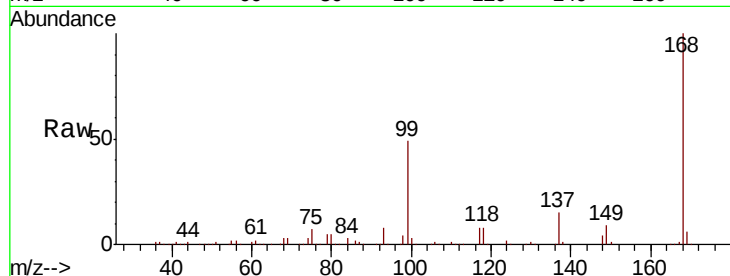
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.3	40.1	60.1

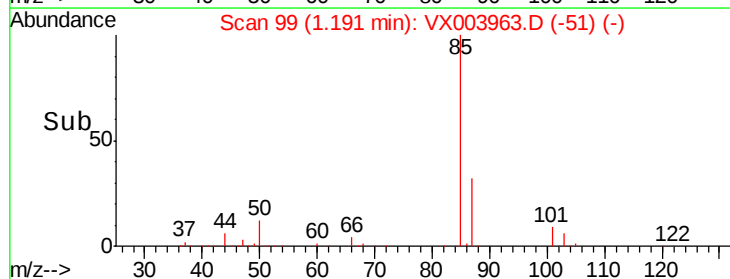
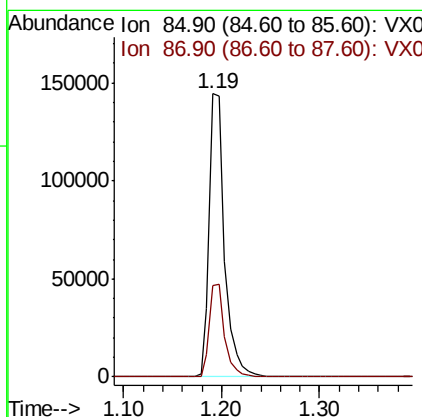
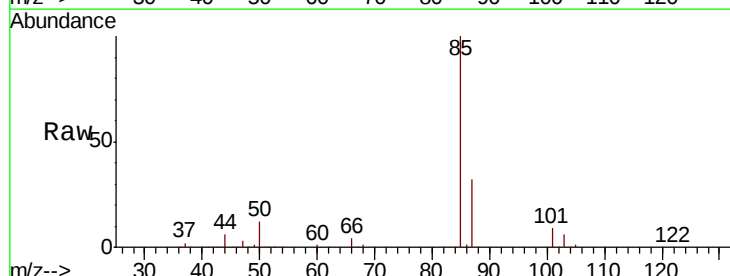
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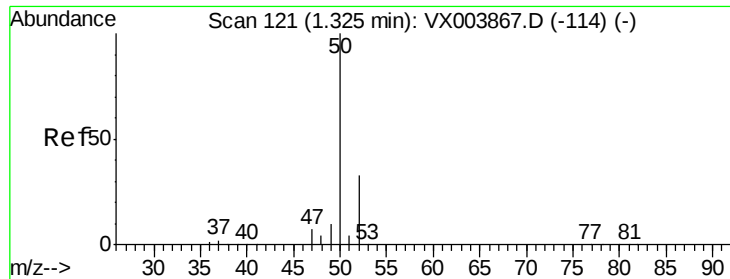
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#2
Dichlorodifluoromethane
Concen: 46.83 ug/l
RT: 1.19 min Scan# 99
Delta R.T. -0.01 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.0	48.0





#3

Chloromethane

Concen: 39.08 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 178960

Ion Ratio Lower Upper

50 100

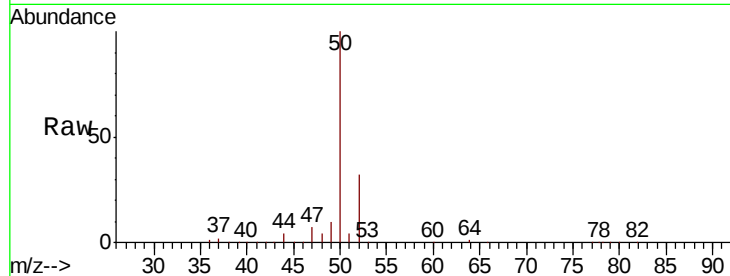
52 32.2 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

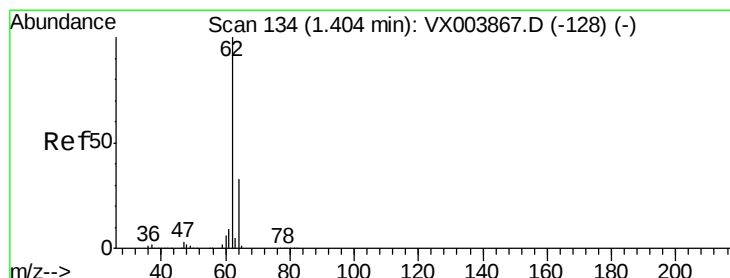
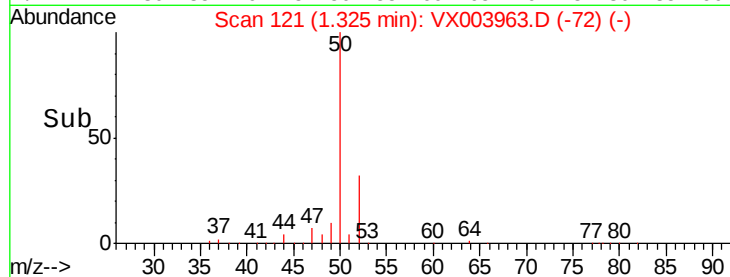
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 45.27 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003963.D

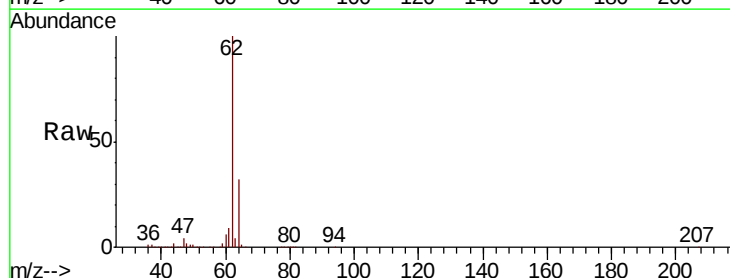
Acq: 09 Aug 2018 20:50

Tgt Ion: 62 Resp: 206725

Ion Ratio Lower Upper

62 100

64 31.6 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

250000

200000

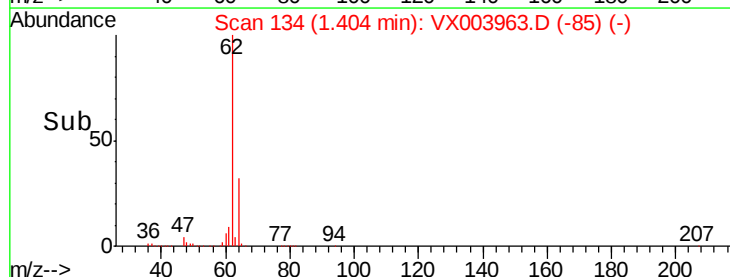
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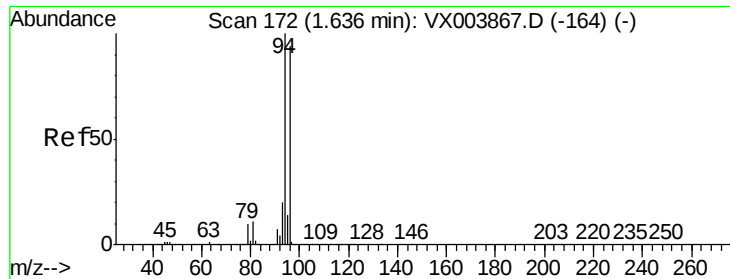
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50000

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Time-->





#5

Bromomethane

Concen: 38.19 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 93740

Ion Ratio Lower Upper

94 100

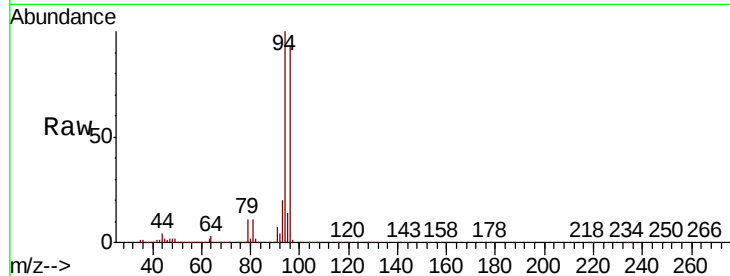
96 92.6 75.2 112.8

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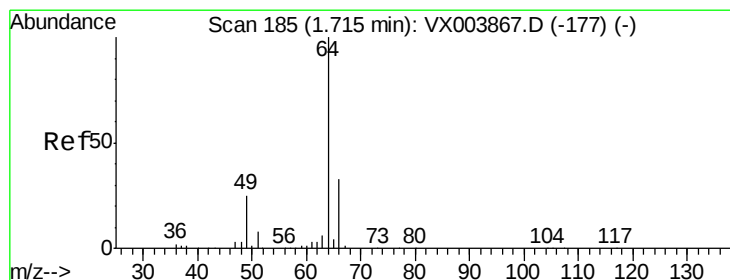
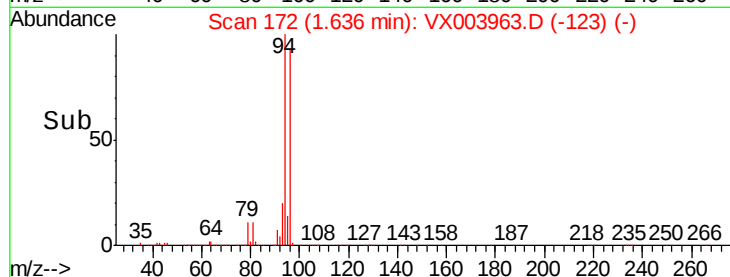
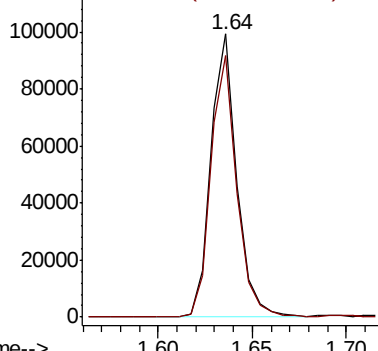
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 50.30 ug/l

RT: 1.72 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003963.D

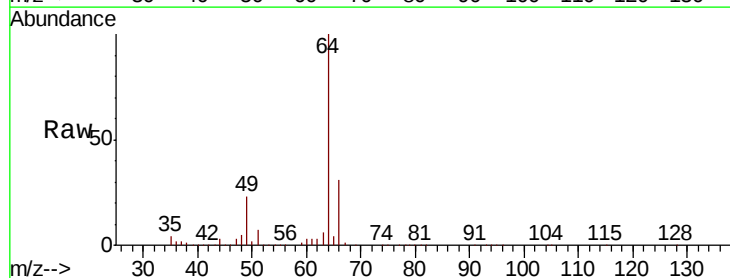
Acq: 09 Aug 2018 20:50

Tgt Ion: 64 Resp: 146958

Ion Ratio Lower Upper

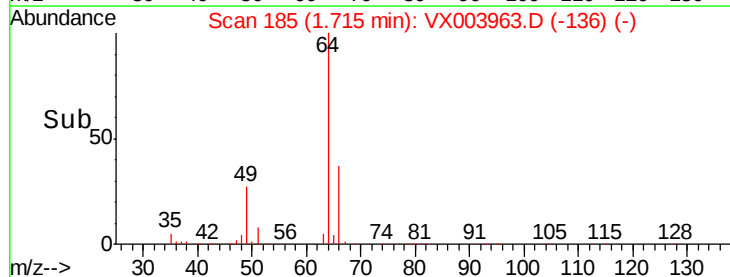
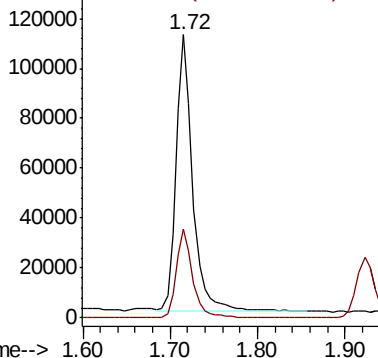
64 100

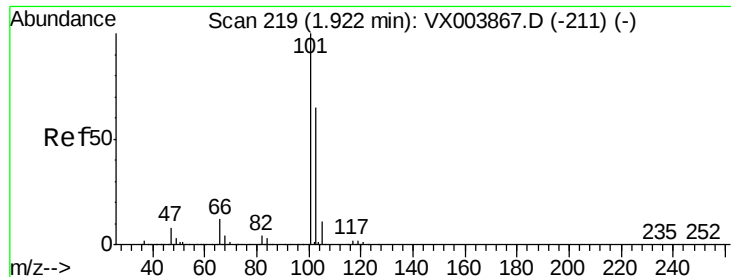
66 31.8 26.5 39.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

Trichlorofluoromethane

Concen: 47.24 ug/l

RT: 1.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:101 Resp: 284811

Ion Ratio Lower Upper

101 100

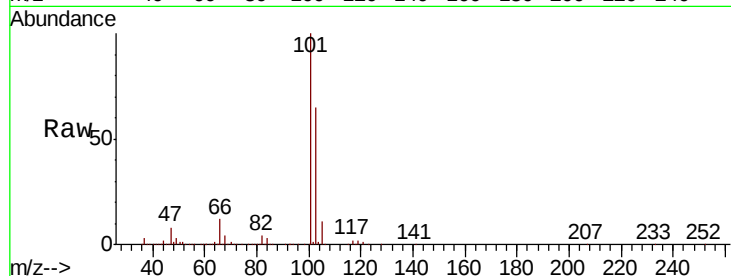
103 65.2 52.3 78.5

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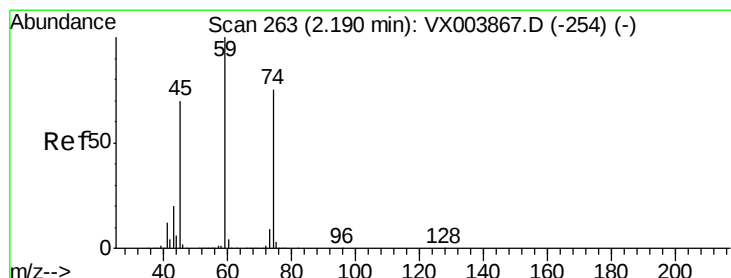
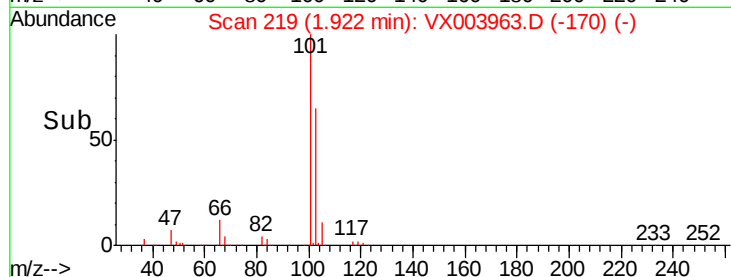
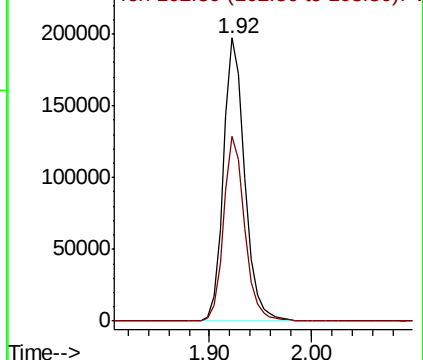
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 47.34 ug/l

RT: 2.19 min Scan# 263

Delta R.T. 0.00 min

Lab File: VX003963.D

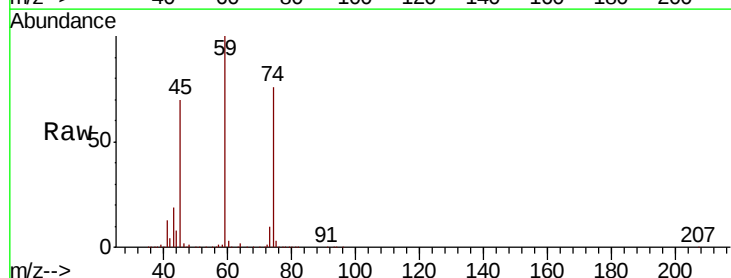
Acq: 09 Aug 2018 20:50

Tgt Ion: 74 Resp: 128299

Ion Ratio Lower Upper

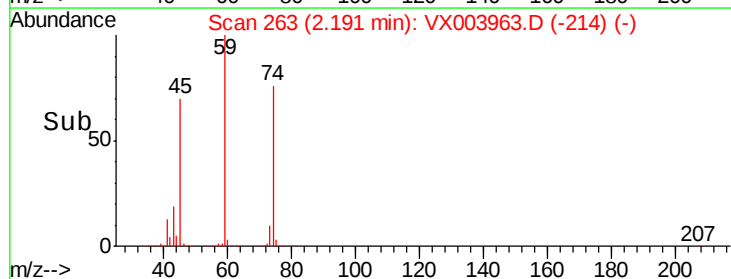
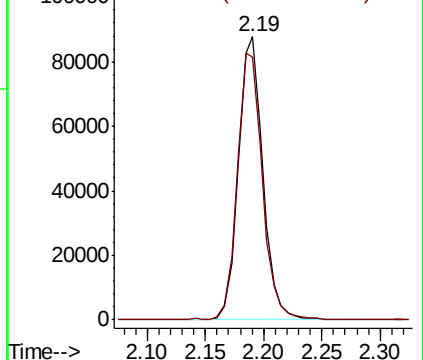
74 100

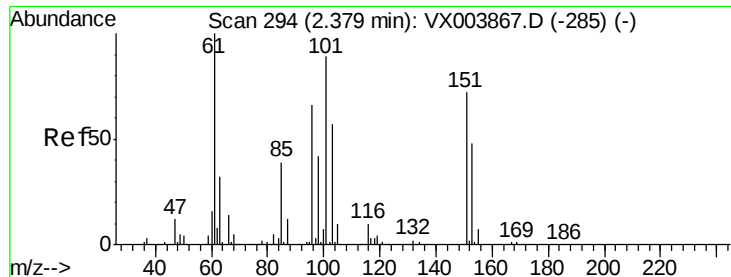
45 96.5 48.3 144.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.47 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

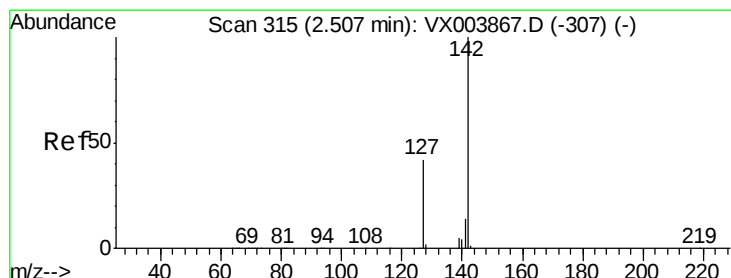
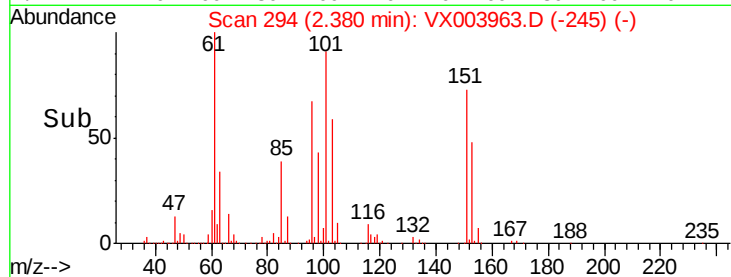
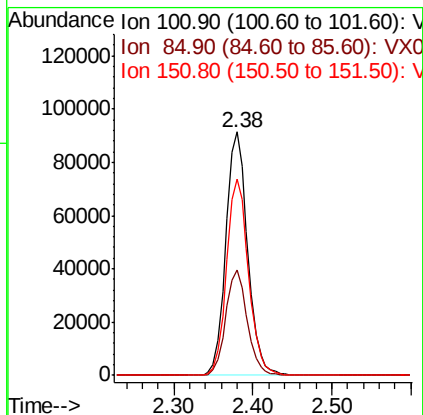
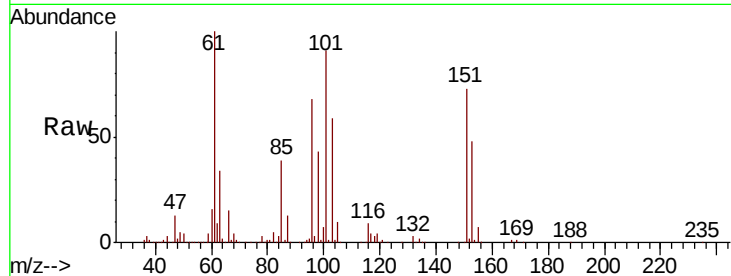
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	175128
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.2	51.4
151	81.2	65.0	97.4

Manual Integrations
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#10

Methyl Iodide

Concen: 28.62 ug/l

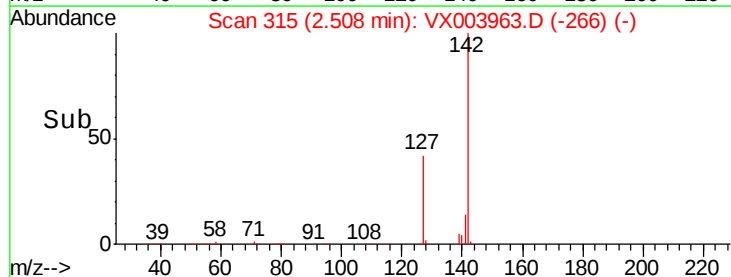
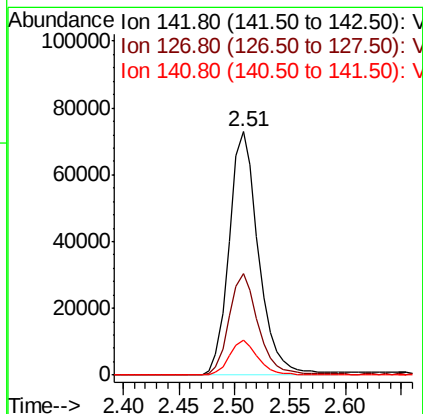
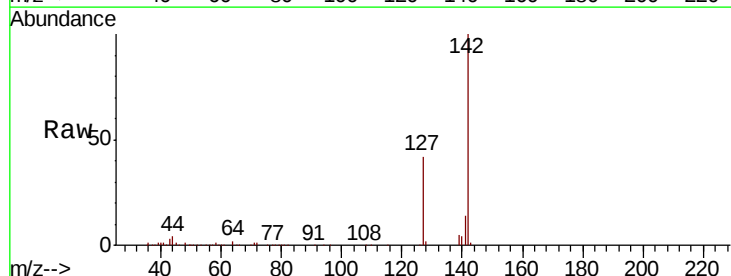
RT: 2.51 min Scan# 315

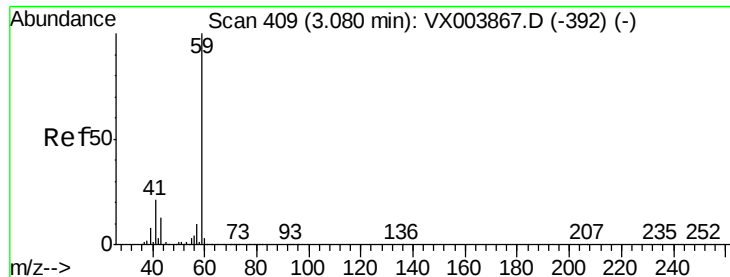
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	142	Resp:	134158
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.1	49.7
141	14.3	11.1	16.7





#11

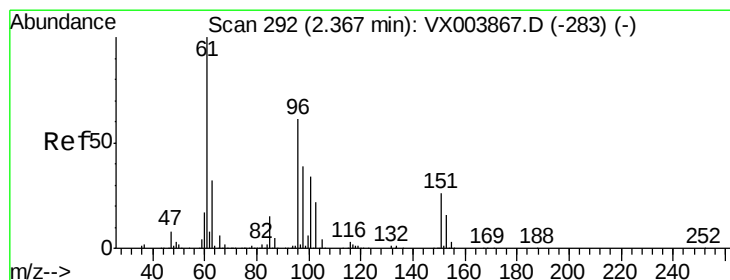
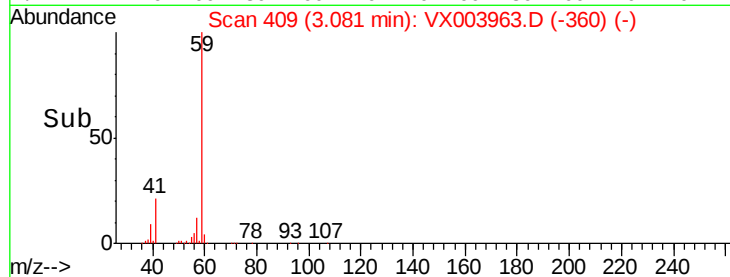
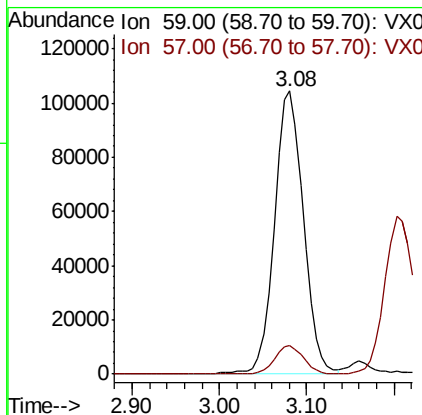
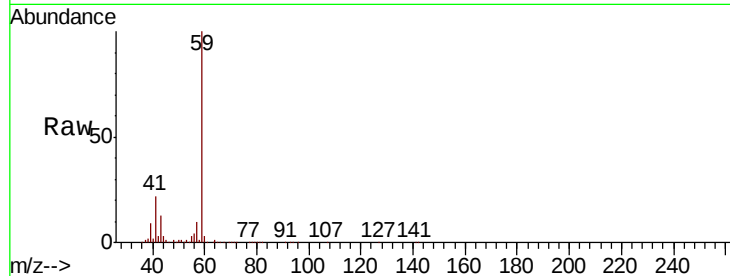
Tert butyl alcohol
 Concen: 227.77 ug/l
 RT: 3.08 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.1	12.1

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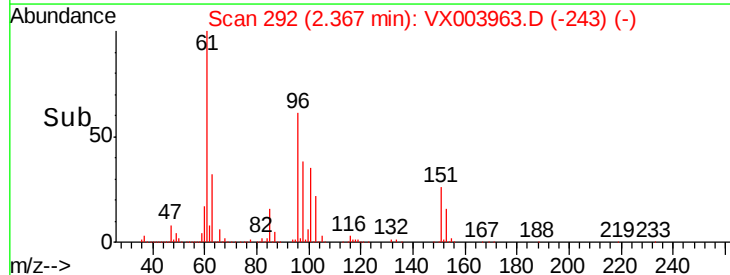
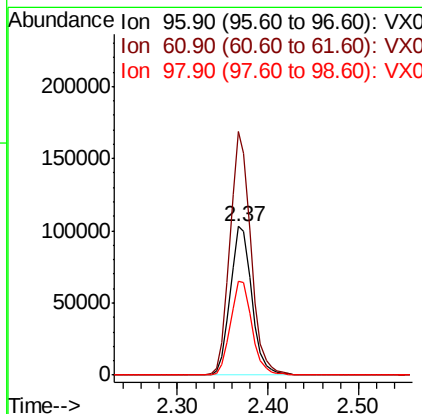
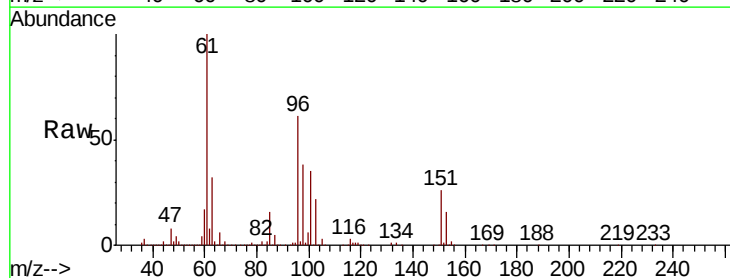
MMDadoda
 8/10/2018 10:56:44 AM

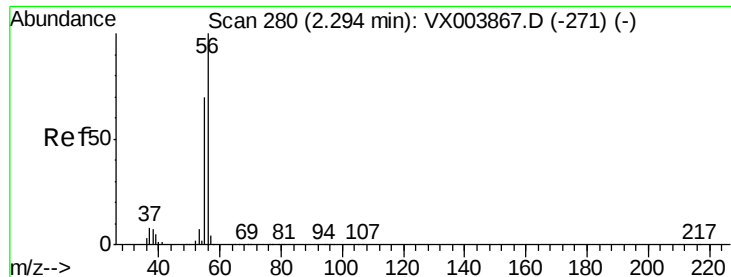


#12

1,1-Dichloroethene
 Concen: 47.31 ug/l
 RT: 2.37 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.0	131.3	196.9
98	63.1	51.8	77.6





#13

Acrolein

Concen: 183.09 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 100547

Ion Ratio Lower Upper

56 100

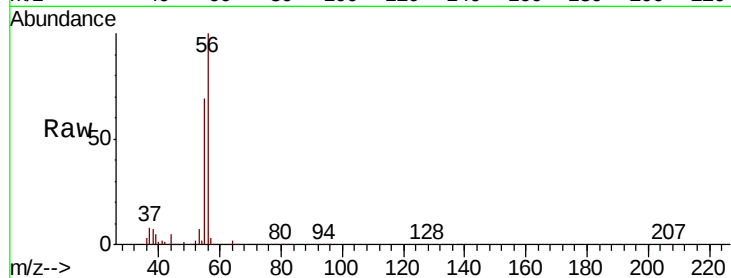
55 70.5 56.1 84.1

Manual Integrations

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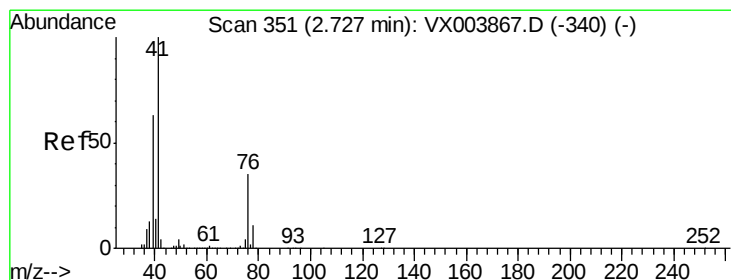
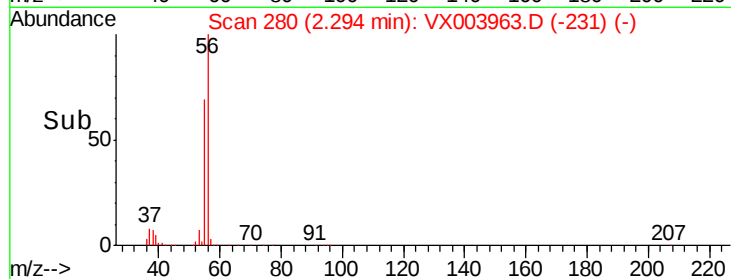
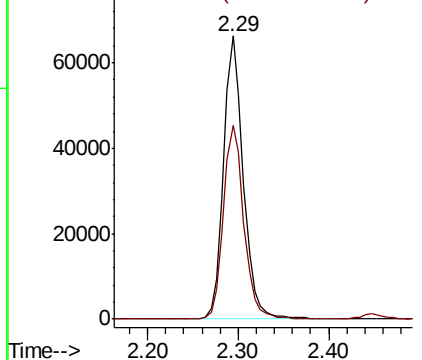
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 45.77 ug/l

RT: 2.72 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

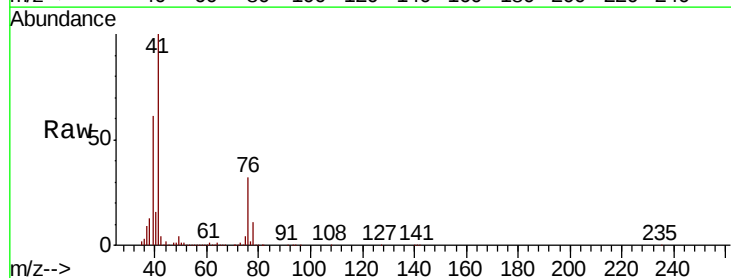
Tgt Ion: 41 Resp: 314486

Ion Ratio Lower Upper

41 100

39 59.9 47.4 71.0

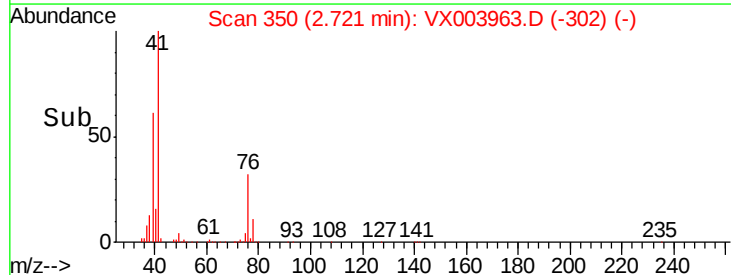
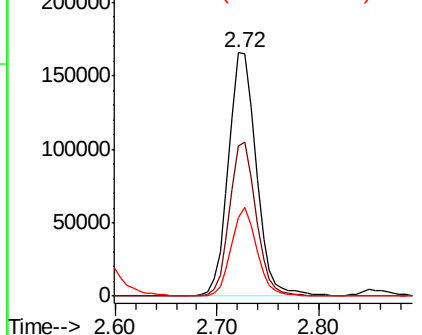
76 33.1 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 235.44 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

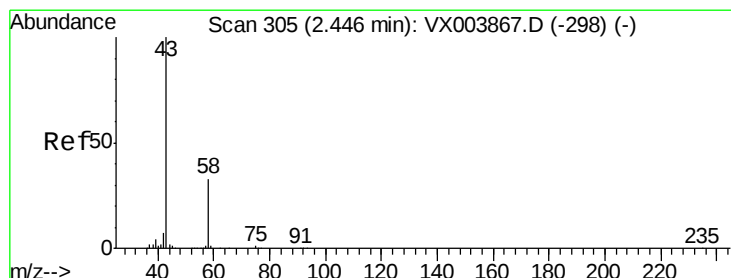
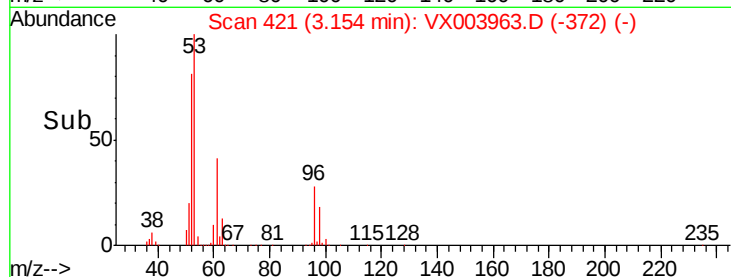
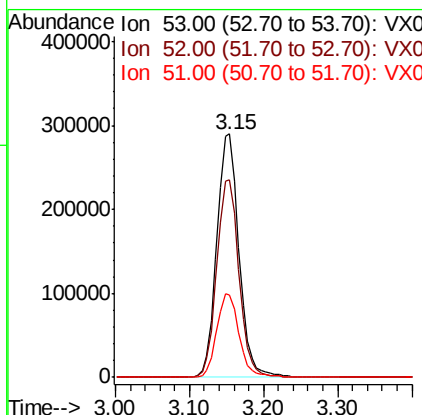
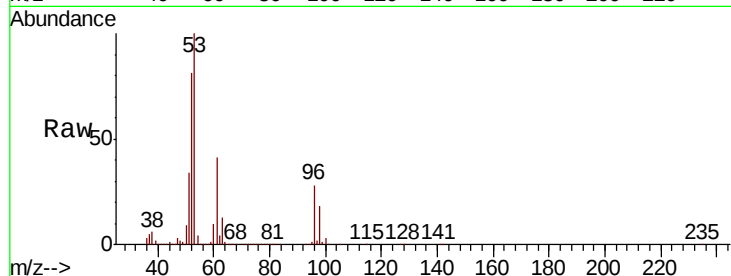
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	594338
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	35.0	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 224.03 ug/l

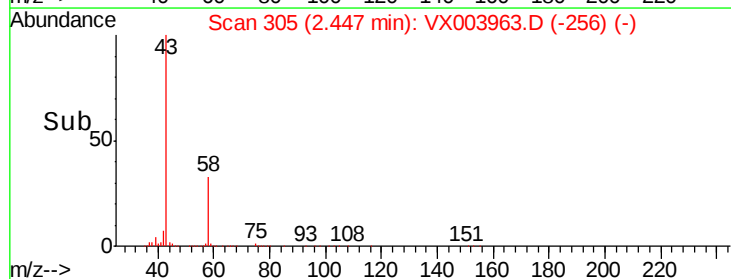
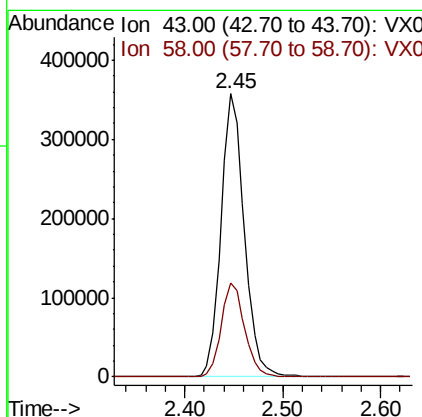
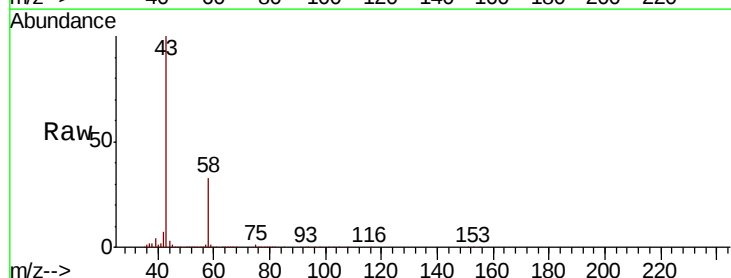
RT: 2.45 min Scan# 305

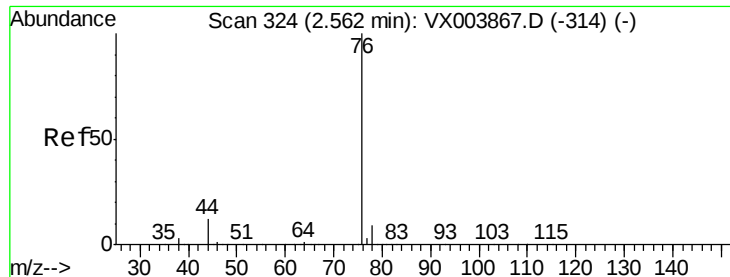
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	43	Resp:	586758
Ion	Ratio	Lower	Upper
43	100		
58	33.2	26.4	39.6





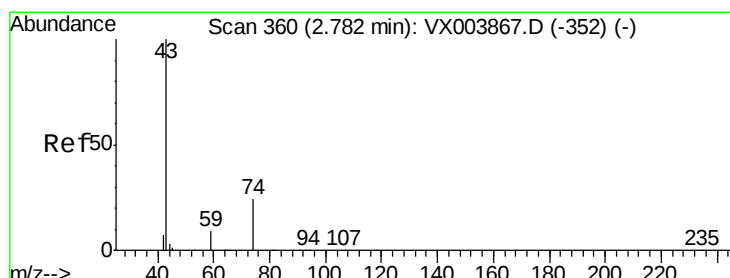
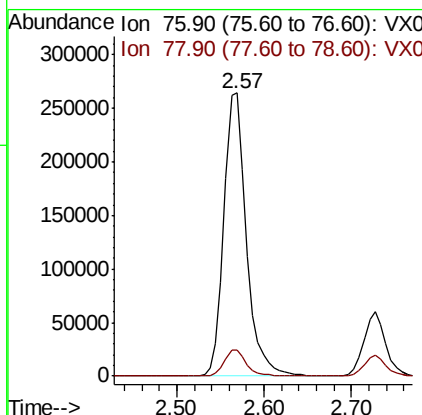
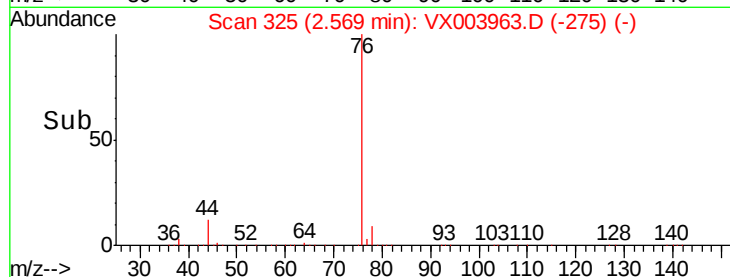
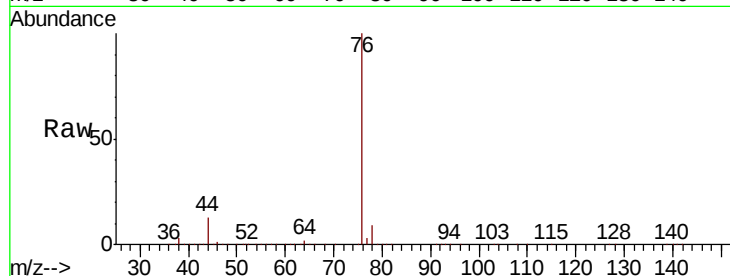
#17
Carbon Disulfide
Concen: 46.69 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.01 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

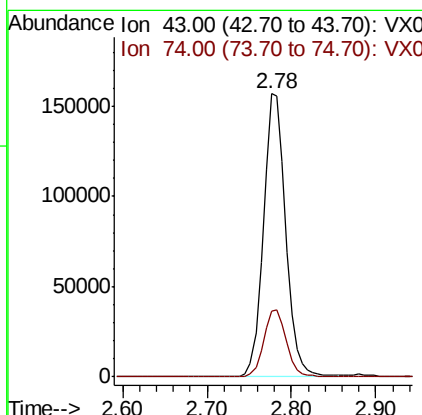
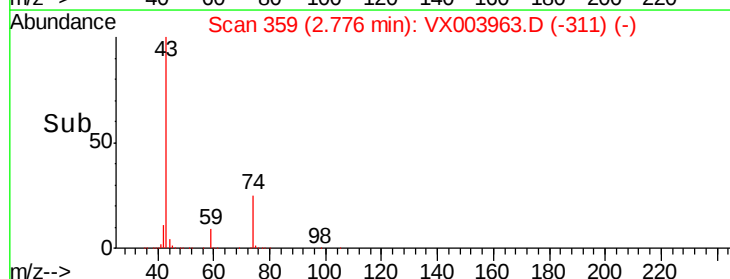
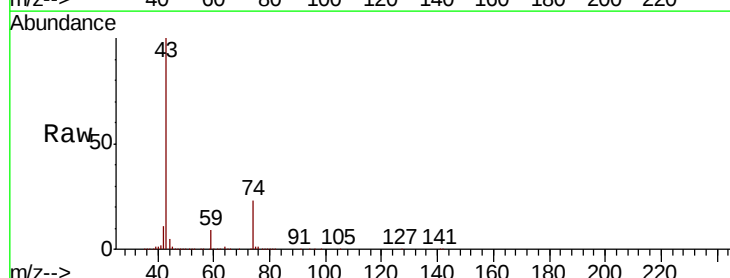
Manual Integrations
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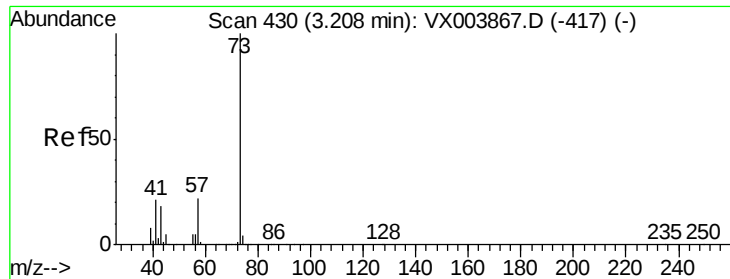
MMDadoda
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#18
Methyl Acetate
Concen: 49.97 ug/l
RT: 2.78 min Scan# 359
Delta R.T. -0.01 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	18.9	28.3





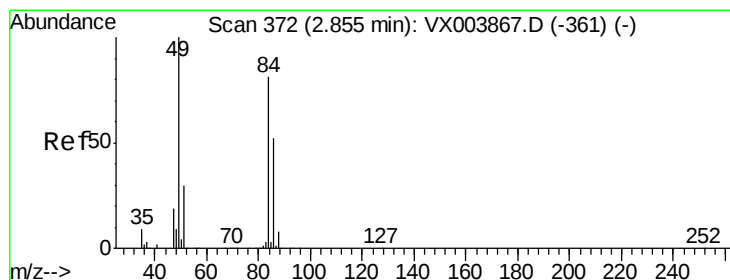
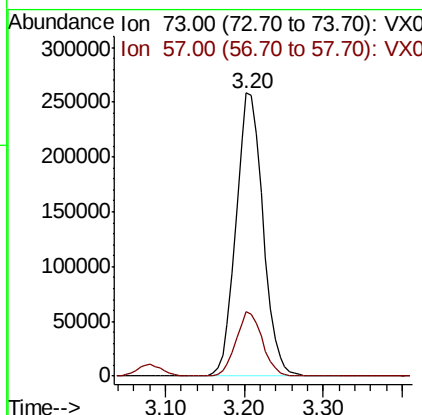
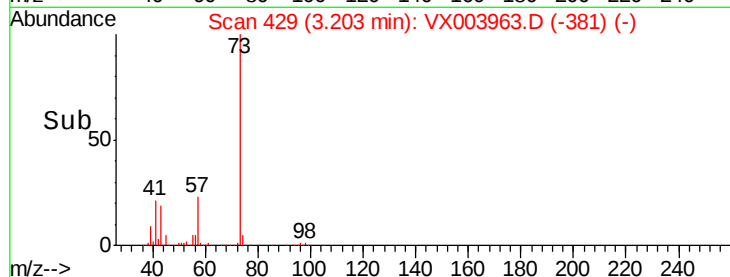
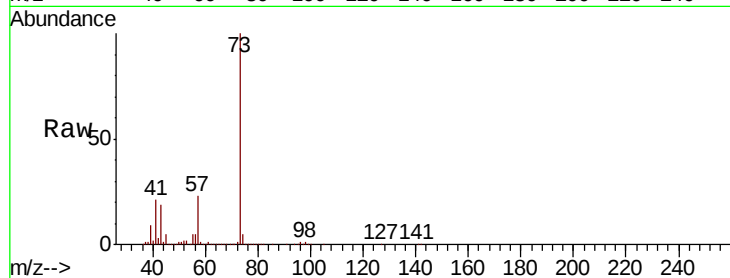
#19
Methyl tert-butyl Ether
Concen: 48.76 ug/l
RT: 3.20 min Scan# 429
Delta R.T. -0.01 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.0	27.0

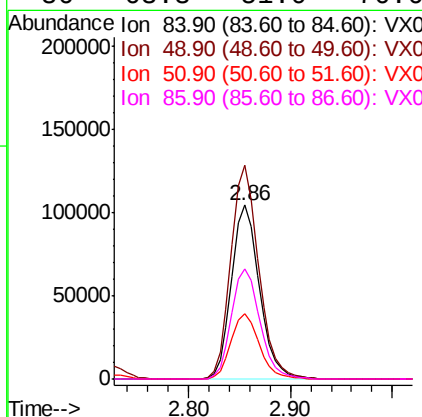
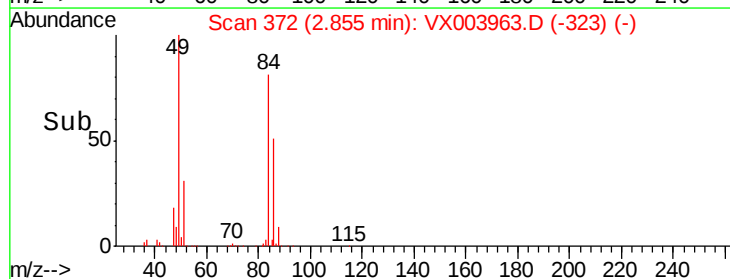
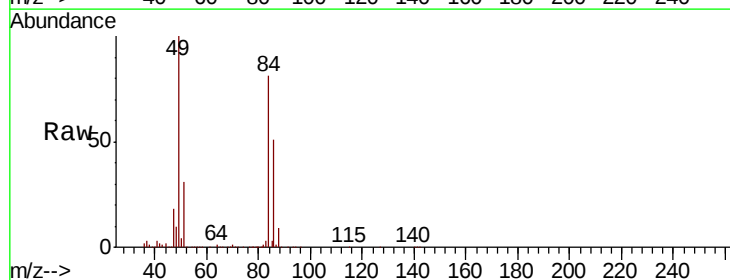
Manual Integrations
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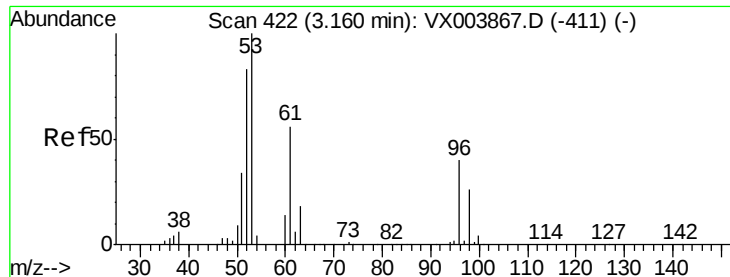
MMDadoda
8/10/2018 10:56:44 AM



#20
Methylene Chloride
Concen: 48.09 ug/l
RT: 2.86 min Scan# 372
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.0	98.9	148.3
51	37.8	29.9	44.9
86	63.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 45.87 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

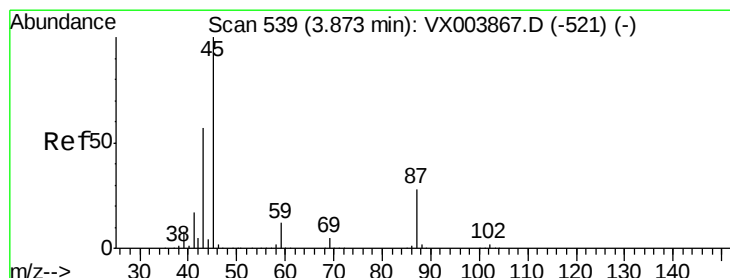
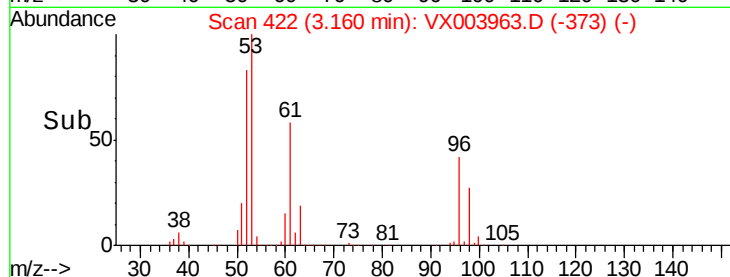
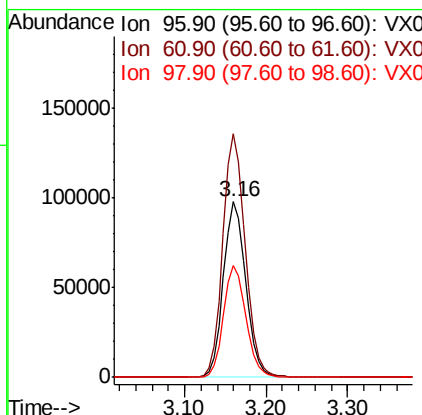
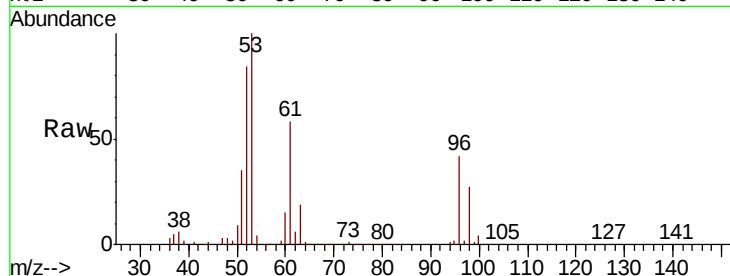
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	185638
Ion	Ratio	Lower	Upper
96	100		
61	138.6	111.8	167.6
98	63.5	51.8	77.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.31 ug/l

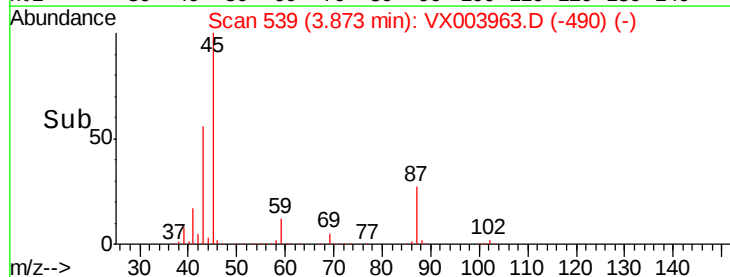
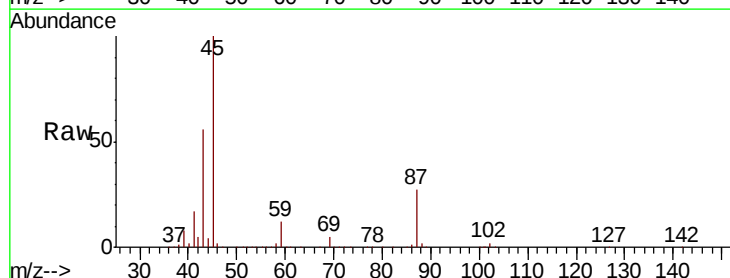
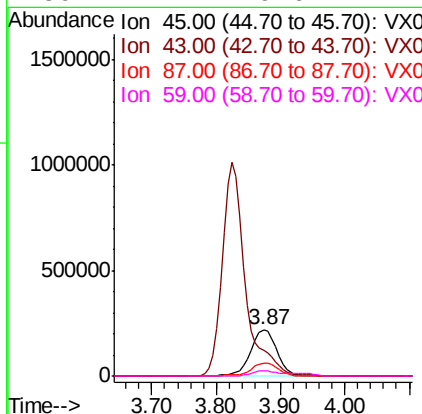
RT: 3.87 min Scan# 539

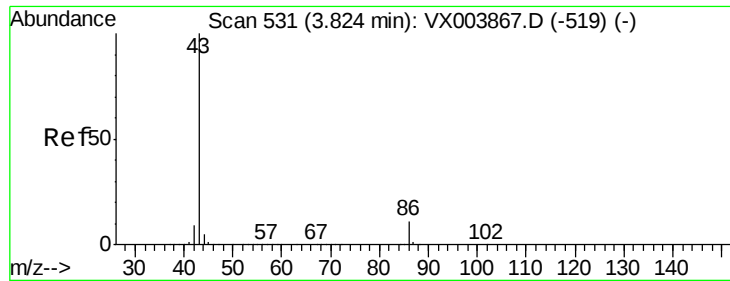
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	45	Resp:	610197
Ion	Ratio	Lower	Upper
45	100		
43	56.0	45.3	67.9
87	27.4	22.7	34.1
59	11.7	9.6	14.4





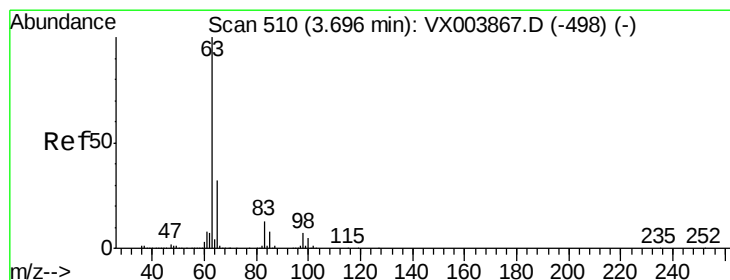
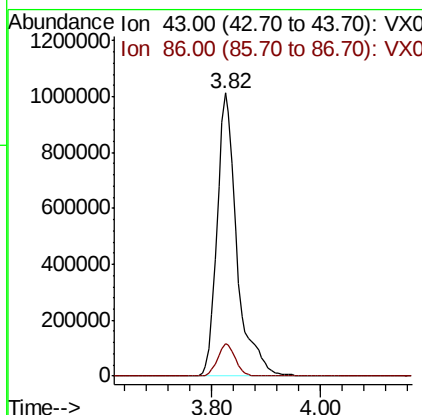
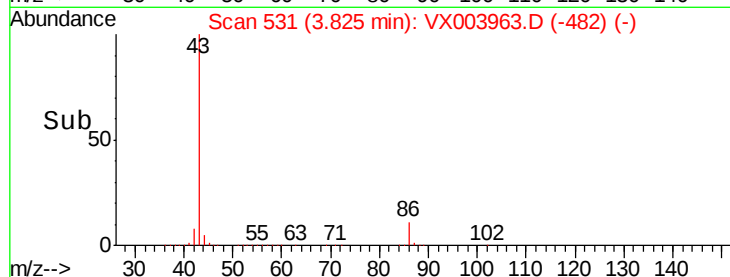
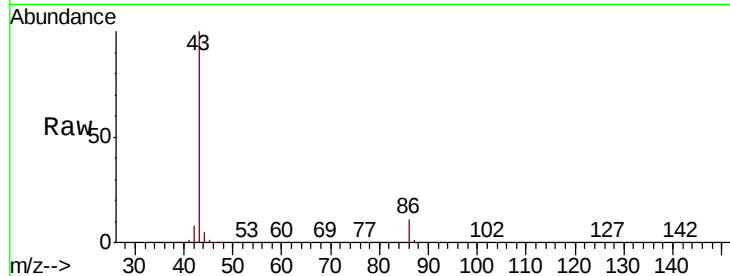
#23
 Vinyl Acetate
 Concen: 243.74 ug/l
 RT: 3.82 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2561624
 Ion Ratio Lower Upper
 43 100
 86 11.4 8.9 13.3

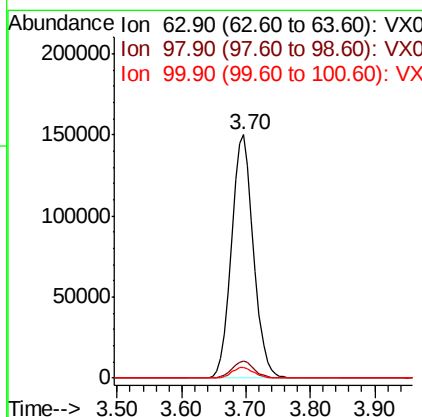
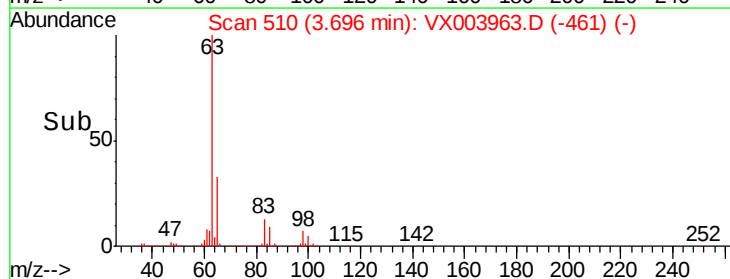
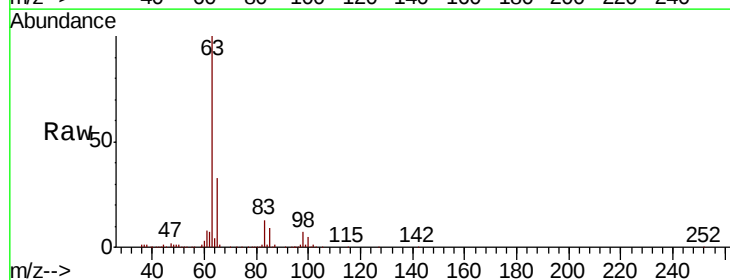
Manual Integrations
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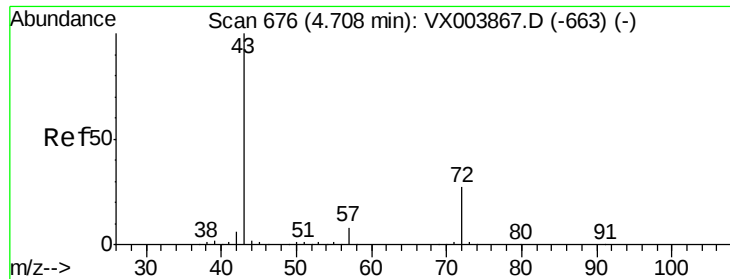
MMDadoda
 8/10/2018 10:56:44 AM



#24
 1,1-Dichloroethane
 Concen: 47.69 ug/l
 RT: 3.70 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion: 63 Resp: 357854
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.5
 100 4.5 2.3 6.8





#25

2-Butanone

Concen: 241.92 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 952666

Ion Ratio Lower Upper

43 100

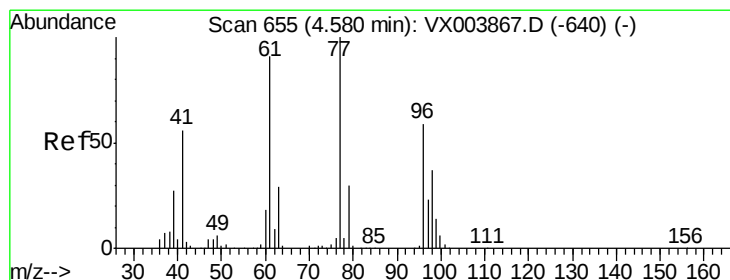
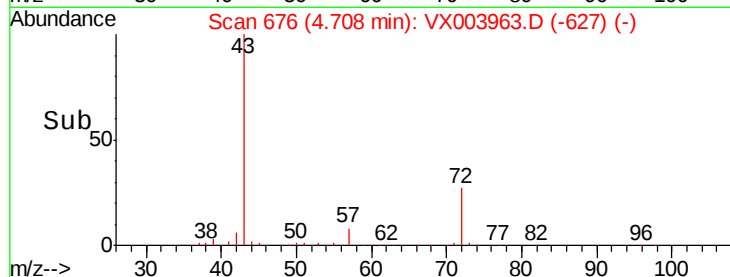
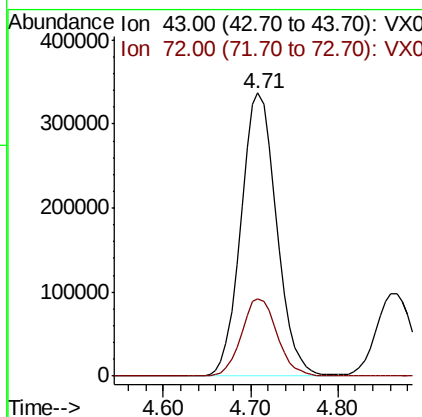
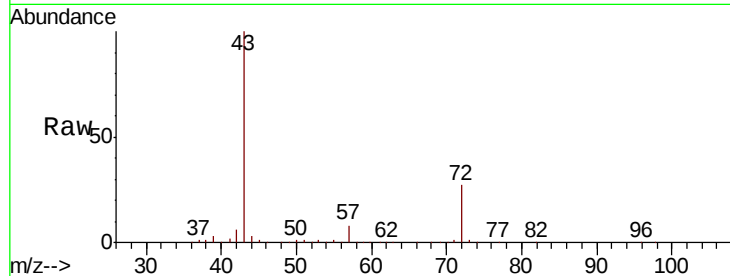
72 27.4 21.4 32.0

Manual Integrations

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MMDadoda

8/10/2018 10:56:44 AM



#26

2,2-Dichloropropane

Concen: 36.07 ug/l

RT: 4.58 min Scan# 655

Delta R.T. 0.00 min

Lab File: VX003963.D

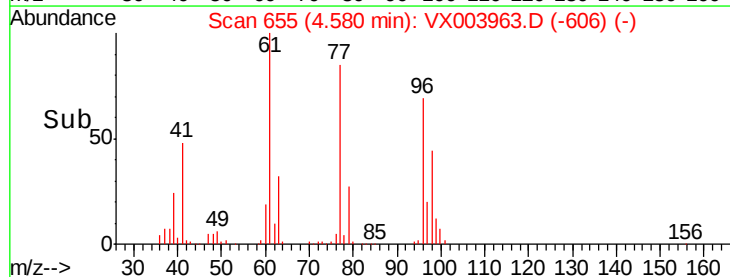
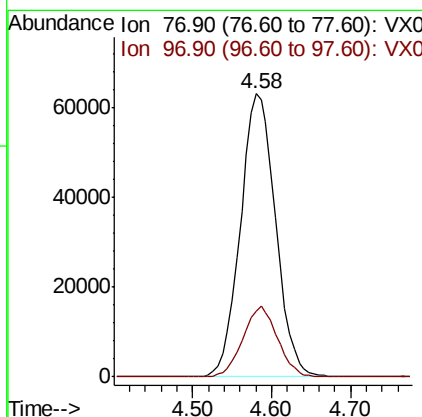
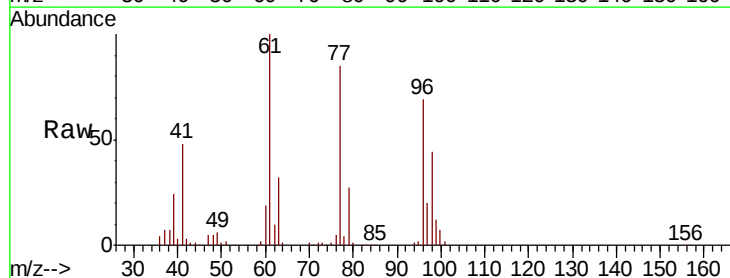
Acq: 09 Aug 2018 20:50

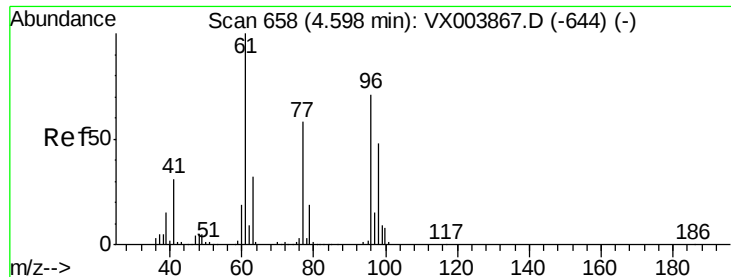
Tgt Ion: 77 Resp: 195180

Ion Ratio Lower Upper

77 100

97 24.5 11.9 35.9





#27

cis-1,2-Dichloroethene

Concen: 49.27 ug/l

RT: 4.60 min Scan# 658

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

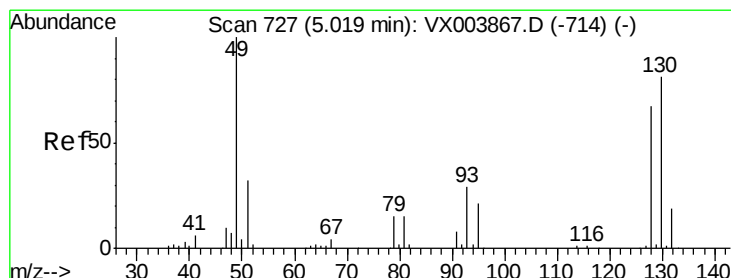
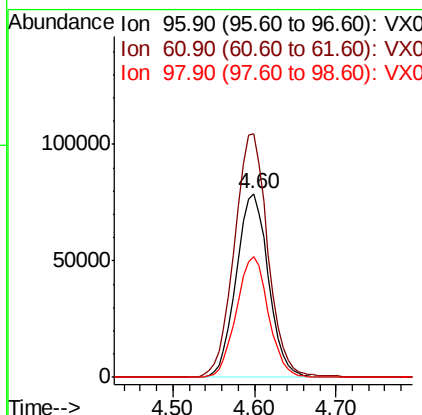
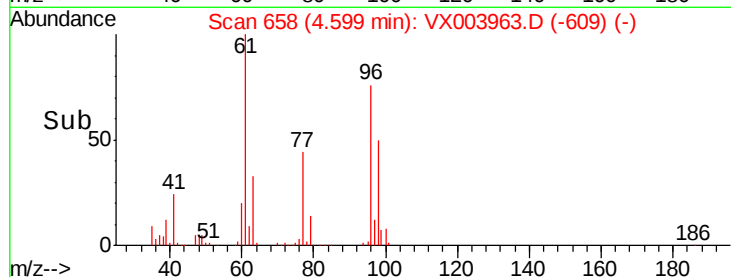
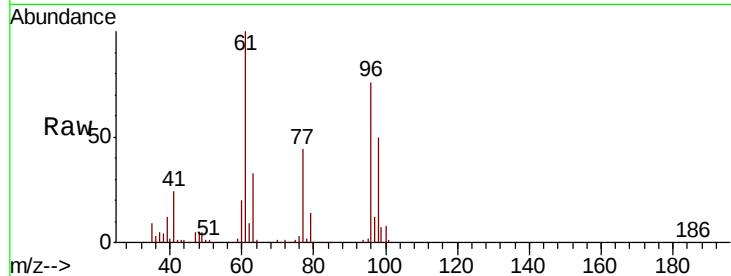
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	216358
Ion Ratio	Lower	Upper	
96	100		
61	138.3	0.0	293.0
98	65.4	0.0	131.8

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#28

Bromochloromethane

Concen: 49.15 ug/l

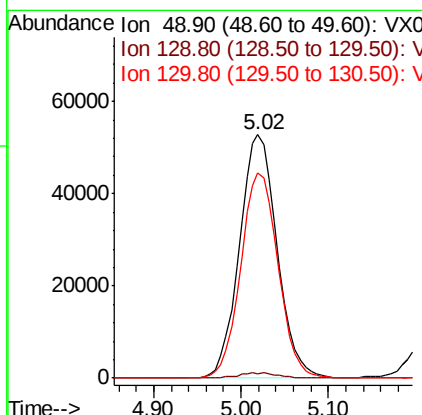
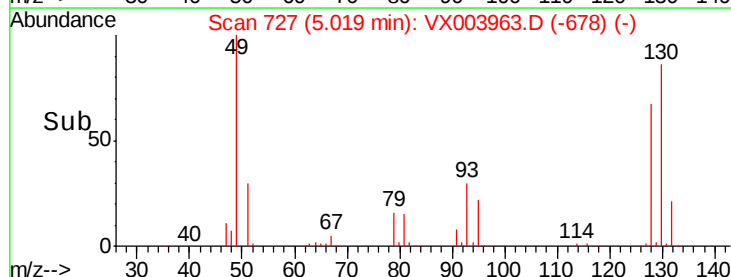
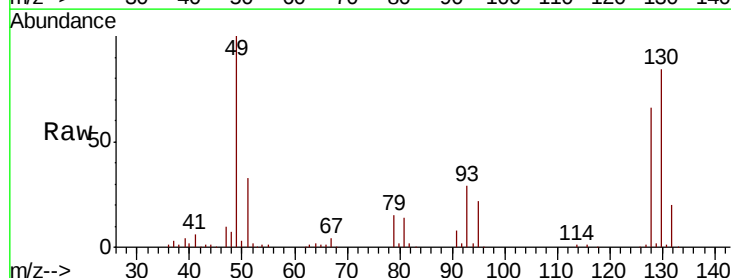
RT: 5.02 min Scan# 727

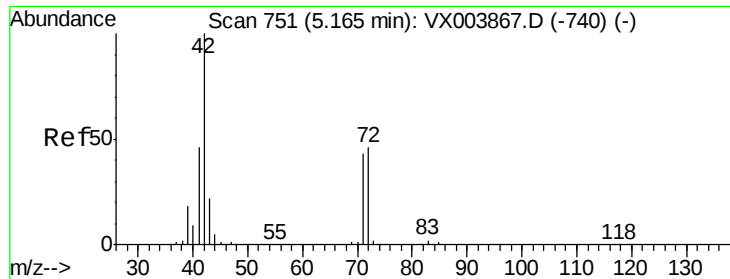
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	49	Resp:	157813
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.2
130	83.8	66.5	99.7





#29

Tetrahydrofuran

Concen: 241.41 ug/l

RT: 5.17 min Scan# 751

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

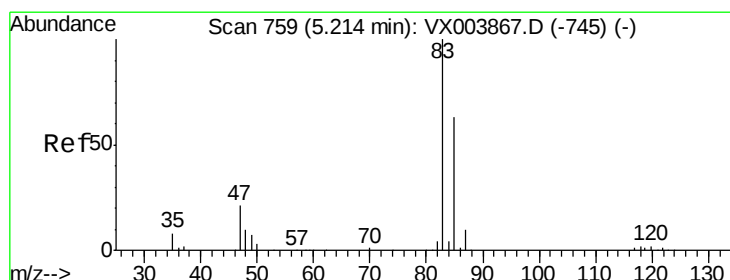
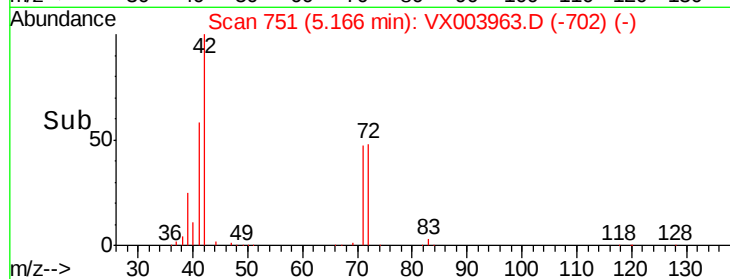
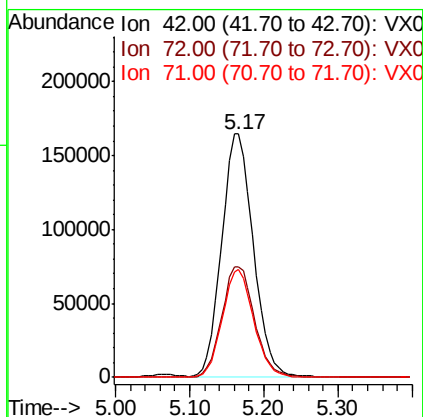
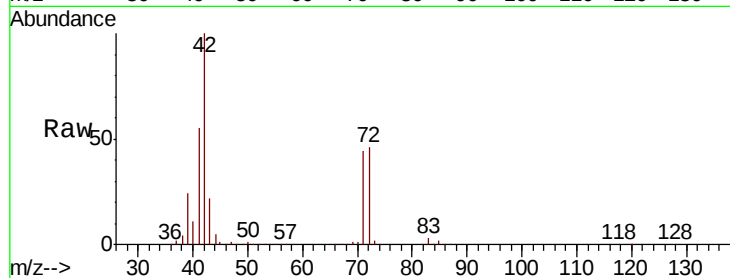
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	488623
Ion Ratio		Lower	Upper
42	100		
72	47.0	37.7	56.5
71	43.7	35.0	52.6

Manual Integrations
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#30

Chloroform

Concen: 48.99 ug/l

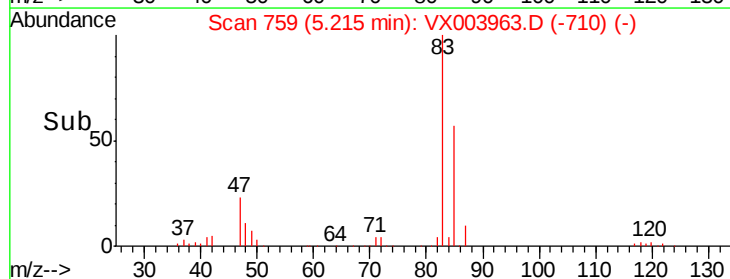
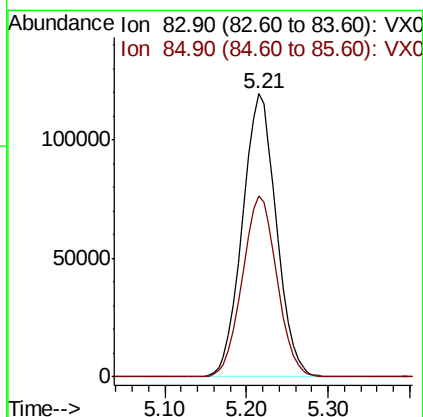
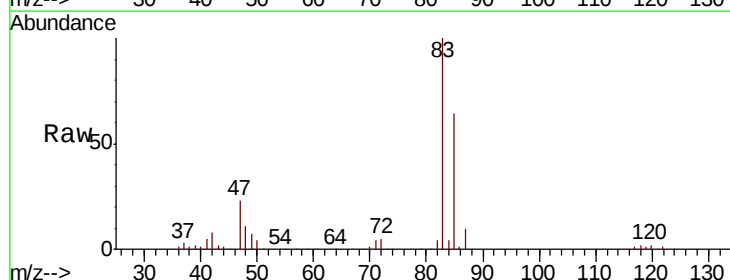
RT: 5.21 min Scan# 759

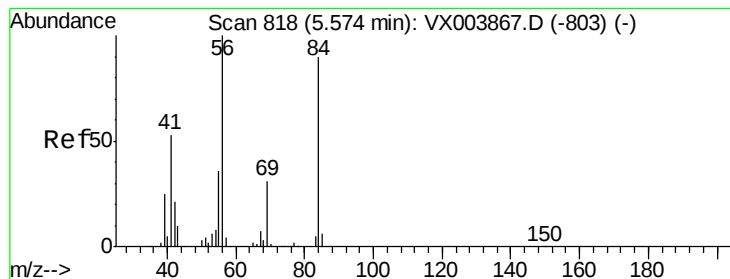
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	83	Resp:	346042
Ion Ratio		Lower	Upper
83	100		
85	64.1	50.7	76.1





#31

Cyclohexane

Concen: 47.49 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

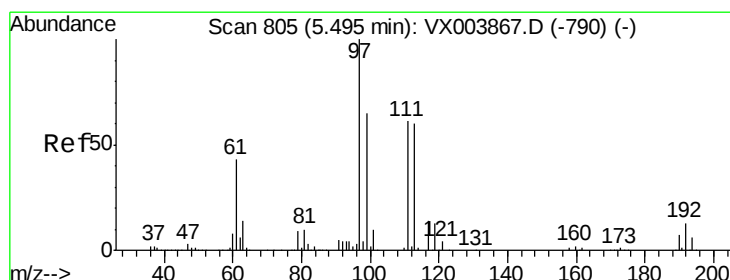
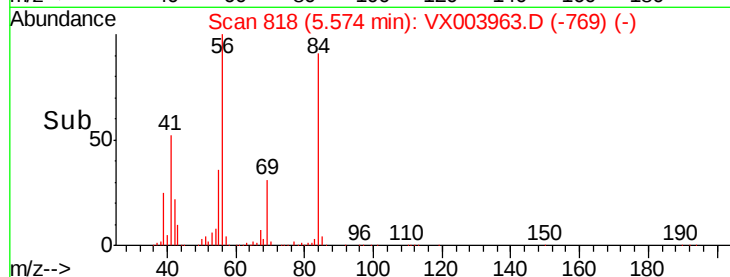
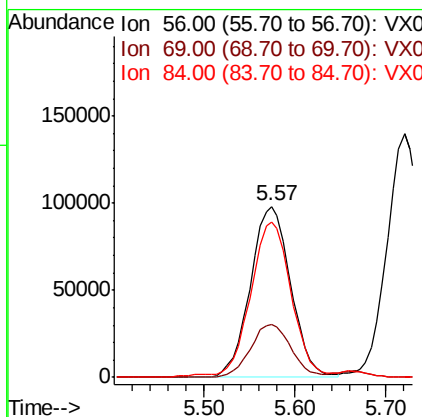
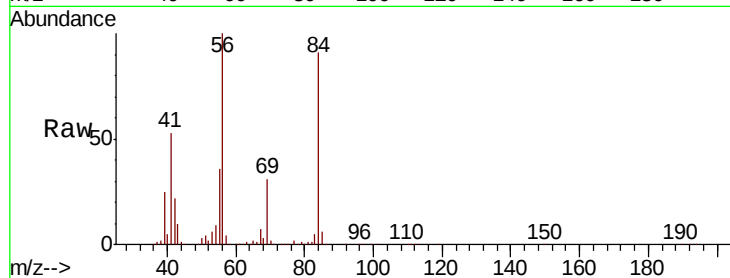
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	301323
Ion	Ratio	Lower	Upper
56	100		
69	31.3	24.9	37.3
84	89.8	71.7	107.5

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#32

1,1,1-Trichloroethane

Concen: 49.75 ug/l

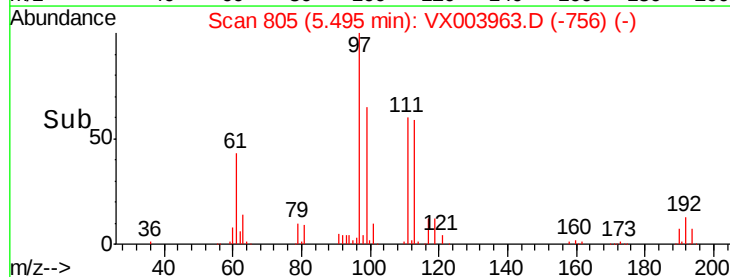
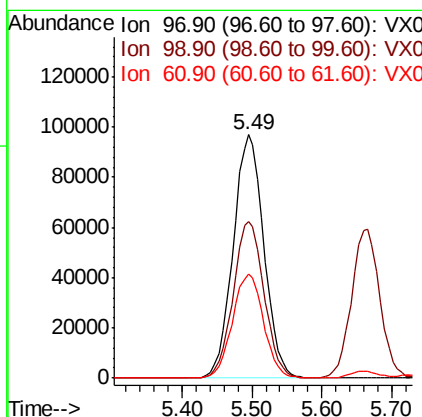
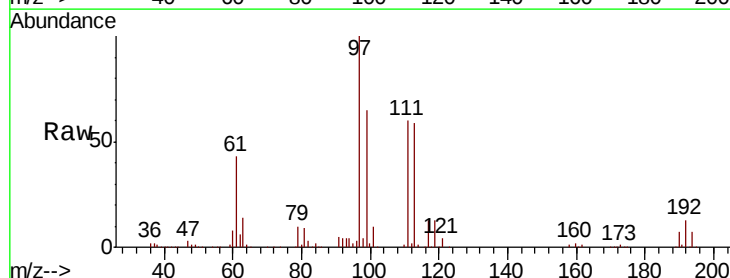
RT: 5.49 min Scan# 805

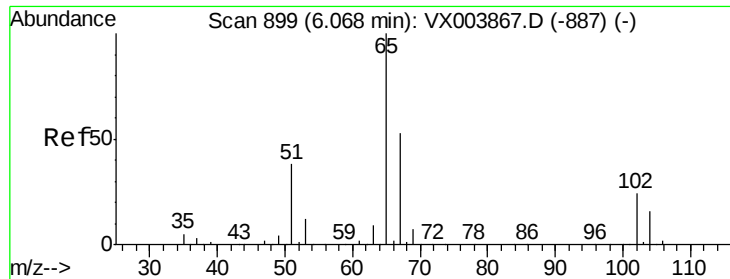
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	97	Resp:	294716
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	43.5	34.4	51.6





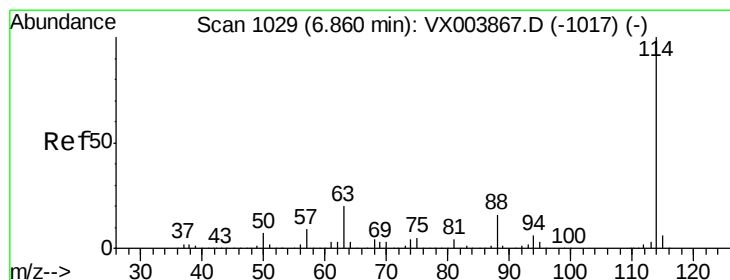
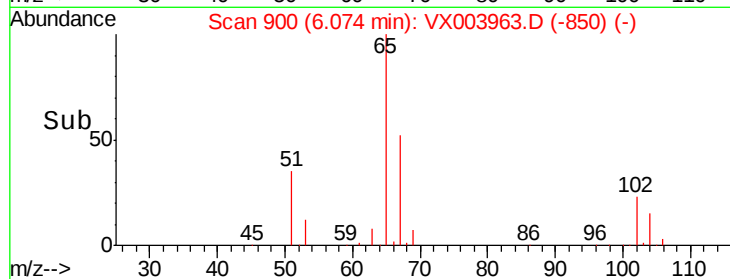
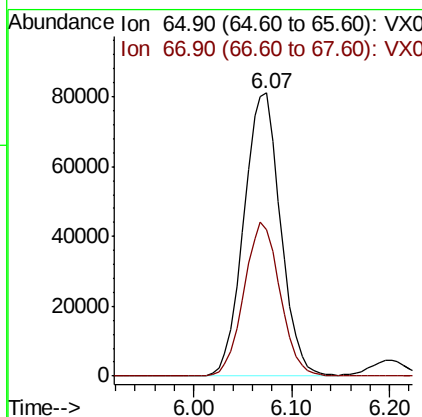
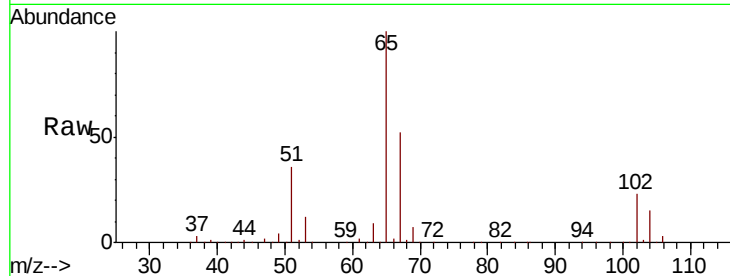
#33
 1,2-Dichloroethane-d4
 Concen: 48.16 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 212009
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 105.8

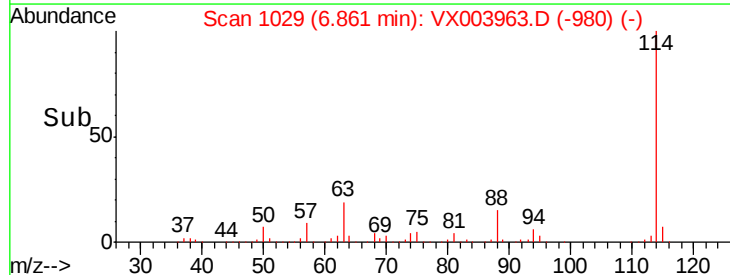
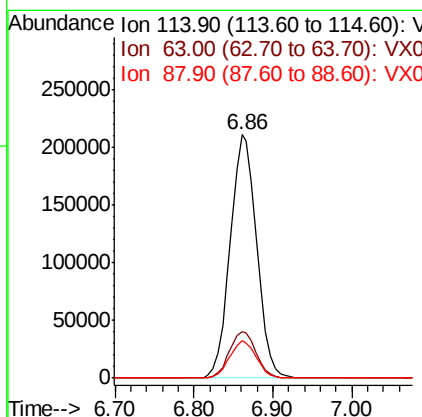
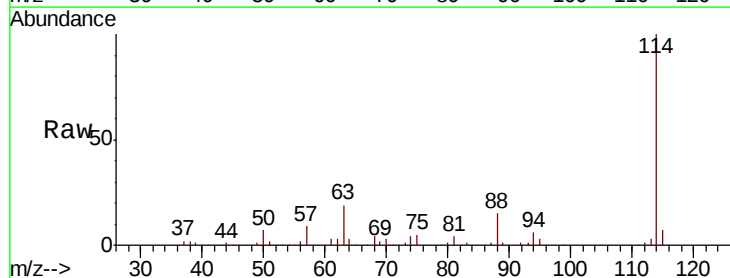
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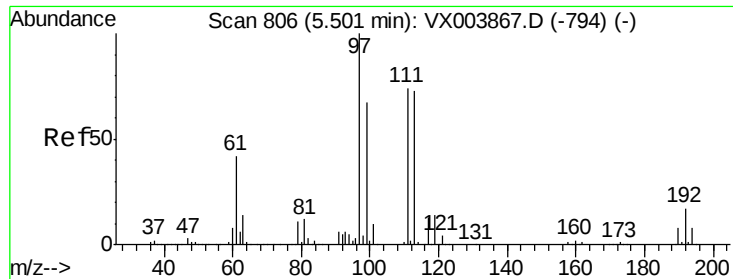
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion: 114 Resp: 492698
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 39.0
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.12 ug/l

RT: 5.50 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

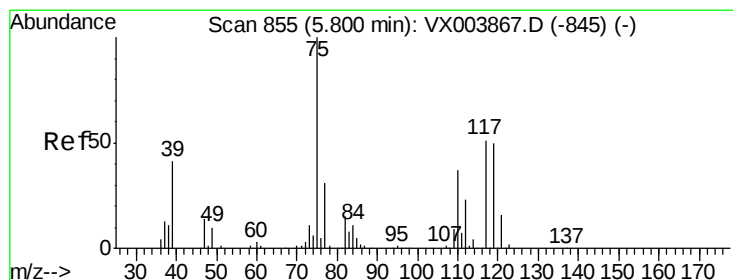
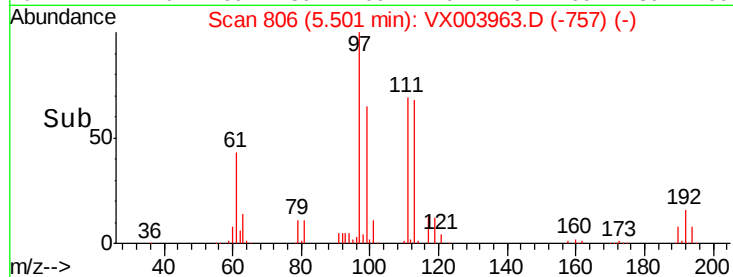
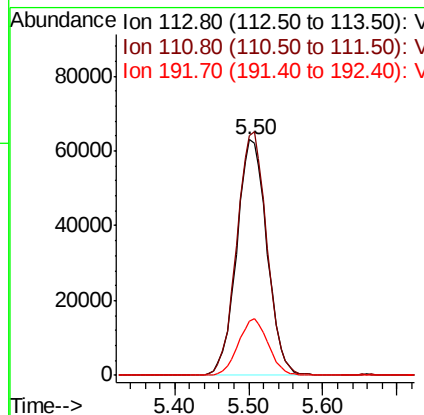
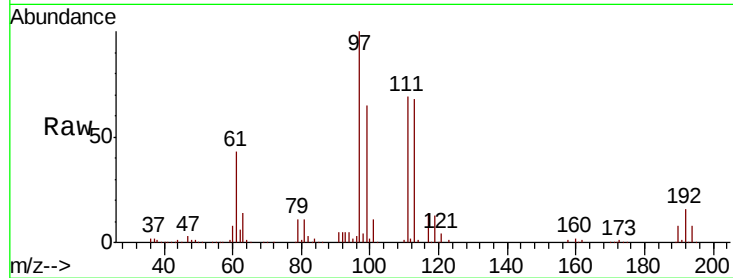
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	179623
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.0	123.0
192	23.8	19.0	28.4

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#36

1,1-Dichloropropene

Concen: 47.20 ug/l

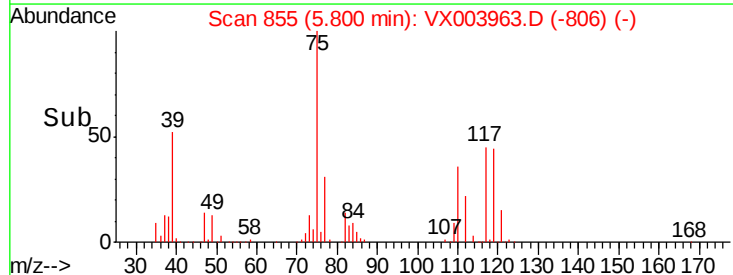
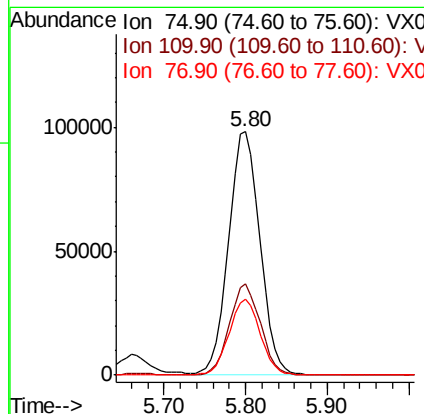
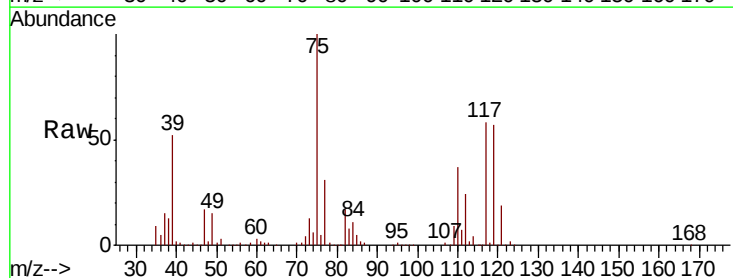
RT: 5.80 min Scan# 855

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	75	Resp:	260476
Ion	Ratio	Lower	Upper
75	100		
110	36.9	18.2	54.6
77	31.3	25.0	37.4





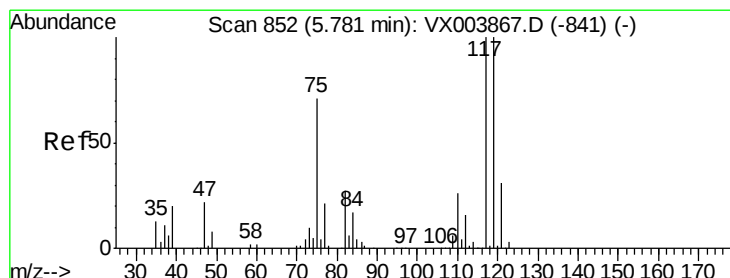
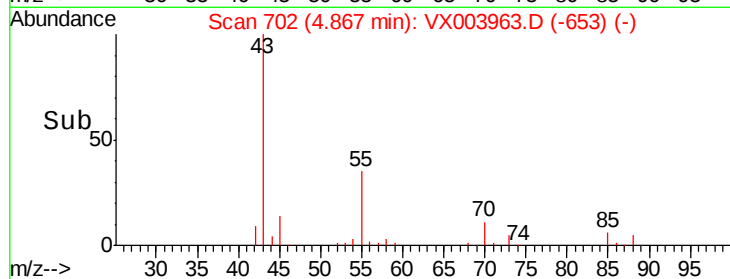
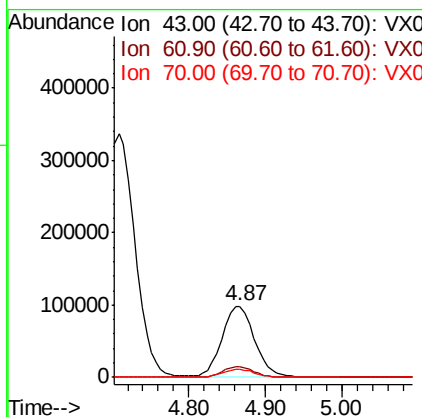
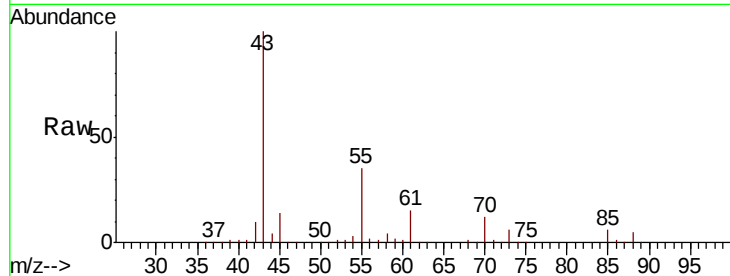
#37
Ethyl Acetate
Concen: 47.80 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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

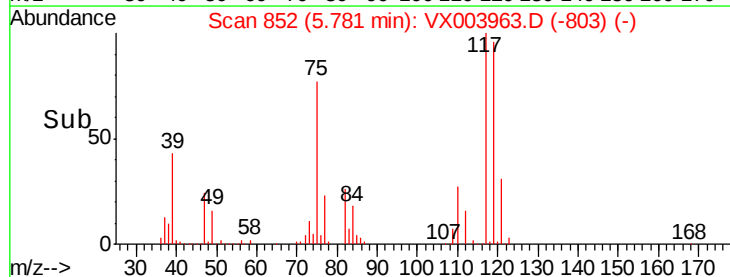
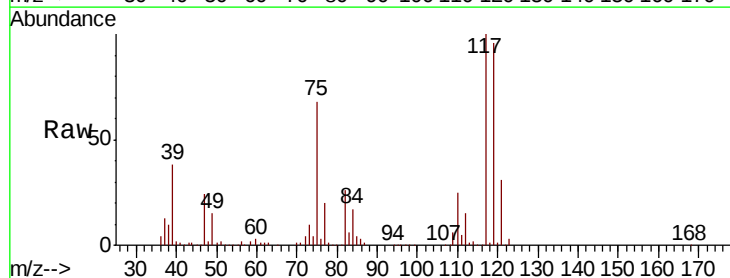
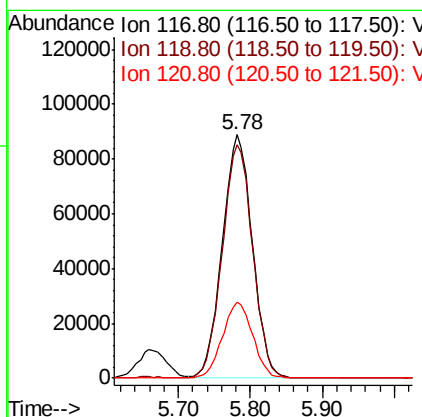
Manual Integrations
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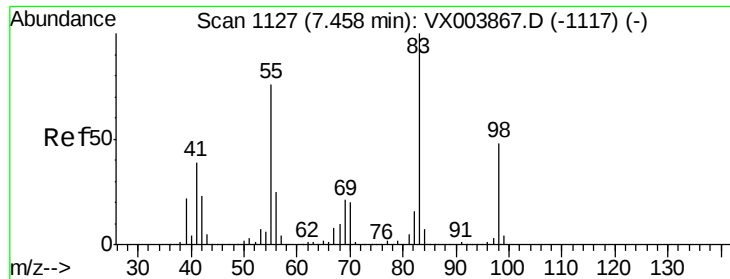
MMDadoda
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#38
Carbon Tetrachloride
Concen: 49.16 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	79.5	119.3
121	31.3	25.0	37.4





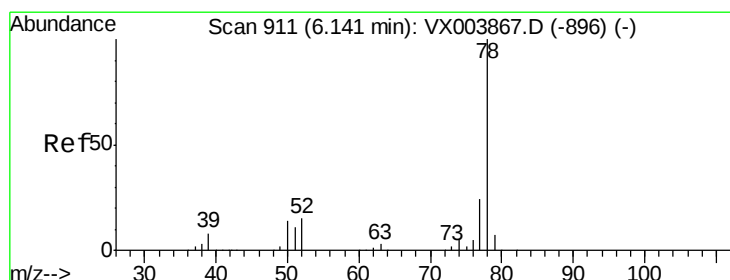
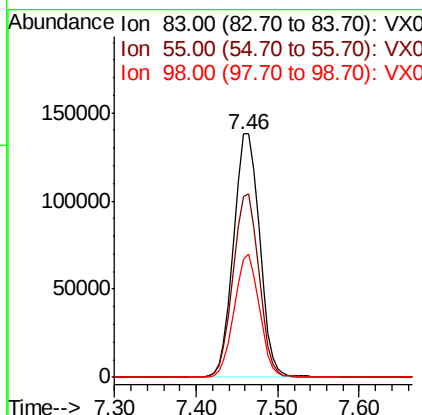
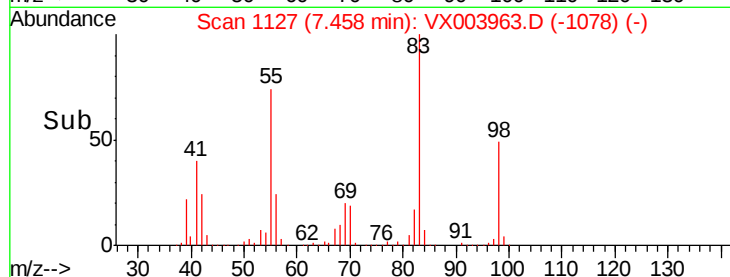
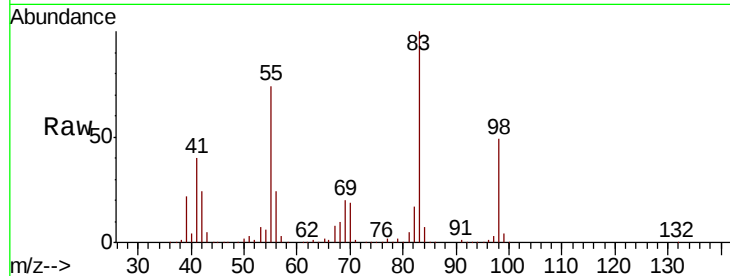
#39
Methvlcvclohexane
Concen: 46.93 ug/l
RT: 7.46 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.4	61.0	91.6	
98	48.7	38.6	57.8	

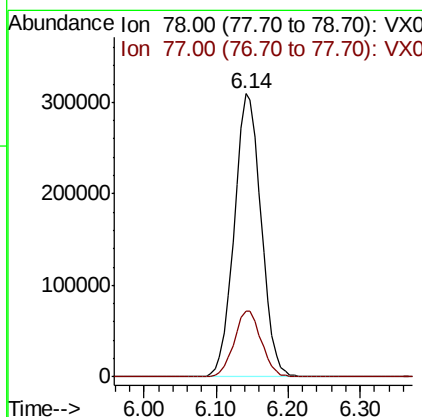
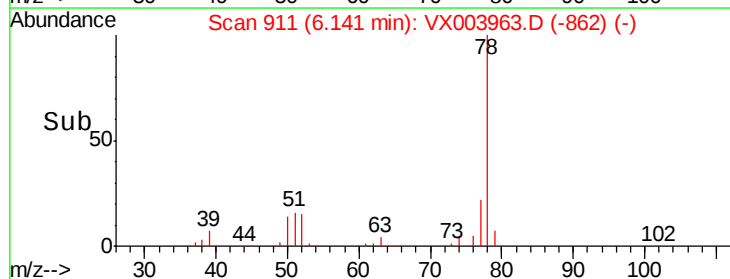
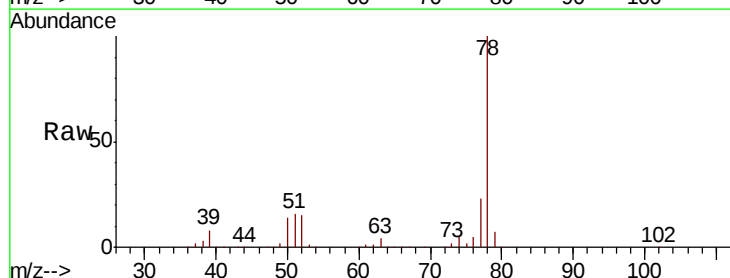
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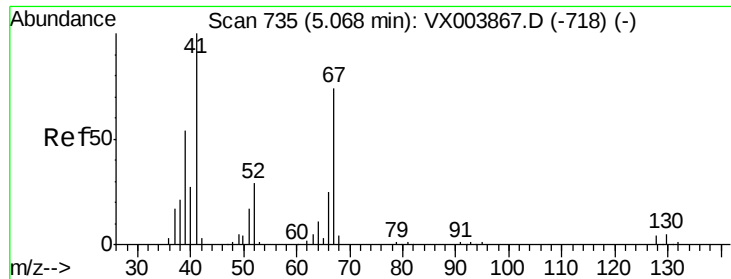
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#40
Benzene
Concen: 48.41 ug/l
RT: 6.14 min Scan# 911
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.1	19.0	28.4	





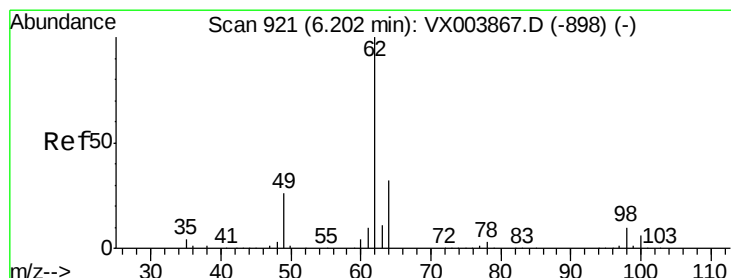
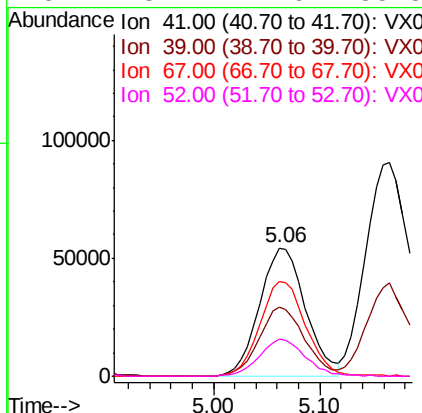
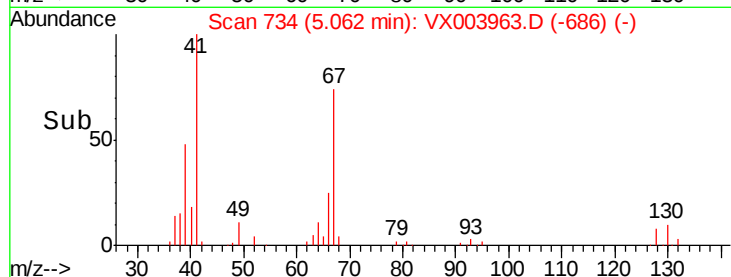
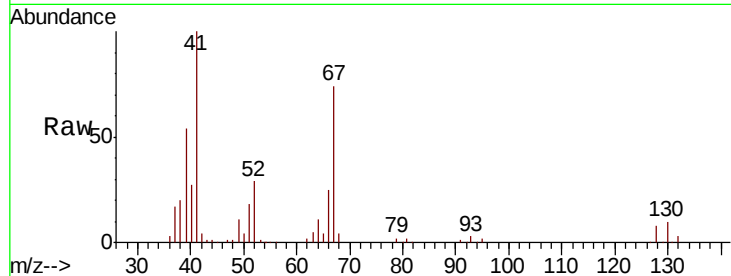
#41
Methacrylonitrile
Concen: 49.00 ug/l
RT: 5.06 min Scan# 734
Delta R.T. -0.01 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	42.7	64.1	
67	74.0	58.9	88.3	
52	28.4	22.6	33.8	

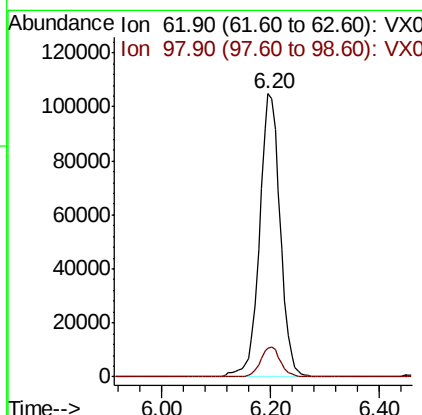
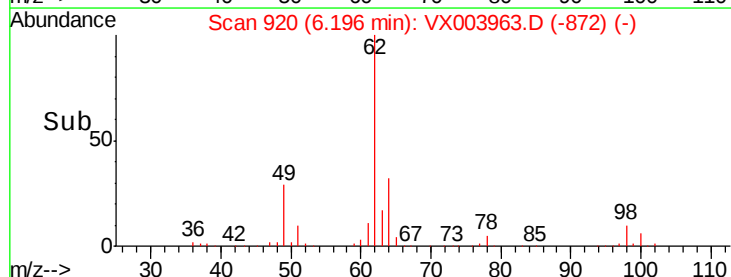
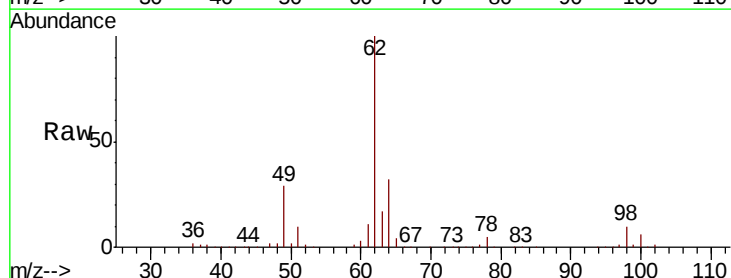
Manual Integrations
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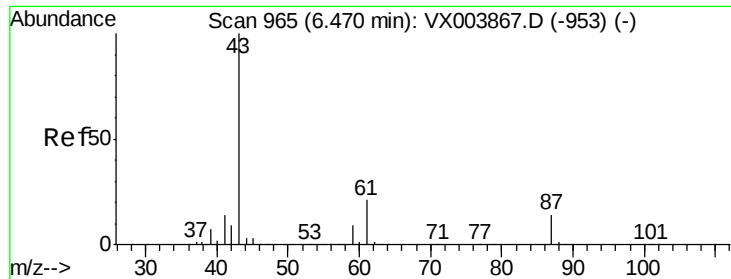
MMDadoda
8/10/2018 10:56:44 AM



#42
1,2-Dichloroethane
Concen: 48.93 ug/l
RT: 6.20 min Scan# 920
Delta R.T. -0.01 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

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





#43

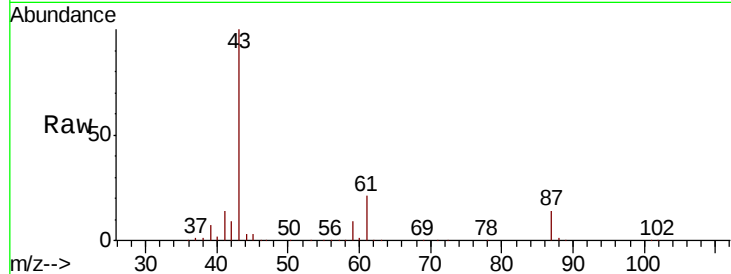
Isopropyl Acetate
 Concen: 49.21 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

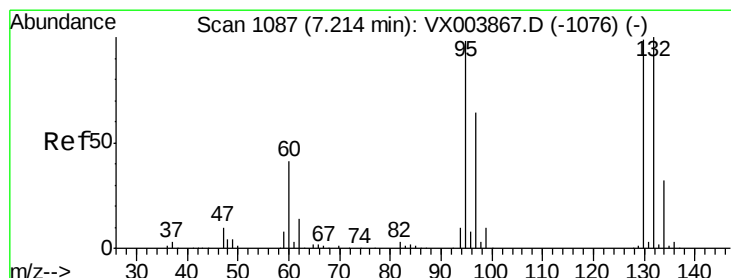
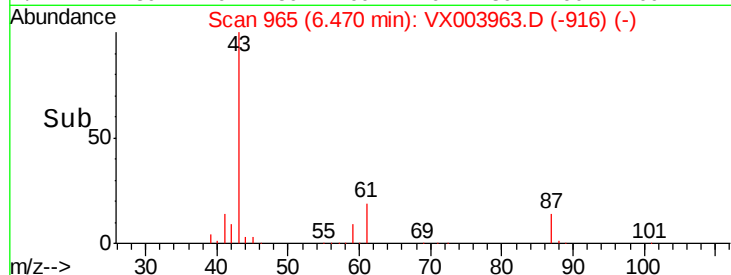
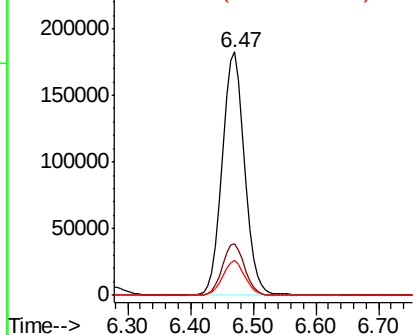
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.9	25.3
87	14.1	11.3	16.9

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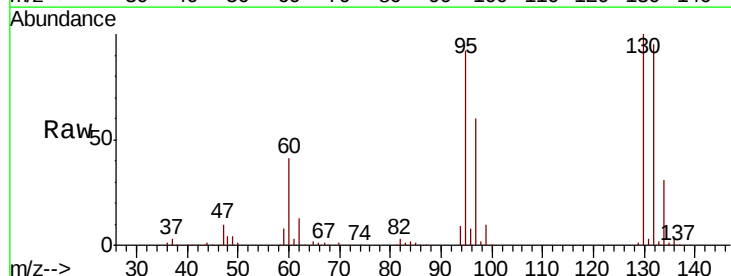
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



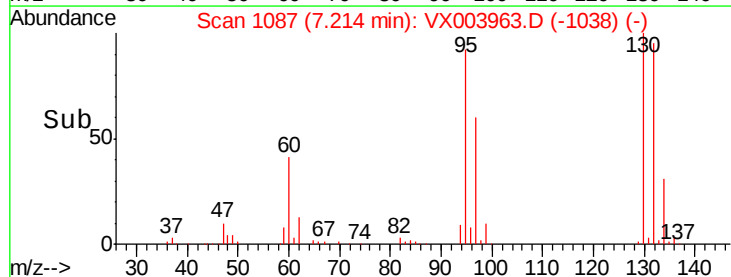
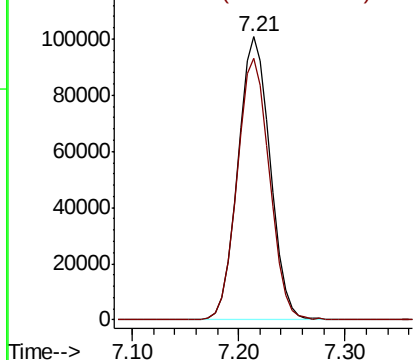
#44

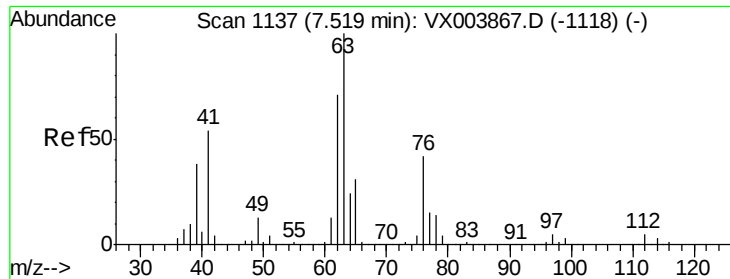
Trichloroethene
 Concen: 47.32 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	199.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 47.99 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 205355

Ion Ratio Lower Upper

63 100

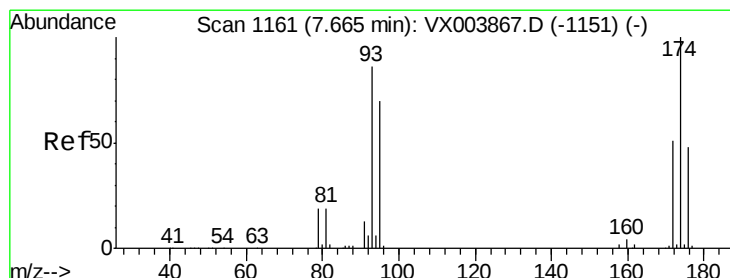
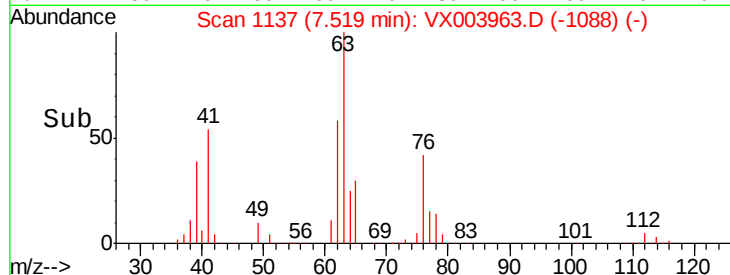
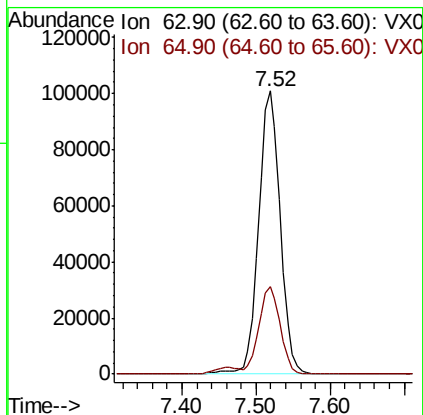
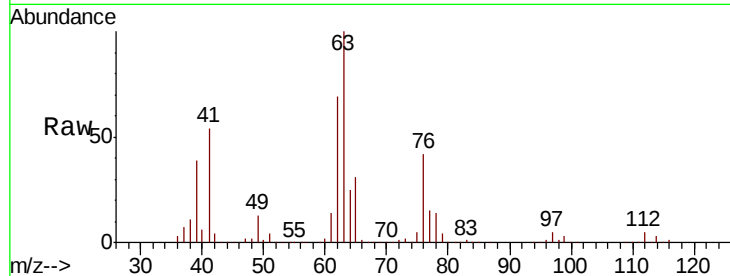
65 30.9 24.6 36.8

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#46

Dibromomethane

Concen: 48.53 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

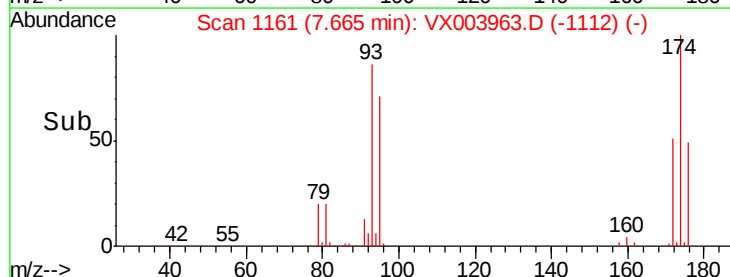
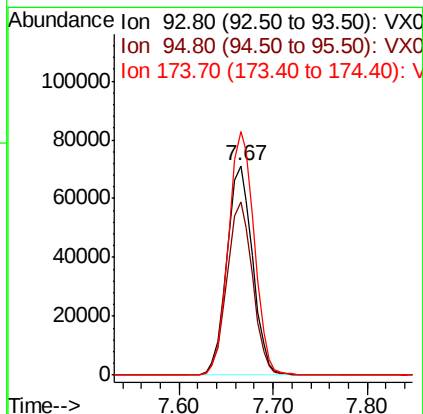
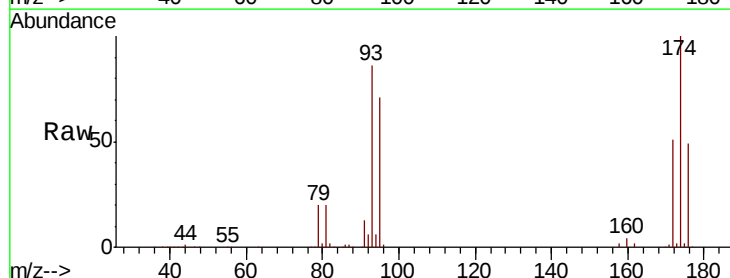
Tgt Ion: 93 Resp: 134828

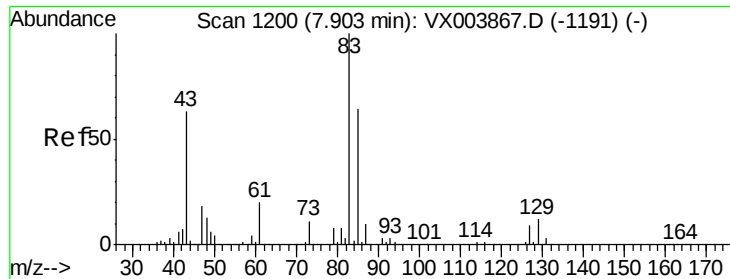
Ion Ratio Lower Upper

93 100

95 82.8 66.4 99.6

174 117.2 94.3 141.5





#47

Bromodichloromethane

Concen: 49.94 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

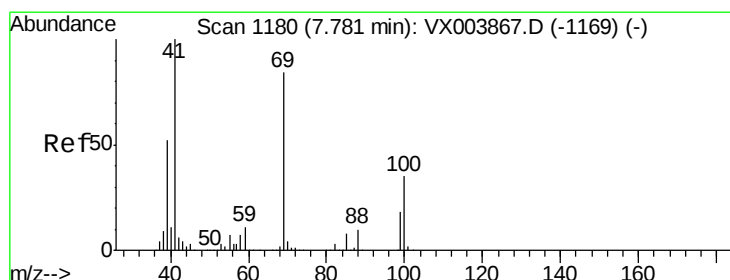
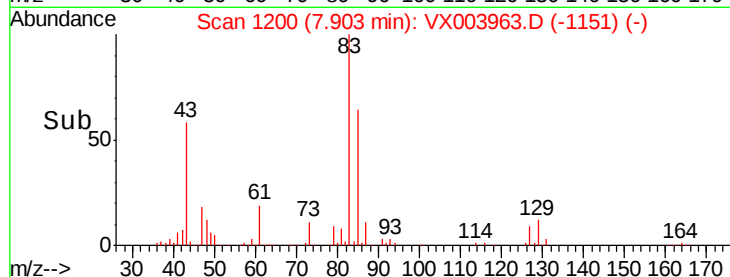
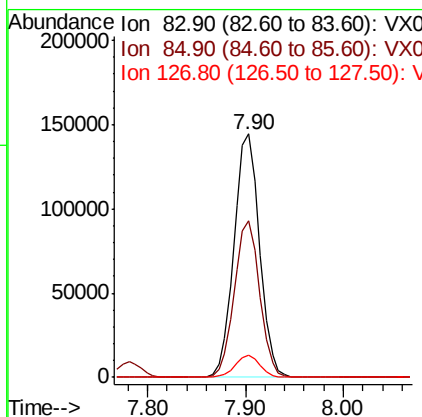
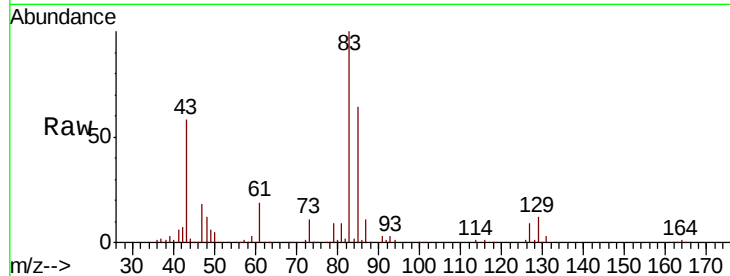
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	261353
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	8.9	7.2	10.8

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#48

Methyl methacrylate

Concen: 50.05 ug/l

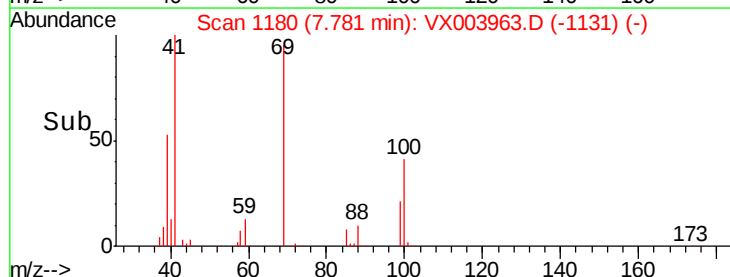
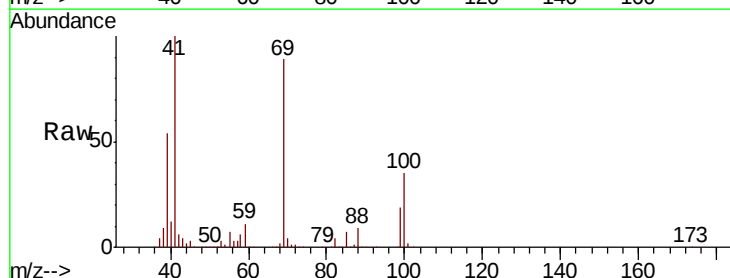
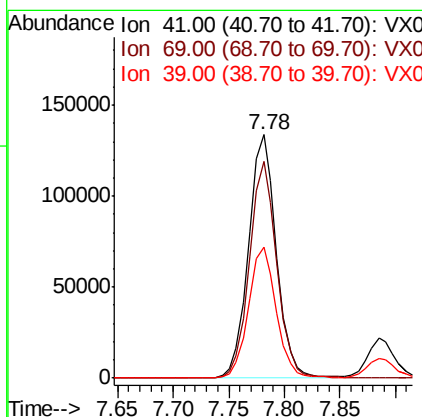
RT: 7.78 min Scan# 1180

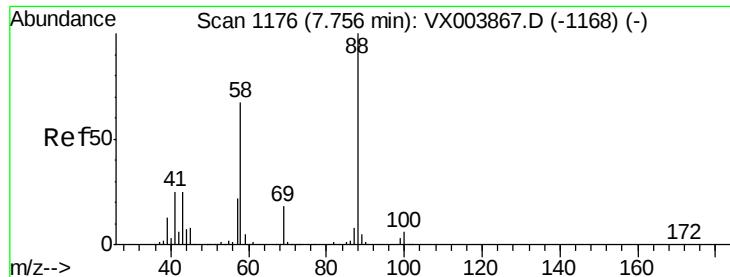
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	41	Resp:	232399
Ion	Ratio	Lower	Upper
41	100		
69	88.1	68.8	103.2
39	53.7	42.3	63.5





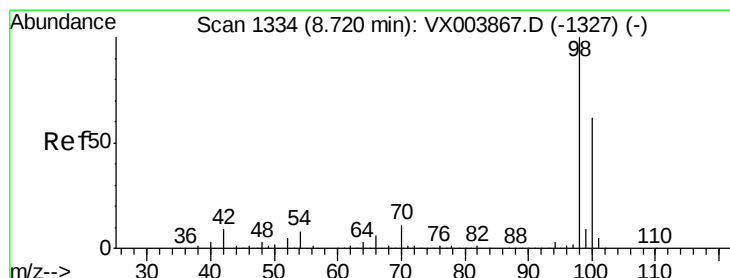
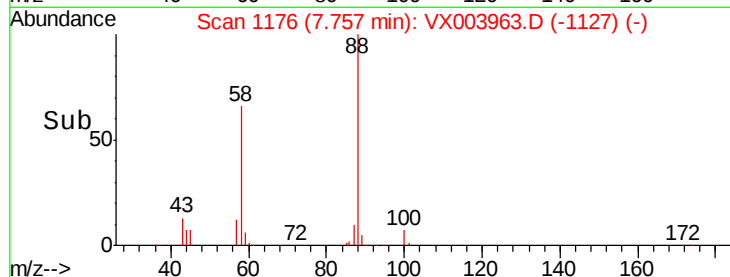
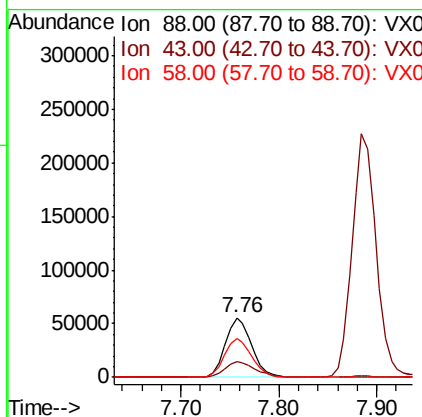
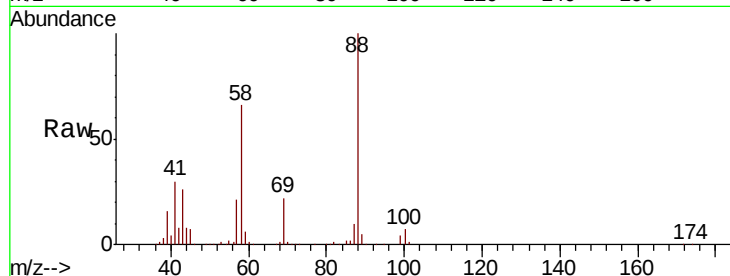
#49
1,4-Dioxane
Concen: 944.25 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.8	23.8	35.8
58	68.6	55.4	83.0

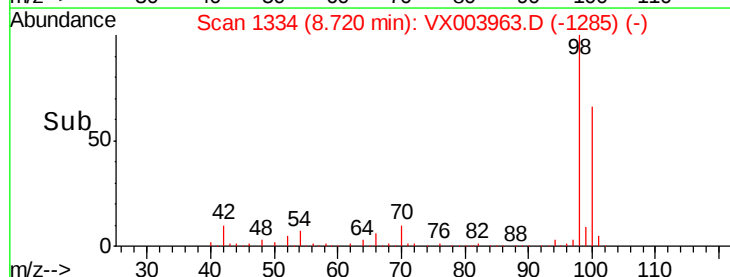
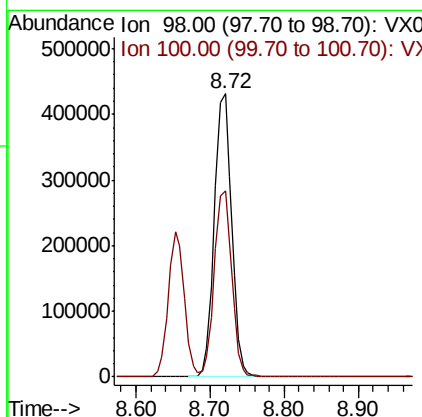
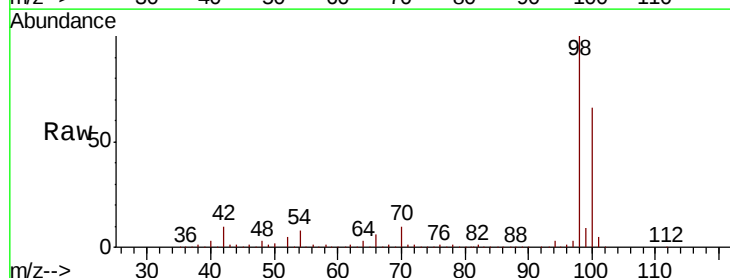
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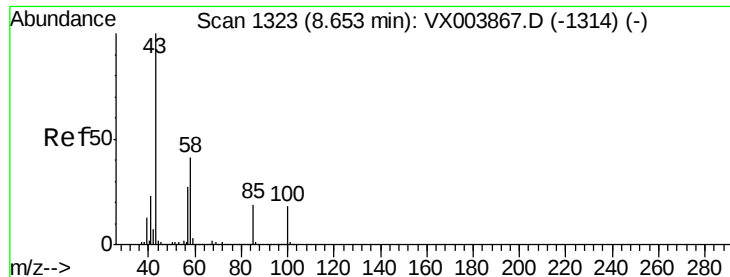
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#50
Toluene-d8
Concen: 47.55 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9





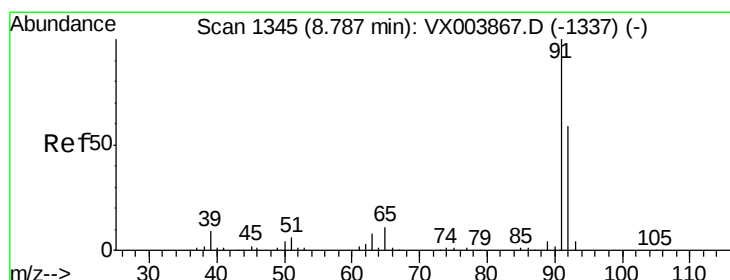
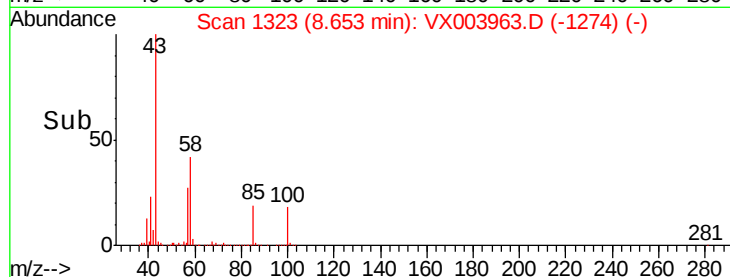
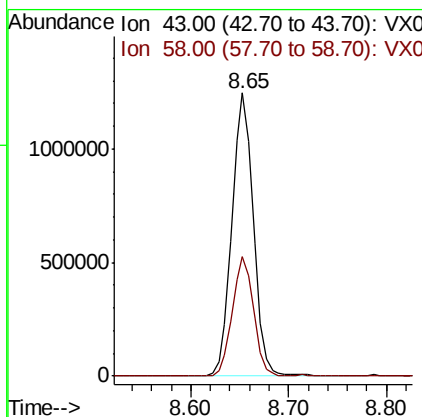
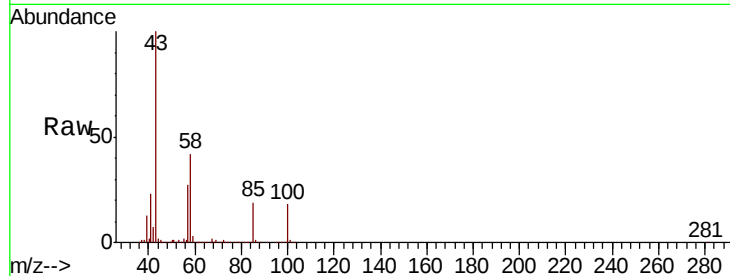
#51
4-Methyl-2-Pentanone
Concen: 250.53 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 1896922
Ion Ratio Lower Upper
43 100
58 41.6 33.0 49.6

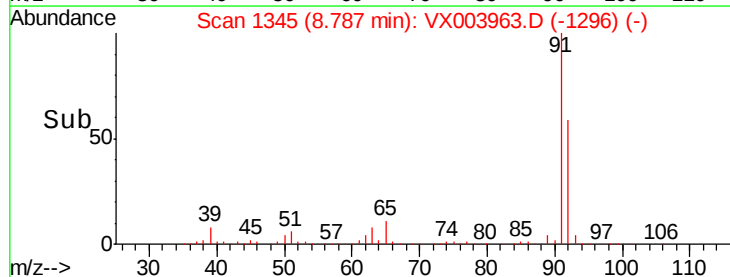
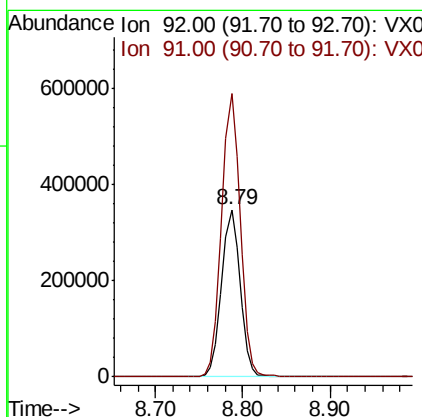
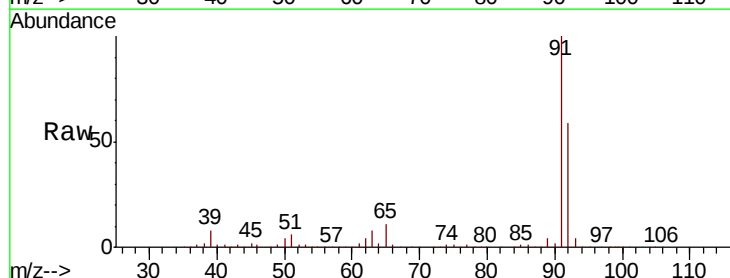
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#52
Toluene
Concen: 49.03 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion: 92 Resp: 513351
Ion Ratio Lower Upper
92 100
91 170.1 136.1 204.1





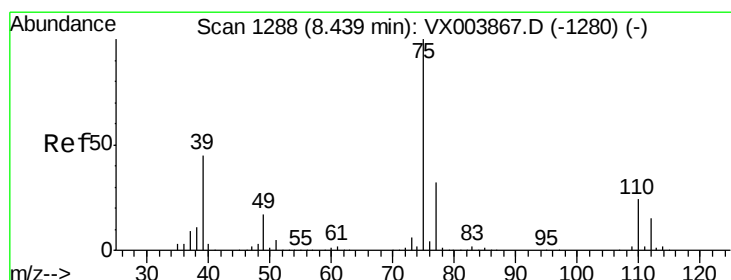
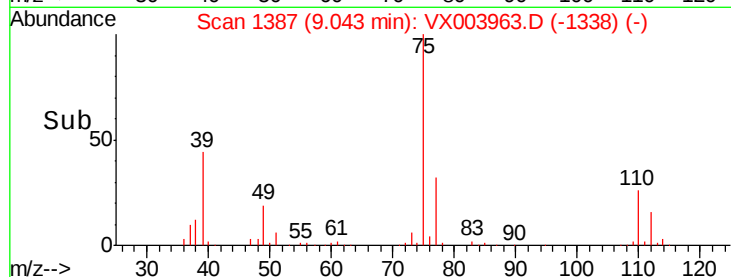
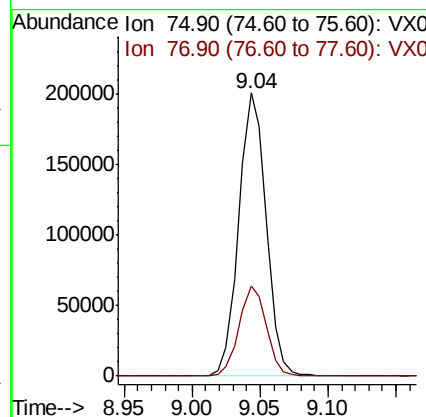
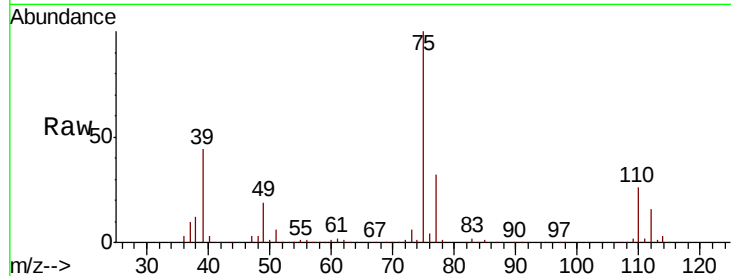
#53
 t-1,3-Dichloropropene
 Concen: 47.62 ug/l
 RT: 9.04 min Scan# 1387
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 281703
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7

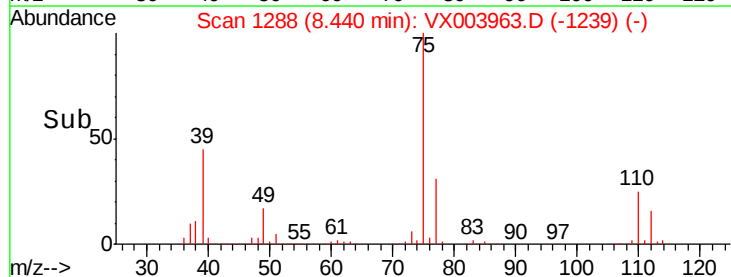
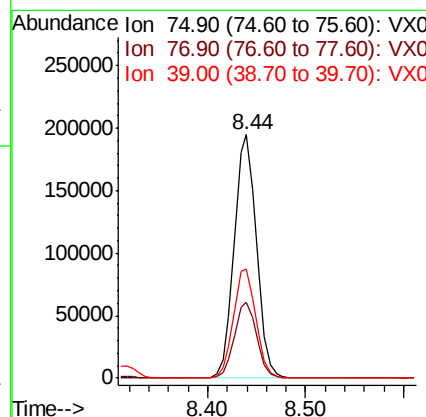
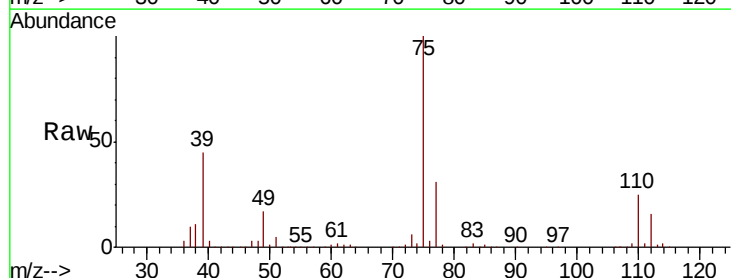
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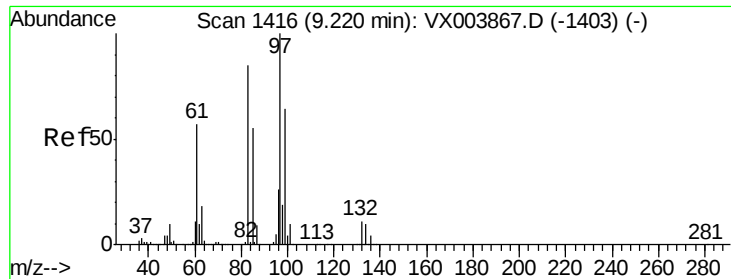
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#54
 cis-1,3-Dichloropropene
 Concen: 48.18 ug/l
 RT: 8.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion: 75 Resp: 307274
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9
 39 44.7 36.2 54.2





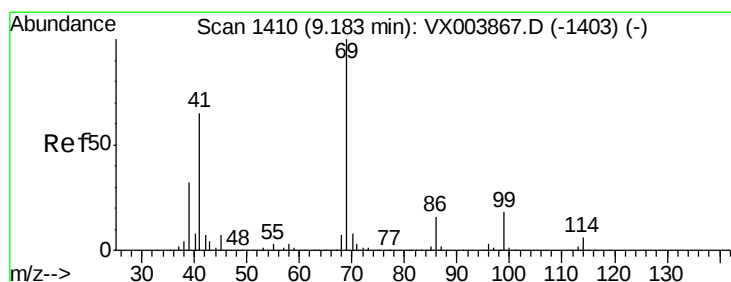
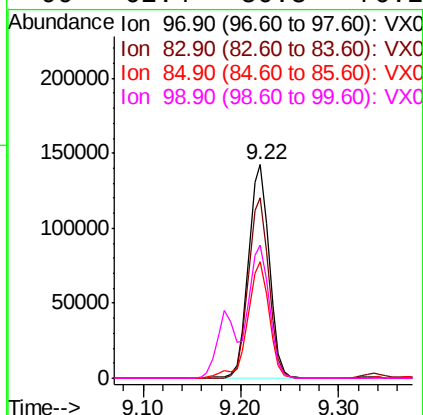
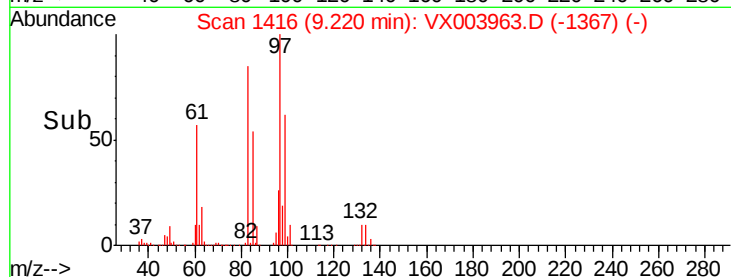
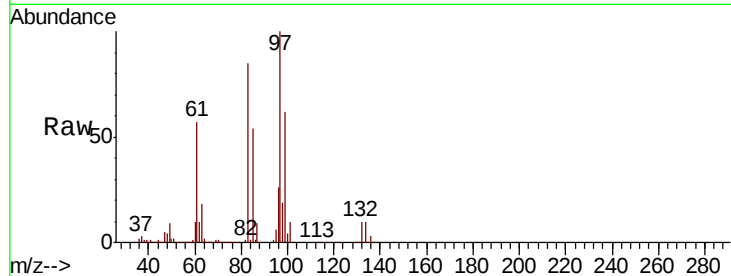
#55
 1,1,2-Trichloroethane
 Concen: 48.97 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		209506		
83	84.7	67.8	101.6		
85	54.3	44.2	66.2		
99	62.4	50.8	76.2		

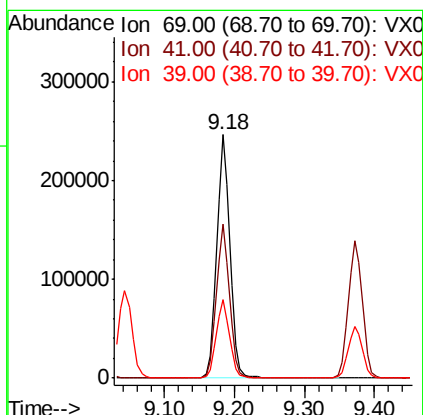
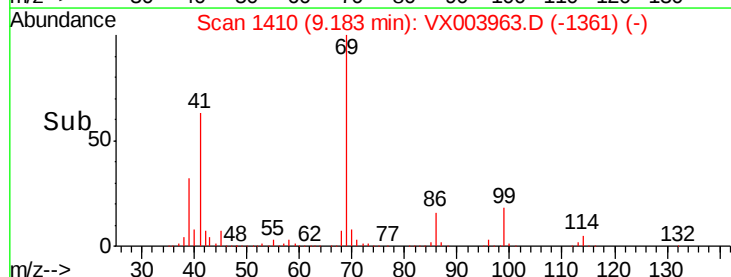
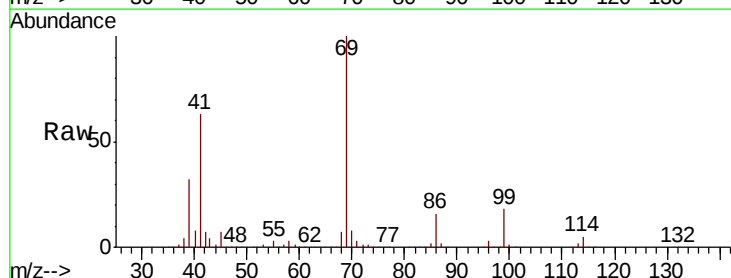
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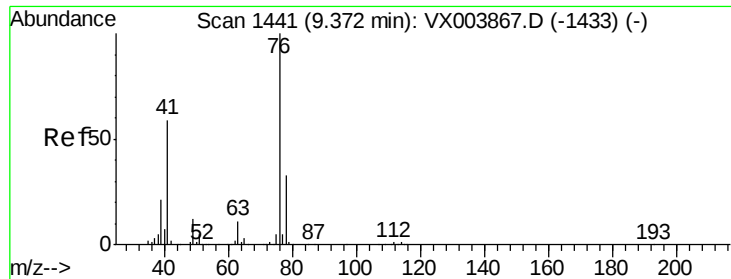
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#56
 Ethyl methacrylate
 Concen: 51.92 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		322280		
41	63.2	50.6	76.0		
39	32.3	25.8	38.6		





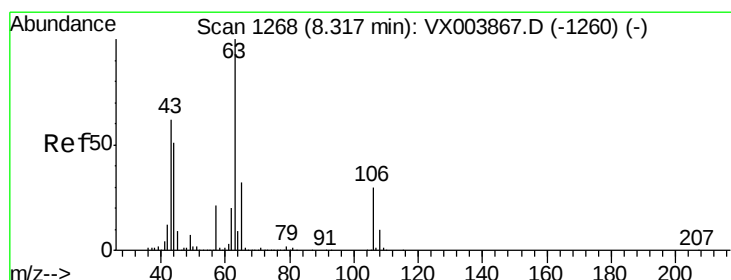
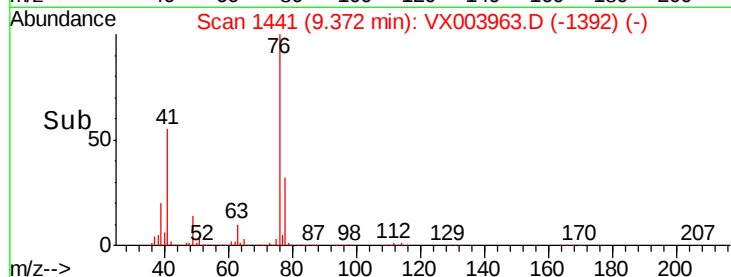
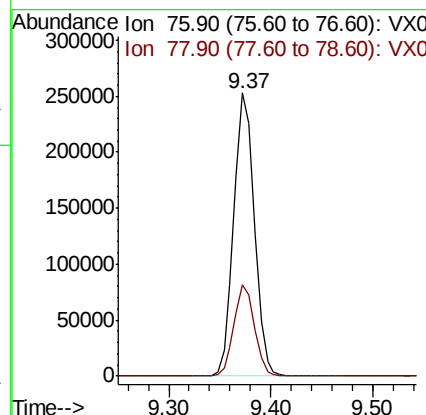
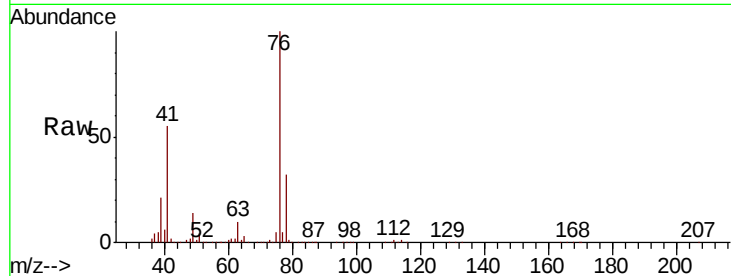
#57
 1,3-Dichloropropane
 Concen: 49.23 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.9	38.9

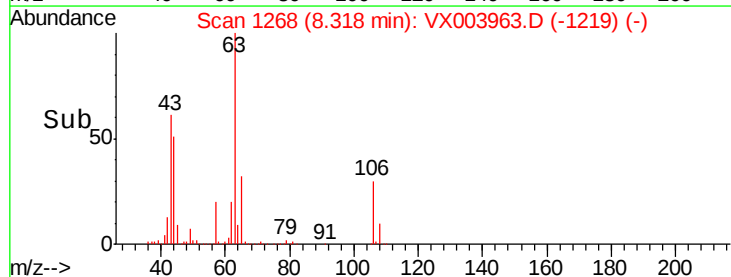
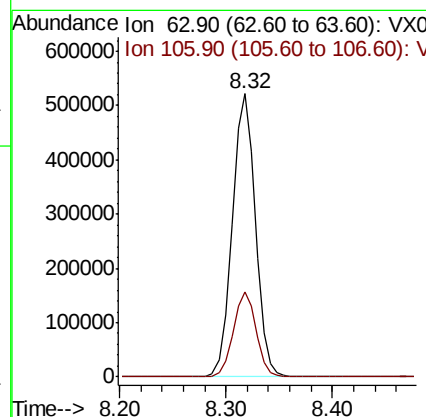
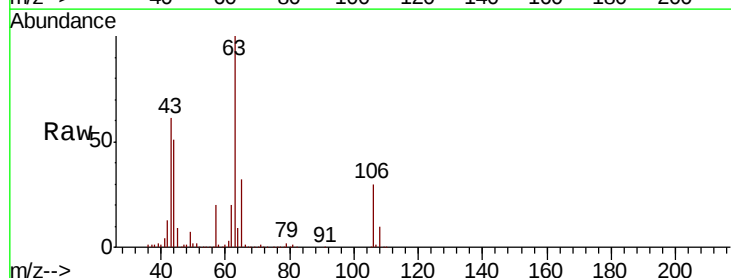
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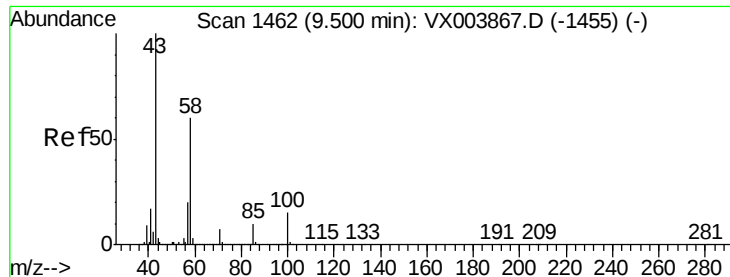
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 8/10/2018 10:56:44 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.63 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.8





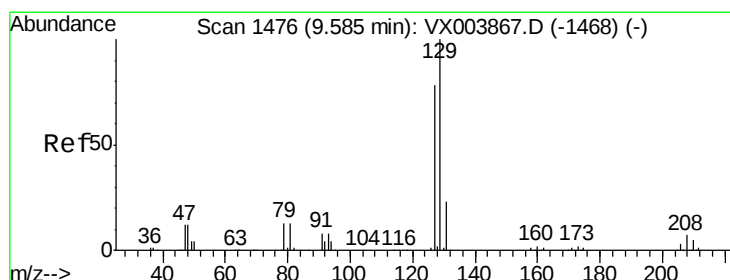
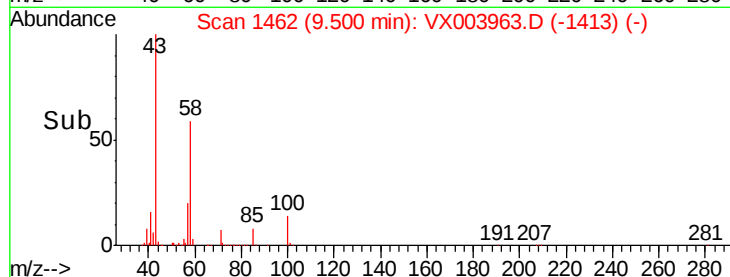
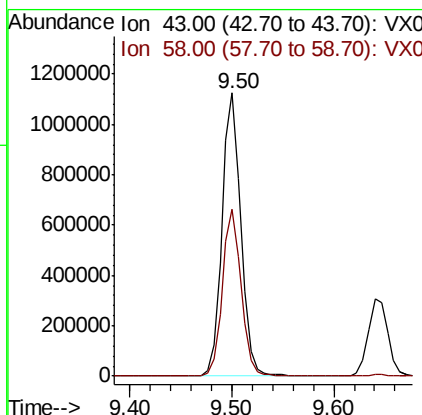
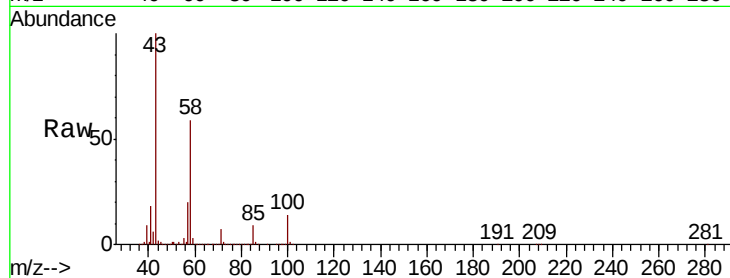
#59
2-Hexanone
Concen: 256.27 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1450435
Ion Ratio Lower Upper
43 100
58 58.4 29.0 87.0

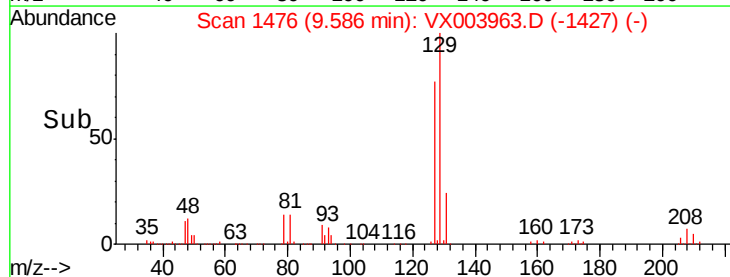
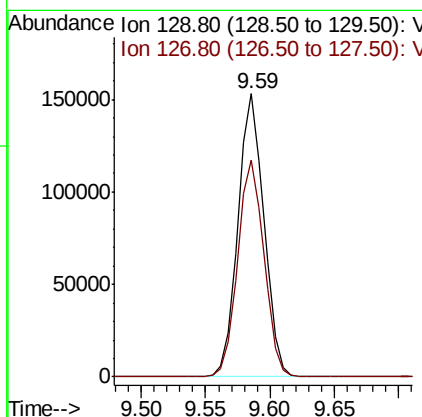
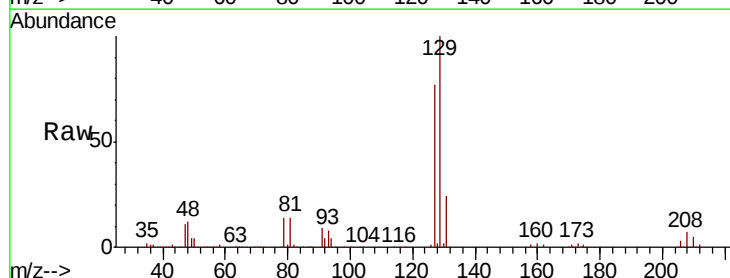
Manual Integrations
APPROVED

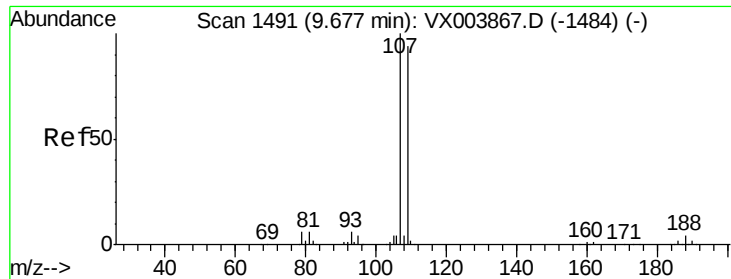
MMDadoda
8/10/2018 10:56:44 AM



#60
Dibromochloromethane
Concen: 53.66 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion: 129 Resp: 214066
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.3





#61

1,2-Dibromoethane

Concen: 51.17 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 219196

Ion Ratio Lower Upper

107 100

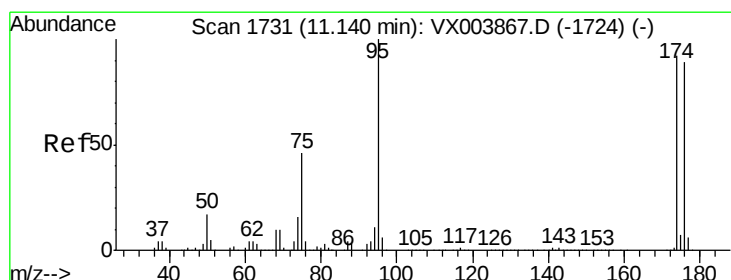
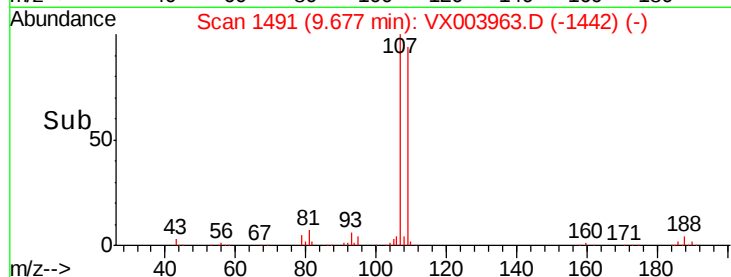
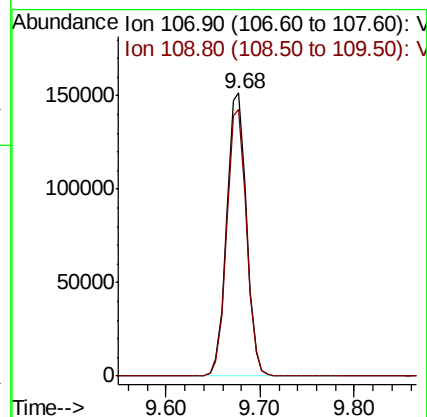
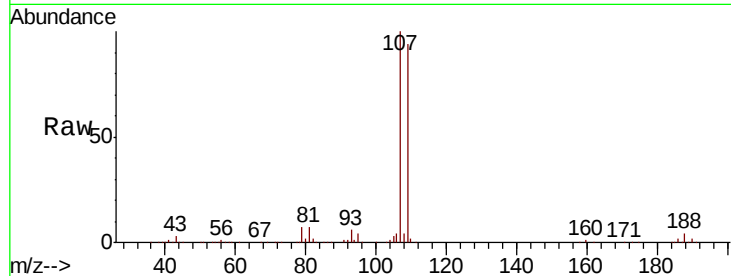
109 94.6 75.8 113.8

Manual Integrations

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8/10/2018 10:56:44 AM



#62

4-Bromofluorobenzene

Concen: 54.78 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

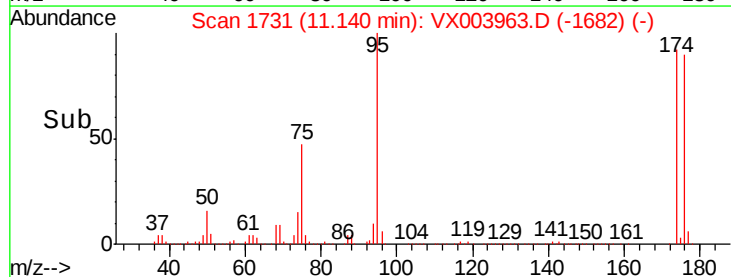
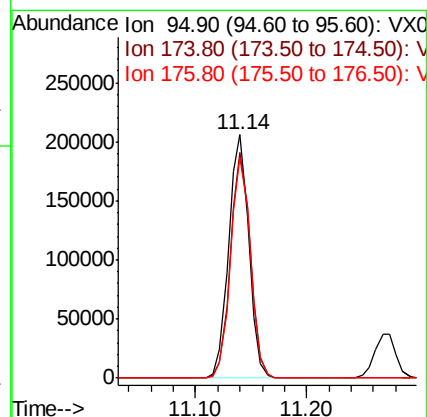
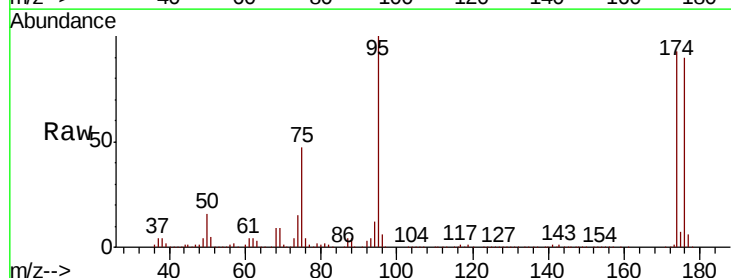
Tgt Ion: 95 Resp: 257265

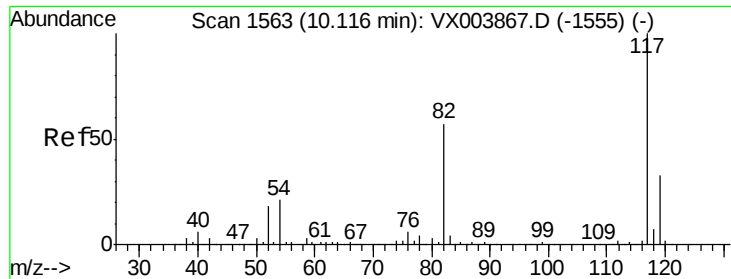
Ion Ratio Lower Upper

95 100

174 91.7 0.0 182.8

176 89.2 0.0 179.0





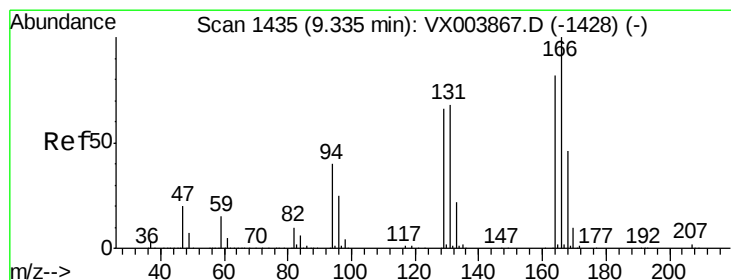
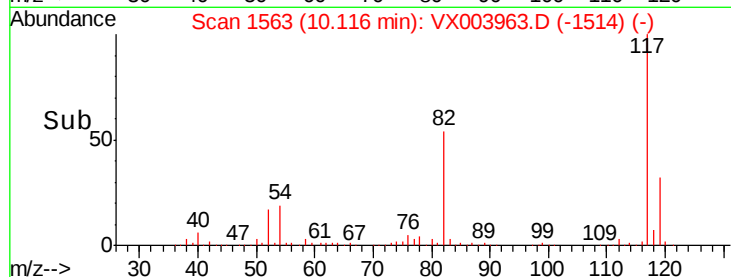
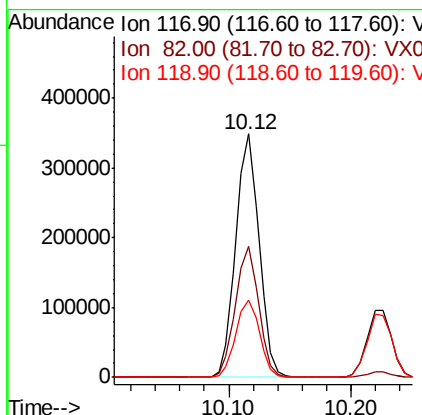
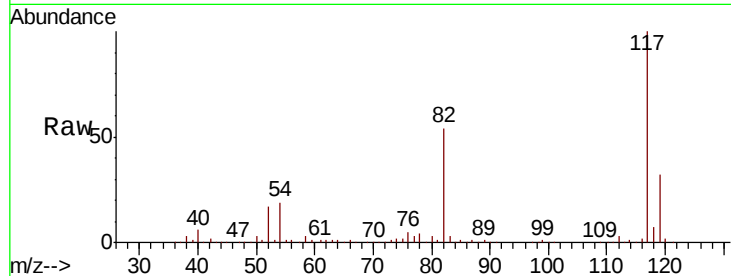
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	45.4	68.0
119	31.8	26.6	40.0

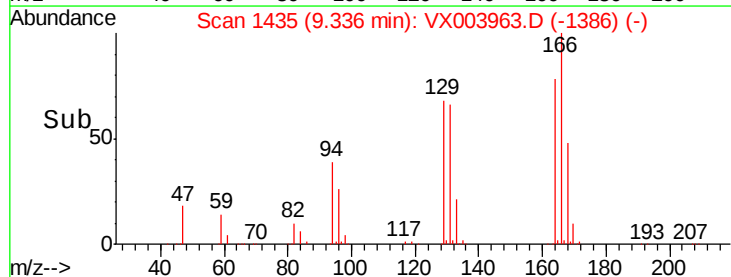
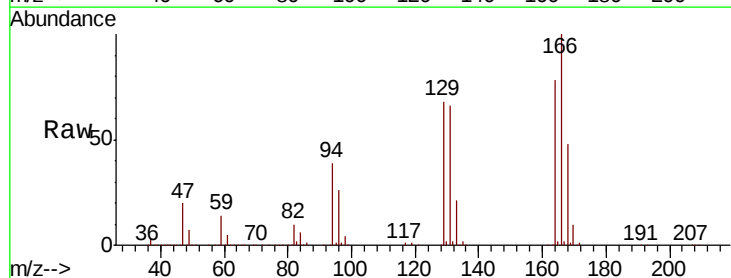
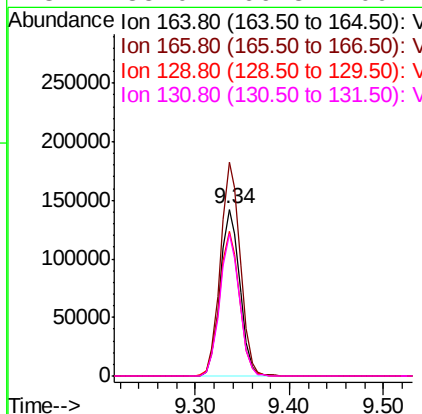
Manual Integrations
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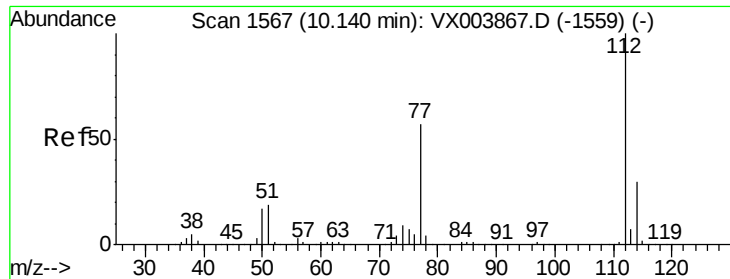
MMDadoda
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#64
Tetrachloroethene
Concen: 45.52 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	98.0	147.0
129	86.8	64.3	96.5
131	85.0	66.8	100.2





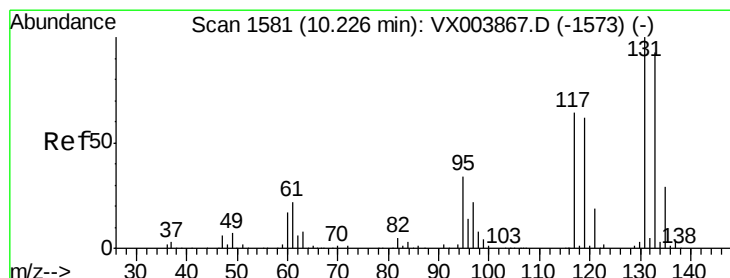
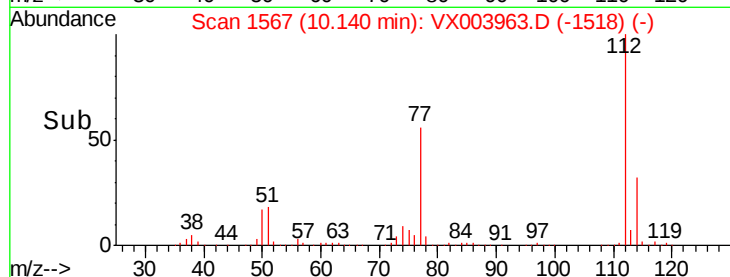
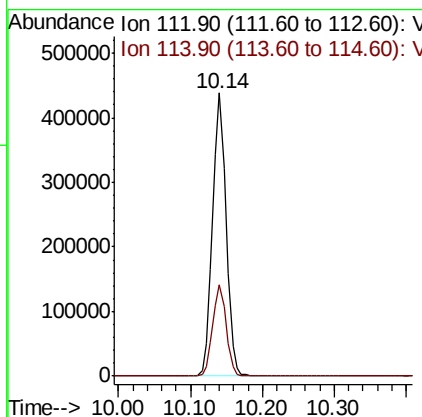
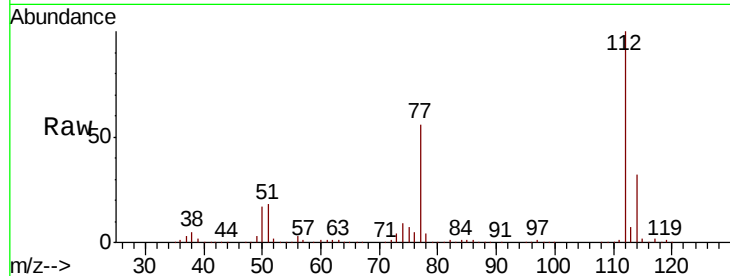
#65
Chlorobenzene
Concen: 47.64 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 571073
Ion Ratio Lower Upper
112 100
114 32.3 23.6 35.4

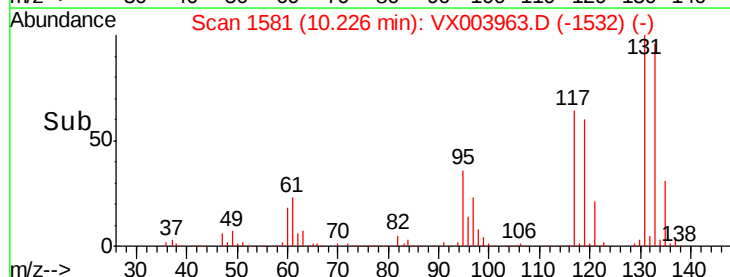
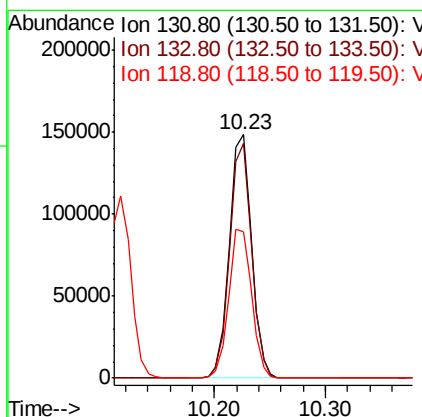
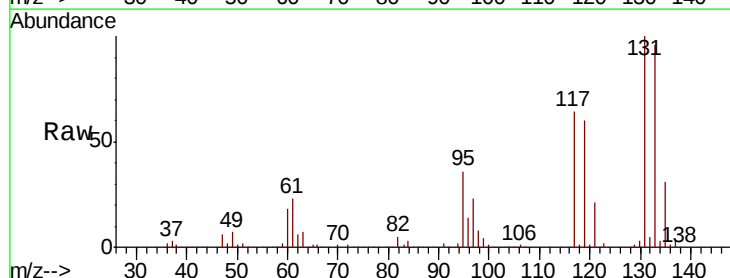
Manual Integrations
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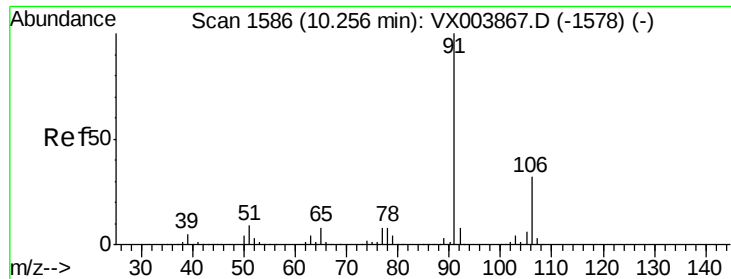
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.73 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion:131 Resp: 204937
Ion Ratio Lower Upper
131 100
133 95.2 47.3 141.8
119 63.3 31.6 94.8





#67

Ethyl Benzene

Concen: 49.34 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 968134

Ion Ratio Lower Upper

91 100

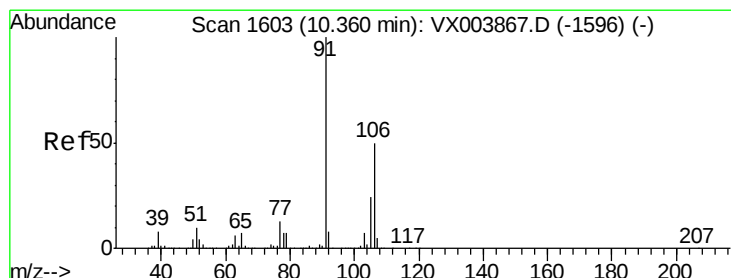
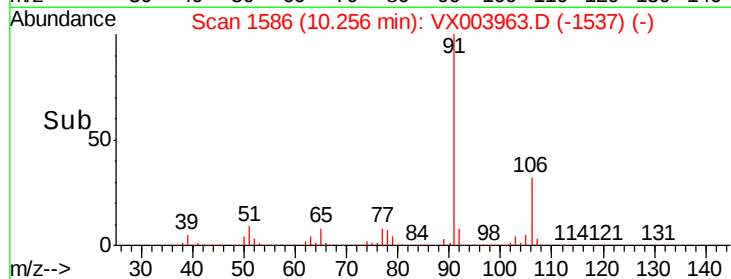
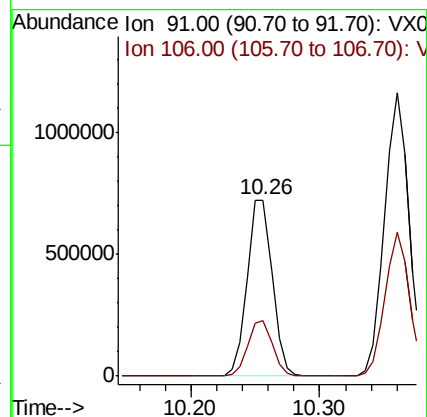
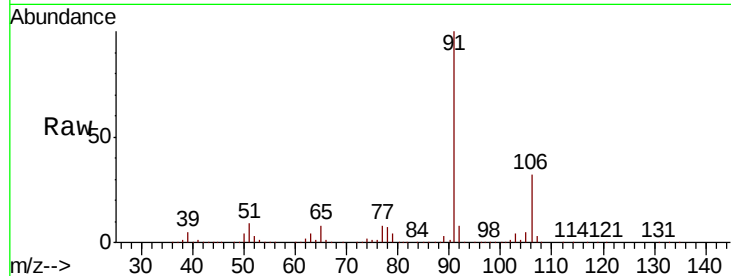
106 31.6 25.9 38.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 100.70 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003963.D

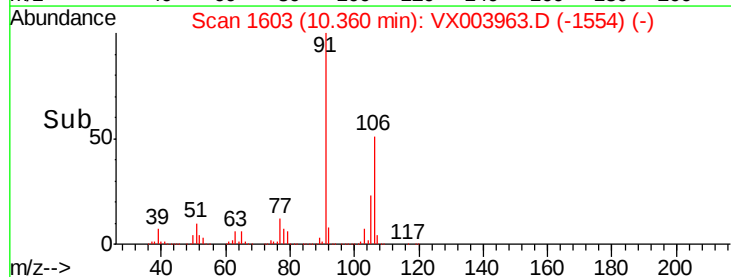
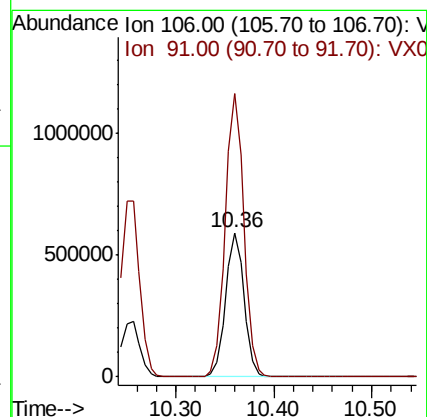
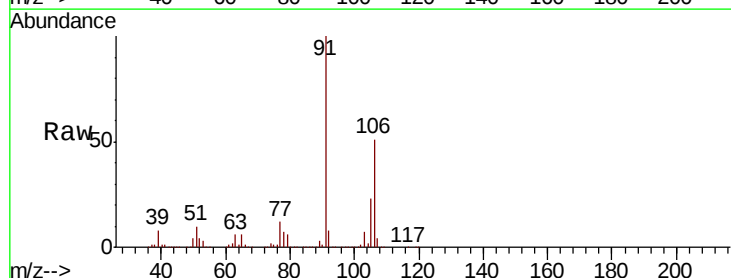
Acq: 09 Aug 2018 20:50

Tgt Ion: 106 Resp: 772092

Ion Ratio Lower Upper

106 100

91 197.8 162.3 243.5





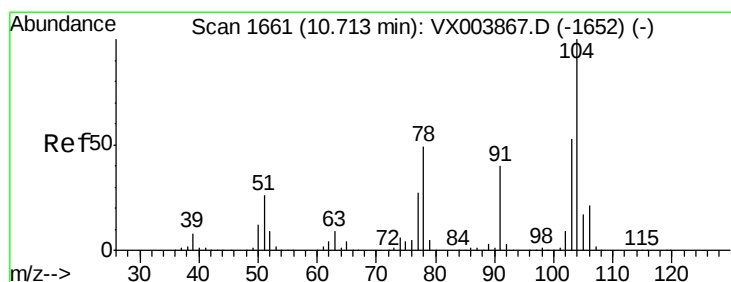
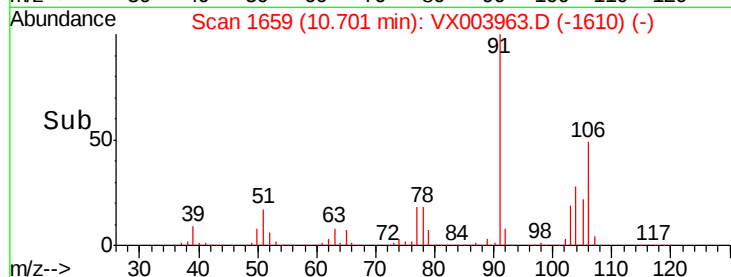
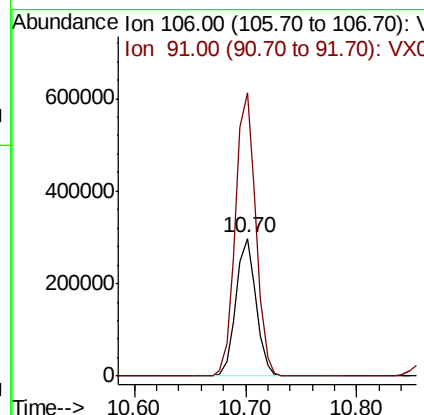
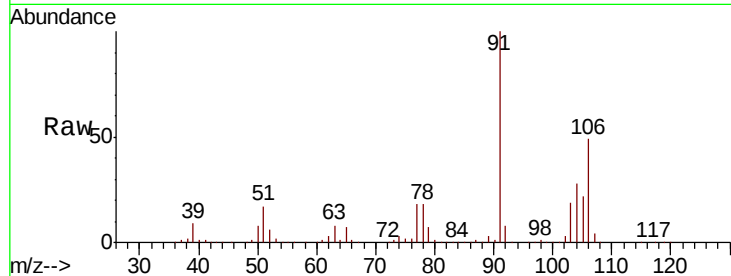
#69
o-Xylene
Concen: 51.30 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 371275
Ion Ratio Lower Upper
106 100
91 208.2 101.9 305.7

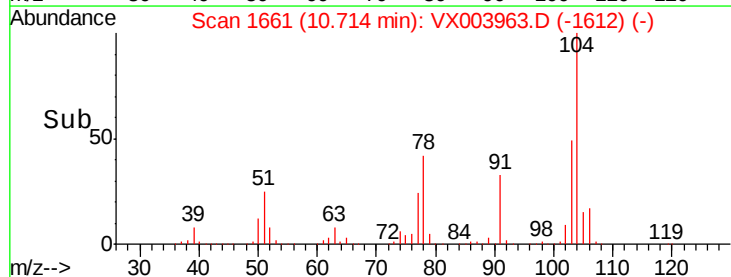
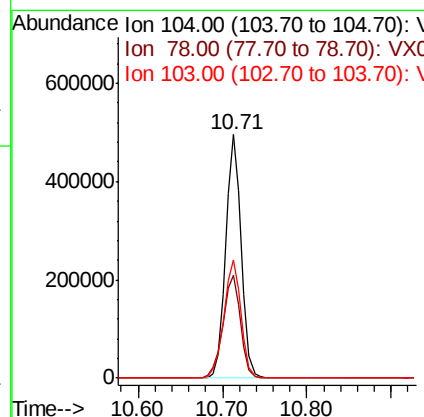
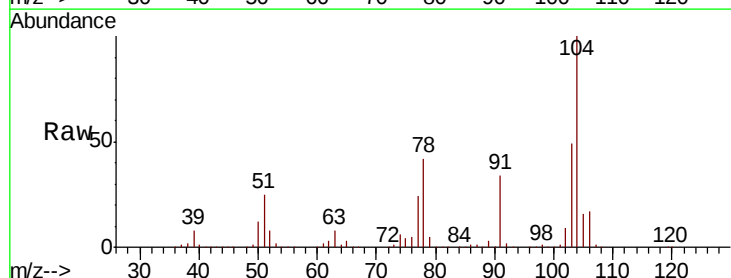
Manual Integrations
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#70
Styrene
Concen: 53.00 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion:104 Resp: 628078
Ion Ratio Lower Upper
104 100
78 47.7 39.8 59.6
103 53.6 44.3 66.5





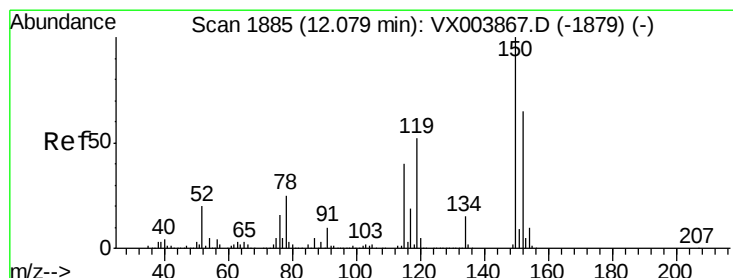
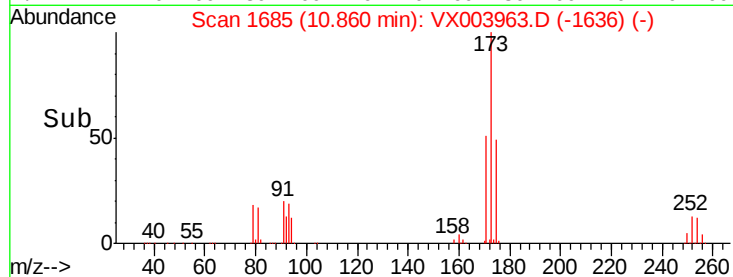
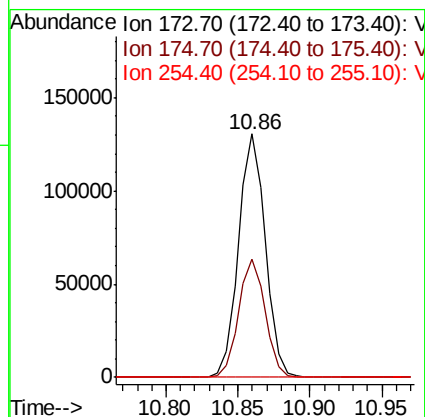
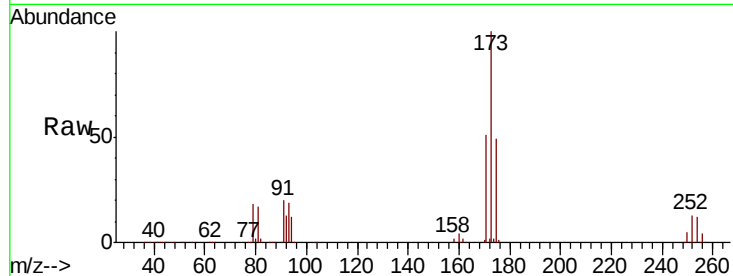
#71
Bromoform
Concen: 48.47 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.9	74.7
254	0.2	0.2	0.2

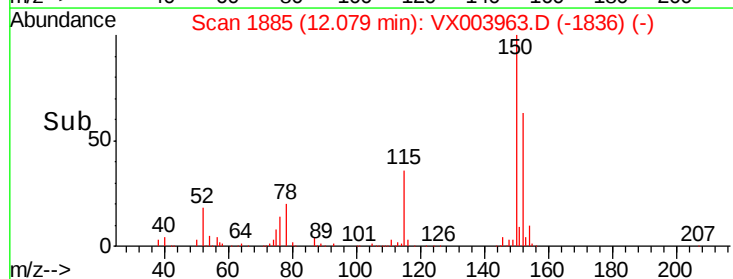
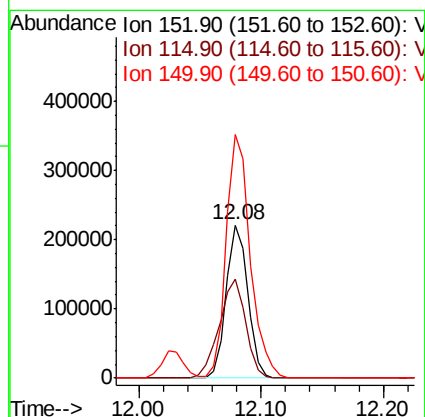
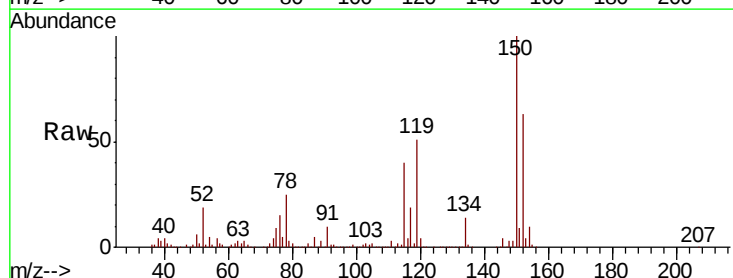
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	78.8	39.1	117.3
150	177.2	0.0	349.2





#73

Isopropylbenzene

Concen: 49.50 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 991943

Ion Ratio Lower Upper

105 100

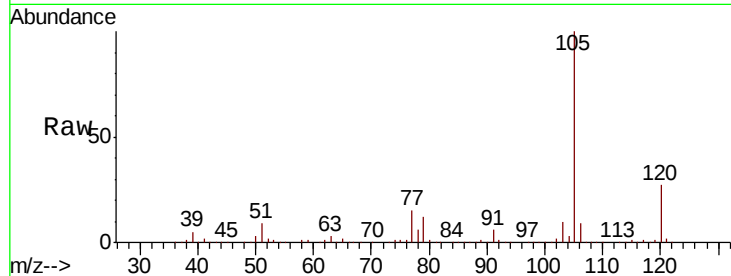
120 26.9 12.6 37.8

Manual Integrations

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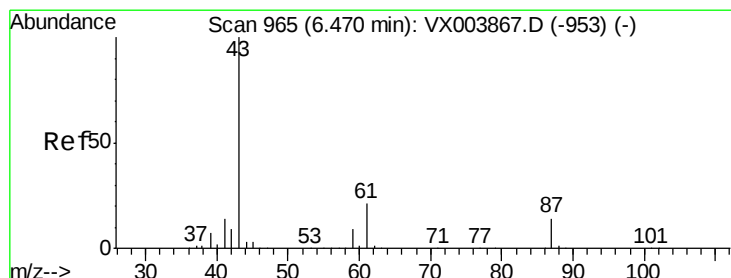
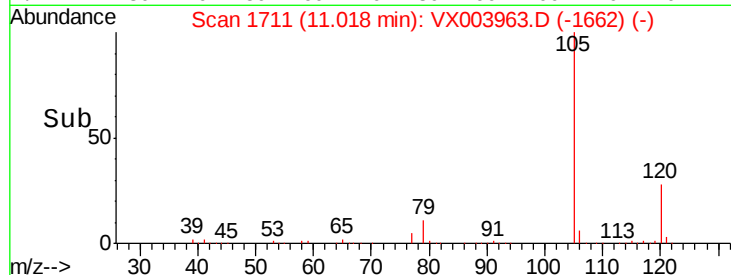
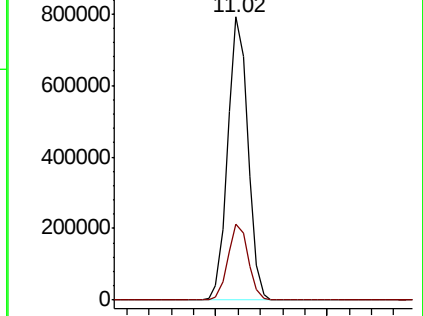
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 43.13 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion: 43 Resp: 449499

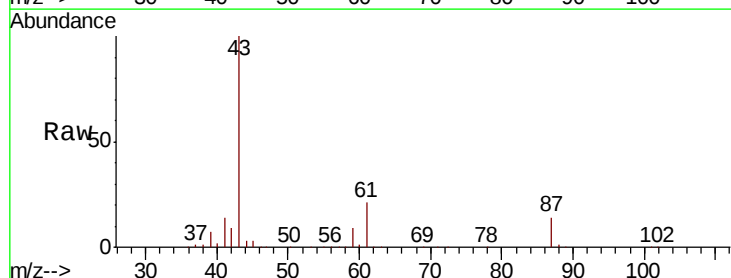
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0#

55 0.1 0.1 0.1#

61 21.3 16.9 25.3

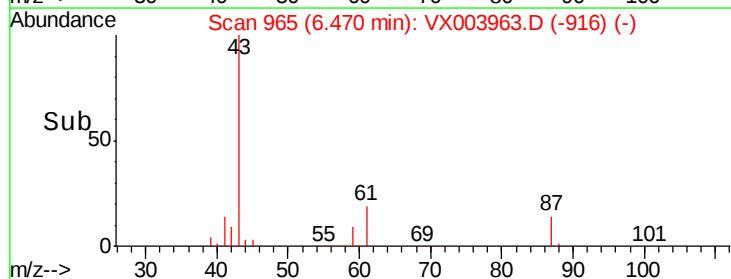
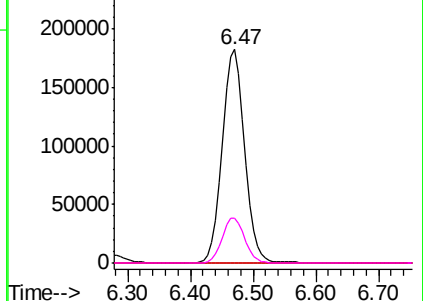


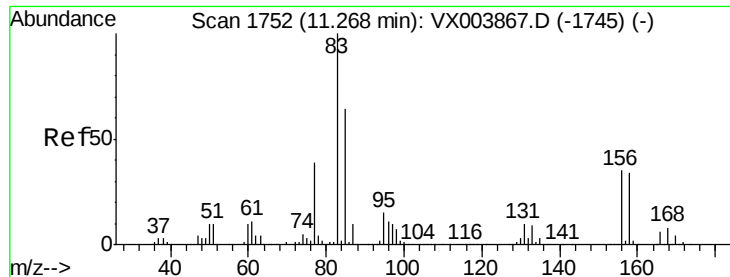
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 48.03 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

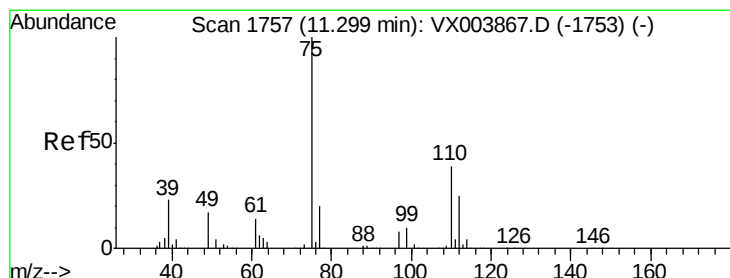
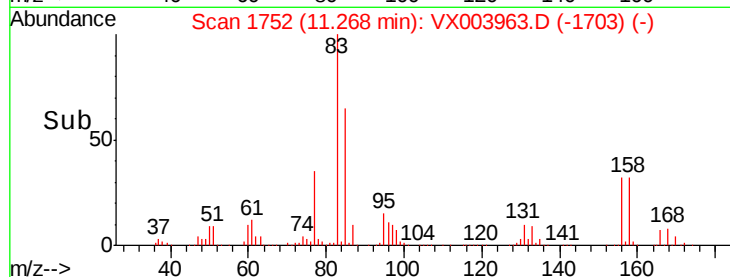
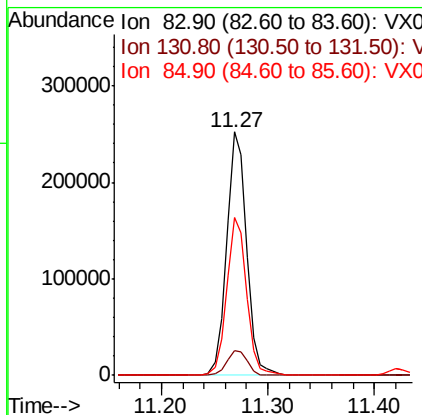
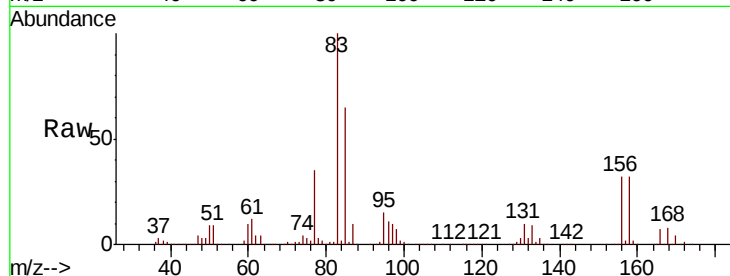
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	329915
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.8	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 48.15 ug/l m

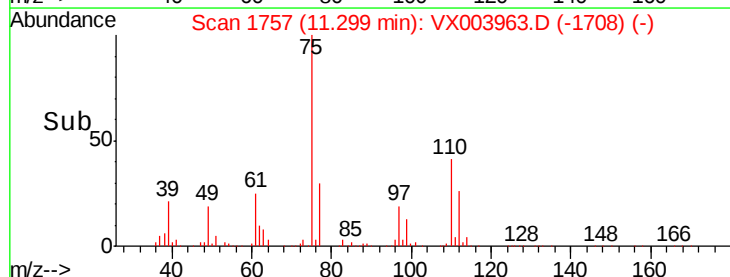
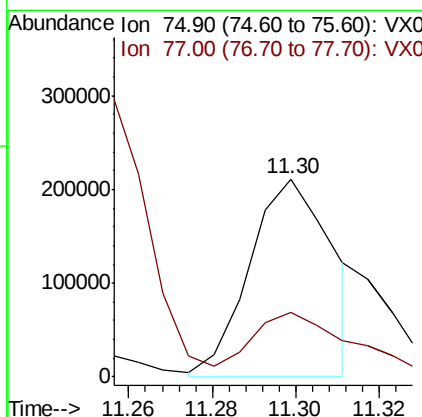
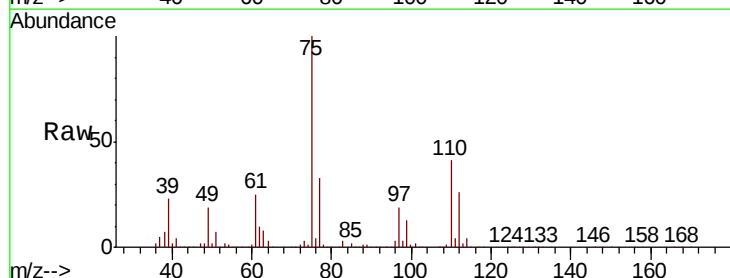
RT: 11.30 min Scan# 1757

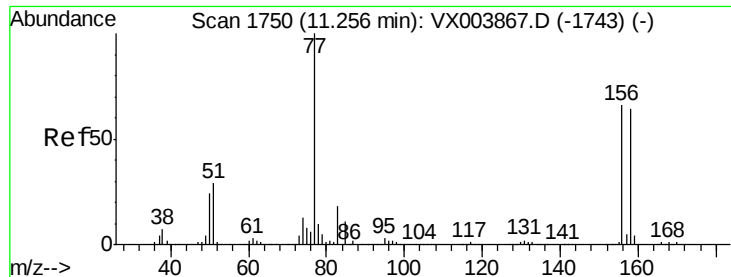
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	75	Resp:	288086
Ion Ratio	Lower	Upper	
75	100		
77	40.1	20.8	62.5





#77

Bromobenzene

Concen: 49.14 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

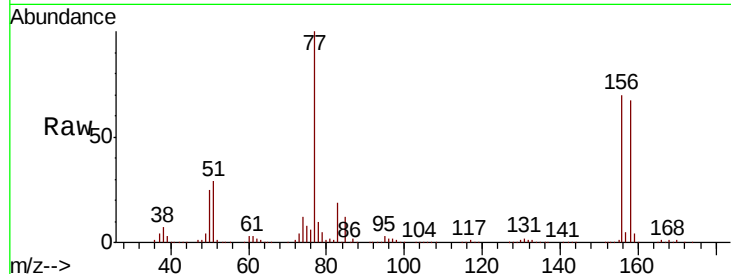
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	262681
Ion Ratio	Lower	Upper	
156	100		
77	145.8	74.1	222.2
158	97.3	48.6	145.9

Manual Integrations
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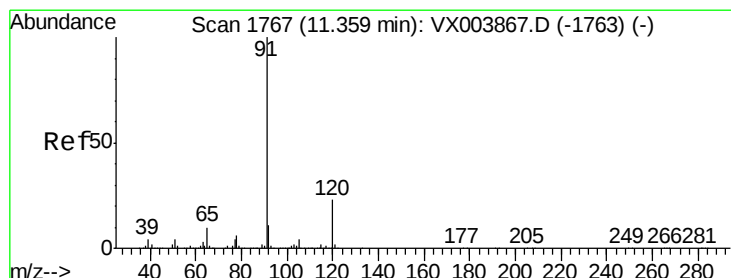
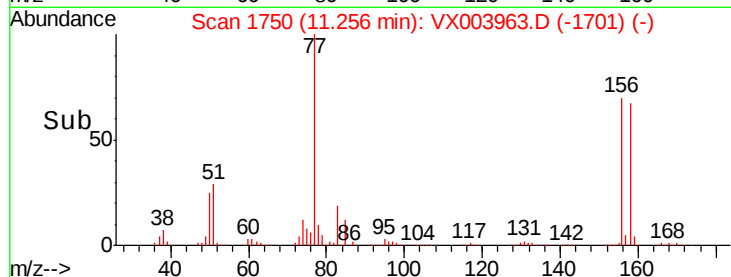
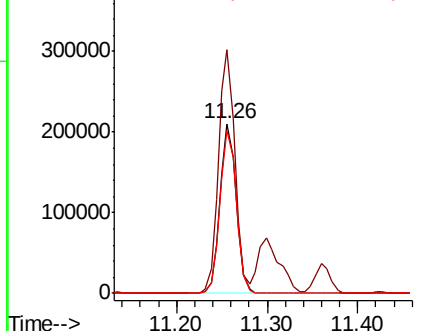
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.40 ug/l

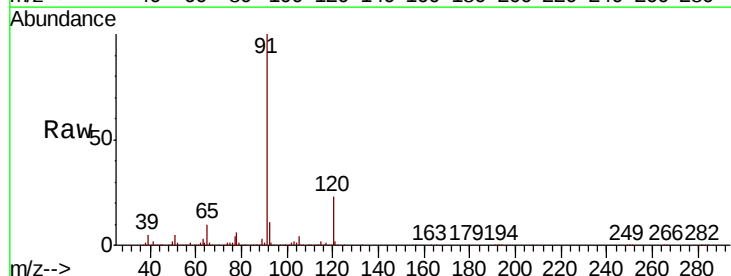
RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003963.D

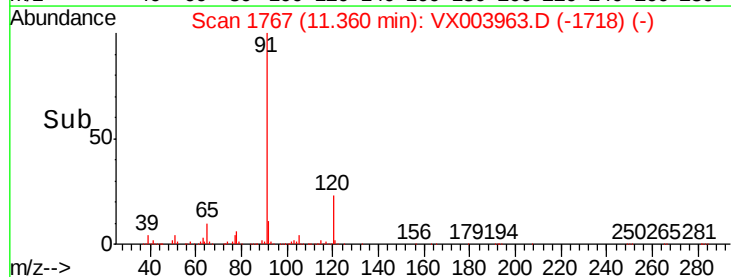
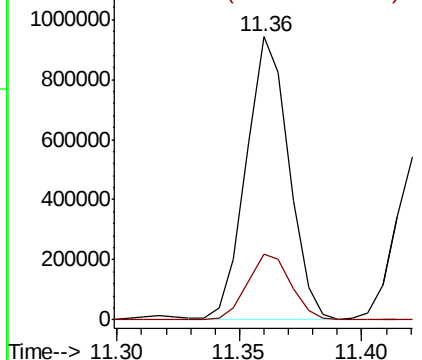
Acq: 09 Aug 2018 20:50

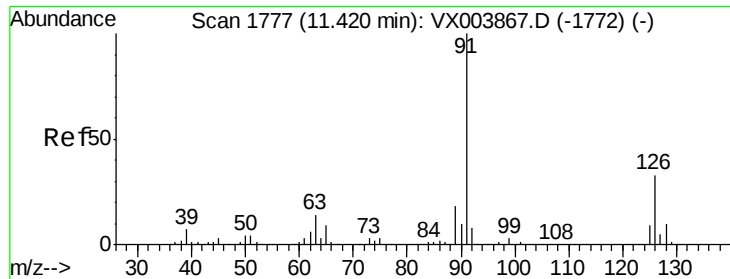
Tgt Ion:	91	Resp:	1134095
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





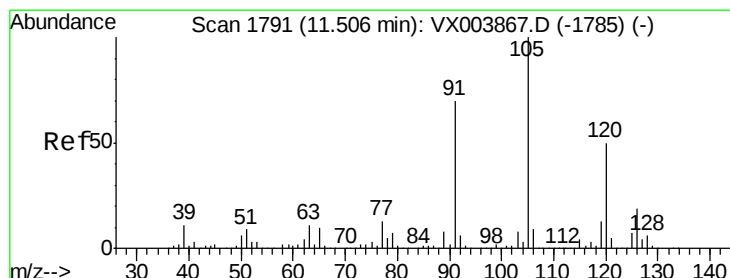
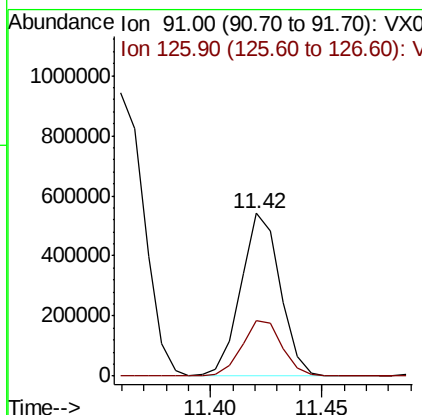
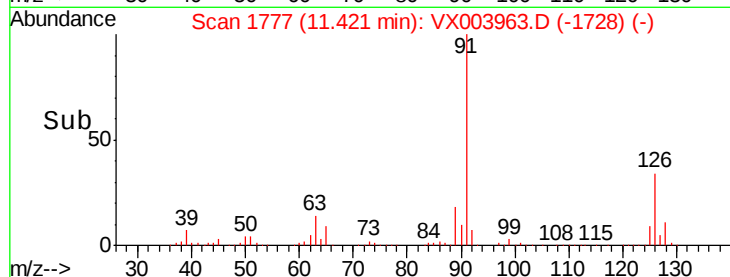
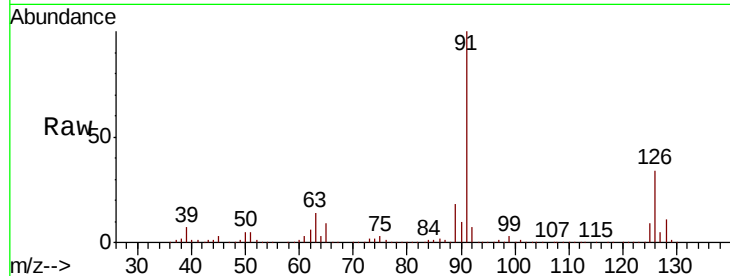
#79
 2-Chlorotoluene
 Concen: 48.75 ug/l
 RT: 11.42 min Scan# 1777
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 668860
 Ion Ratio Lower Upper
 91 100
 126 35.0 17.4 52.3

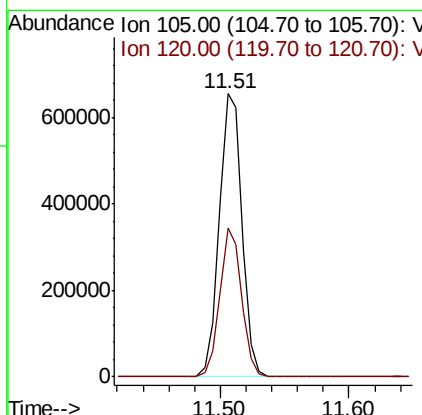
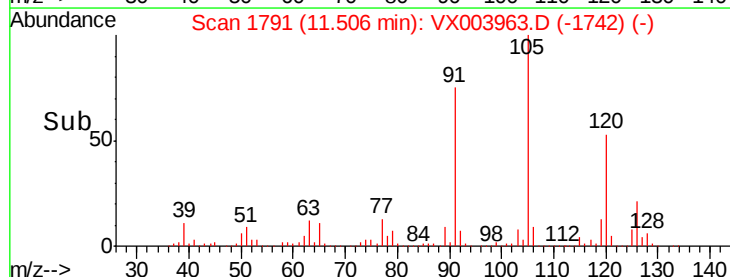
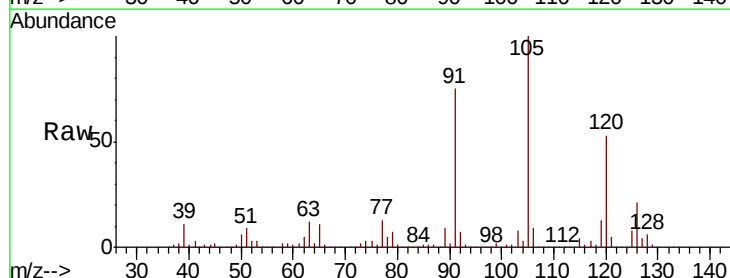
Manual Integrations
 APPROVED

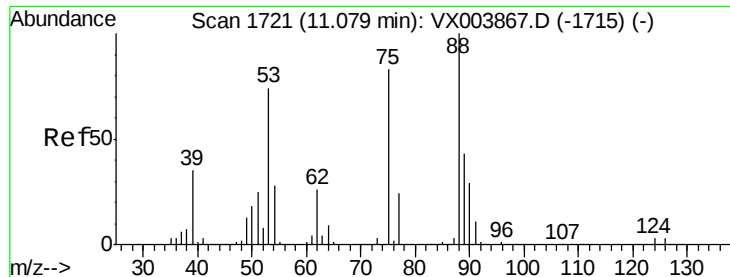
MMDadoda
 8/10/2018 10:56:44 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.76 ug/l
 RT: 11.51 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion: 105 Resp: 813067
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.4 76.2





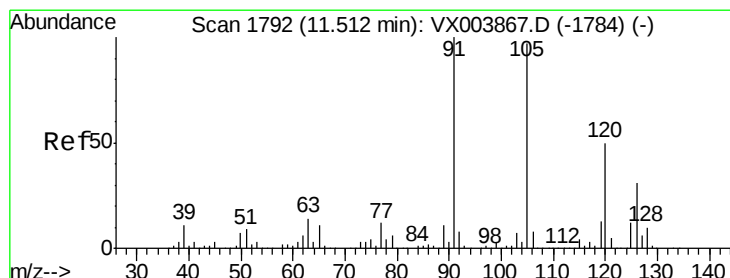
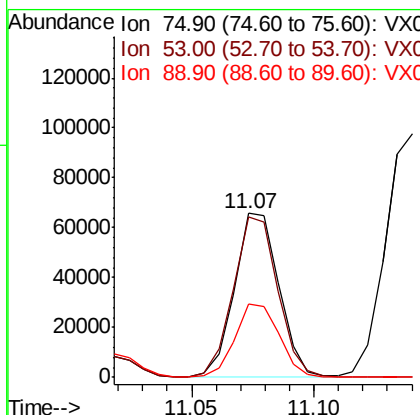
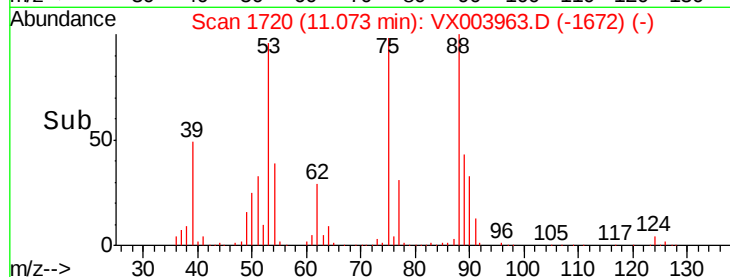
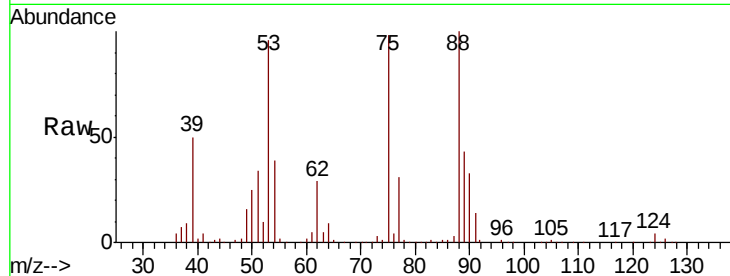
#81
trans-1,4-Dichloro-2-butene
Concen: 38.44 ug/l
RT: 11.07 min Scan# 1720
Delta R.T. -0.01 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.5	80.3	120.5
89	44.4	37.8	56.8

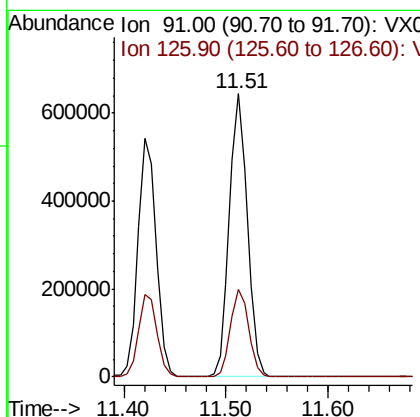
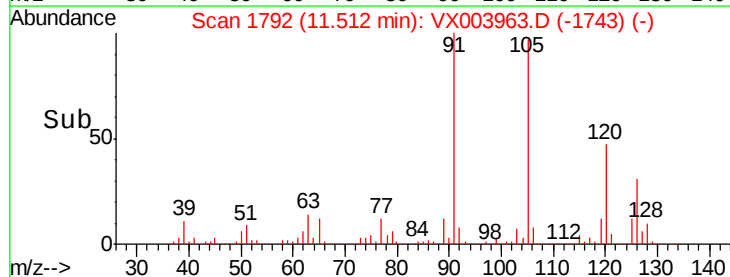
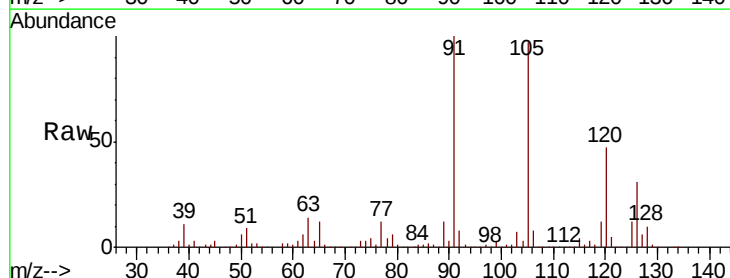
Manual Integrations
APPROVED

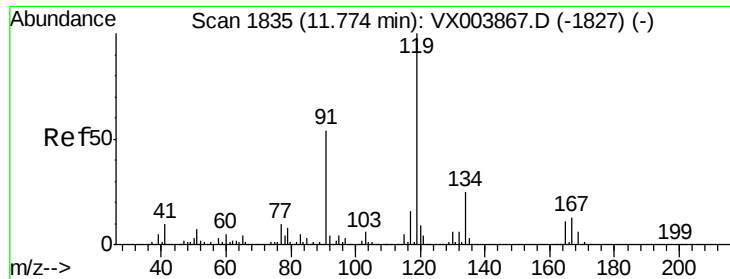
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#82
4-Chlorotoluene
Concen: 48.88 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.6	46.7





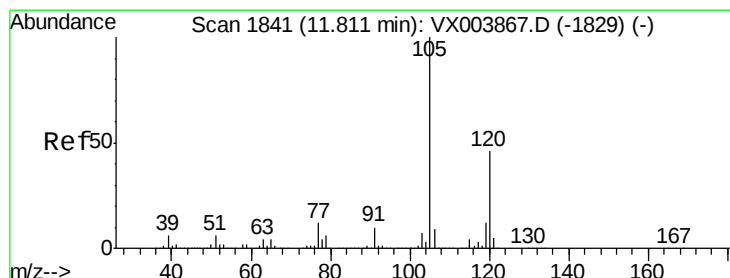
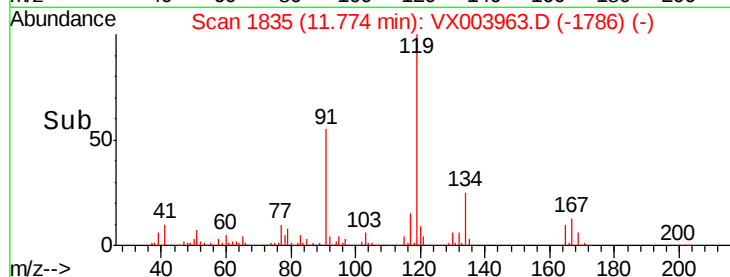
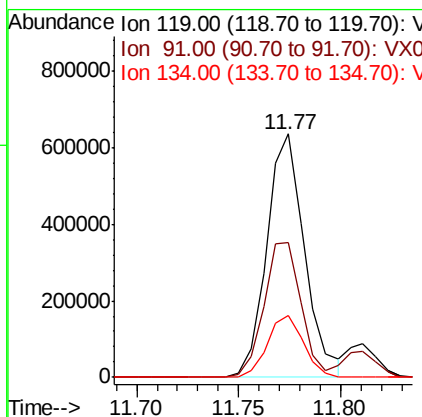
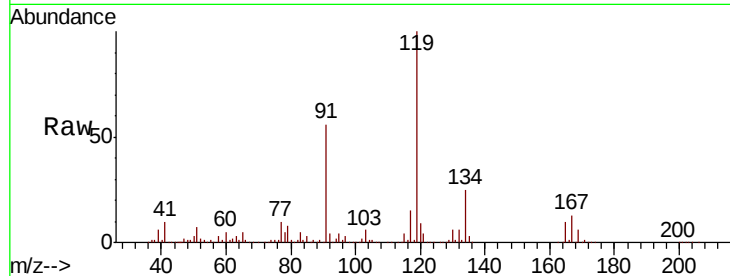
#83
 tert-Butylbenzene
 Concen: 51.18 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.5	26.9	80.7
134	24.2	12.0	36.0

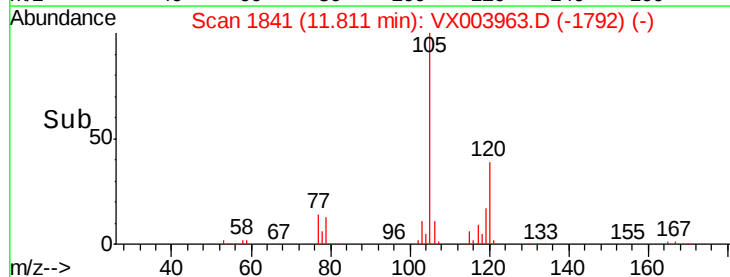
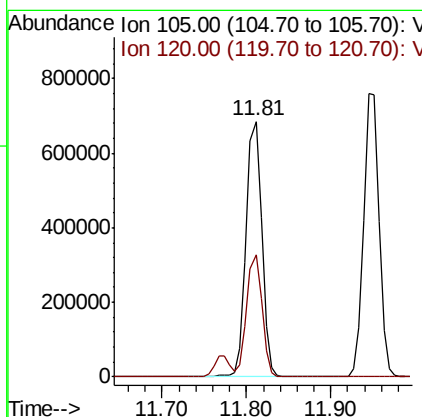
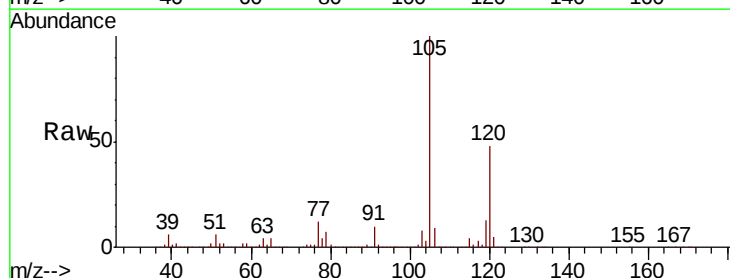
Manual Integrations
 APPROVED

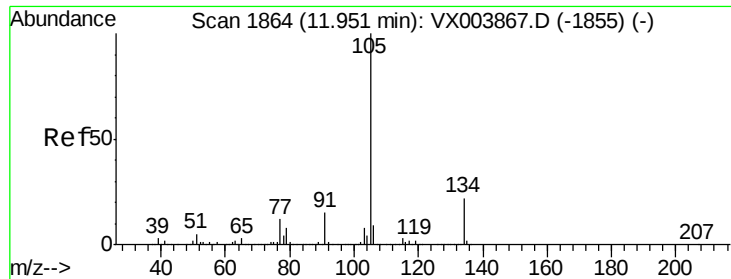
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.74 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.34 ug/l

RT: 11.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 973949

Ion Ratio Lower Upper

105 100

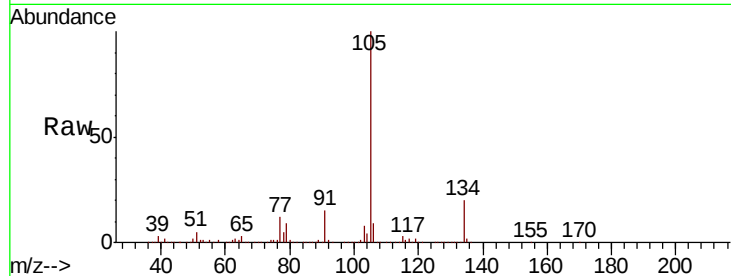
134 21.0 10.3 30.9

Manual Integrations

APPROVED

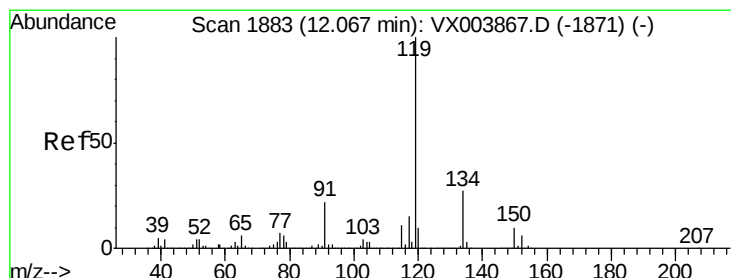
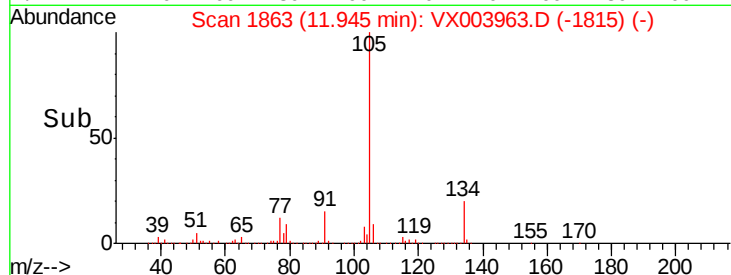
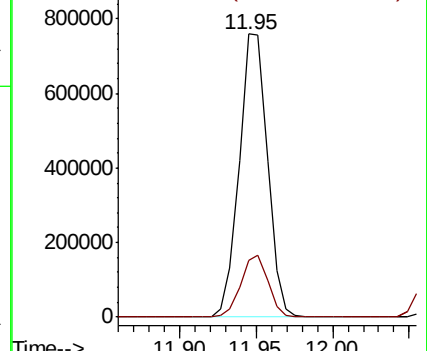
MMDadoda

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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: 50.69 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

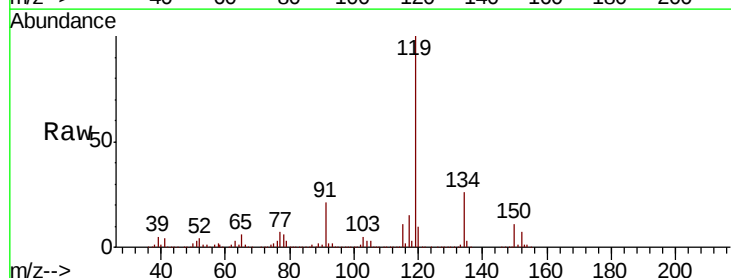
Tgt Ion:119 Resp: 862942

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

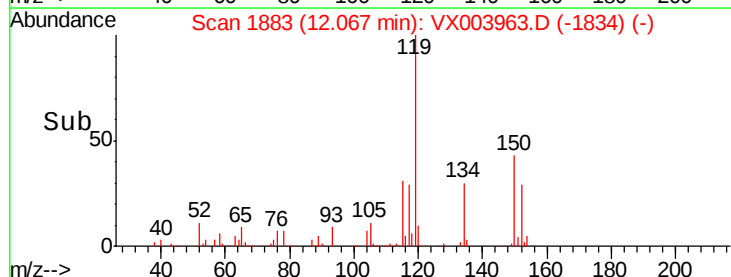
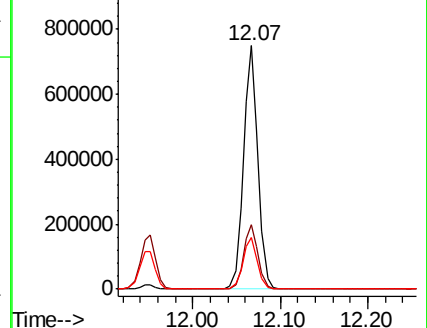
91 21.3 10.9 32.7

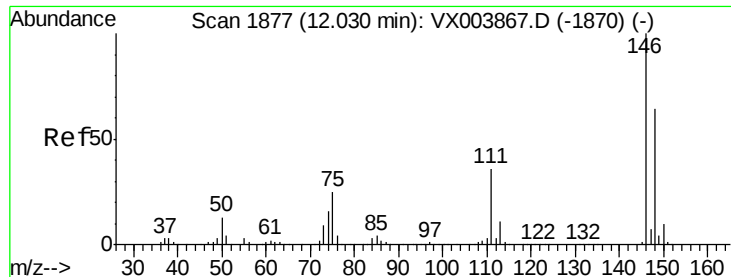


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 48.90 ug/l

RT: 12.02 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Instrument :

MSVOA_X

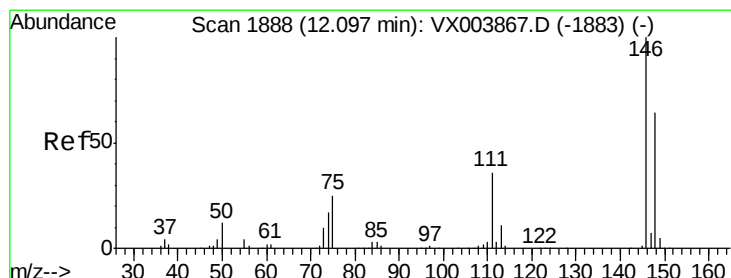
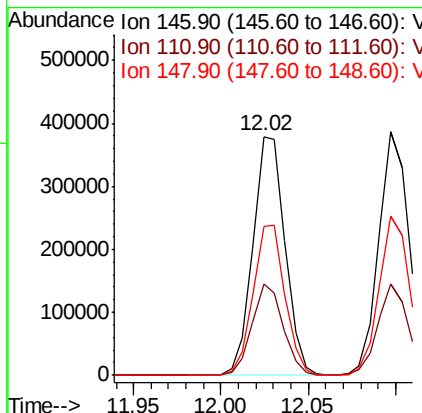
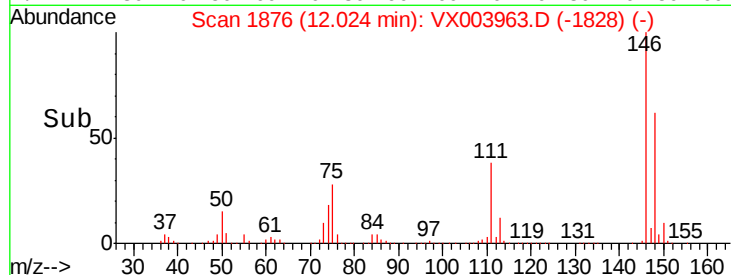
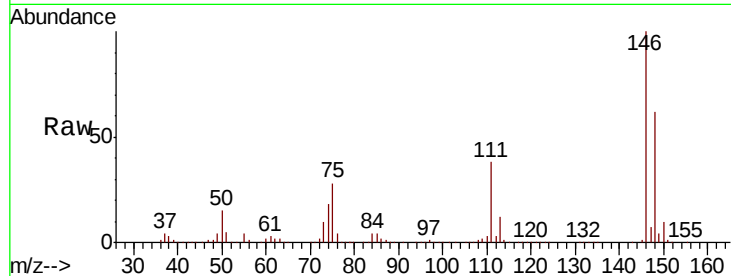
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	483278
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.8	56.4
148	62.7	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.08 ug/l

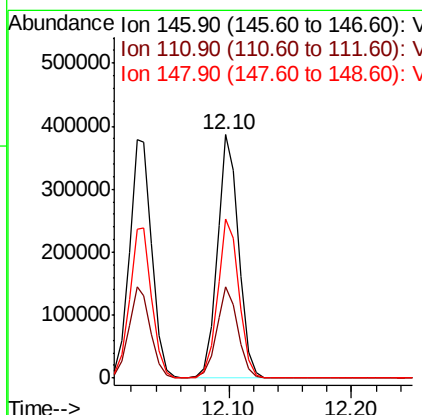
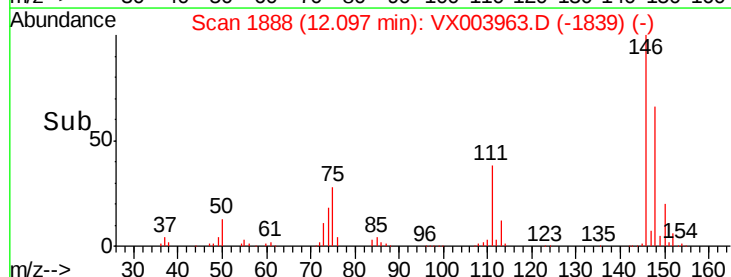
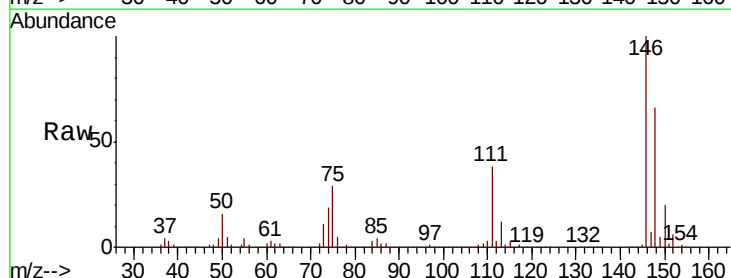
RT: 12.10 min Scan# 1888

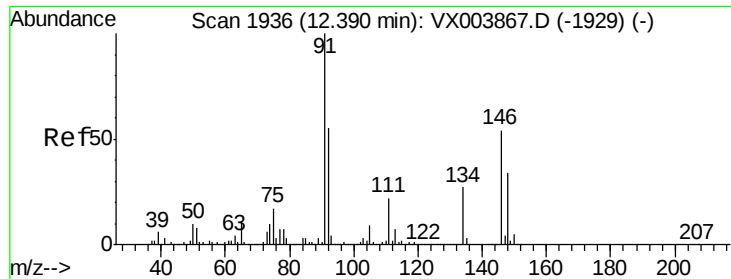
Delta R.T. 0.00 min

Lab File: VX003963.D

Acq: 09 Aug 2018 20:50

Tgt Ion:	146	Resp:	465153
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.4	55.0
148	65.9	32.3	96.8





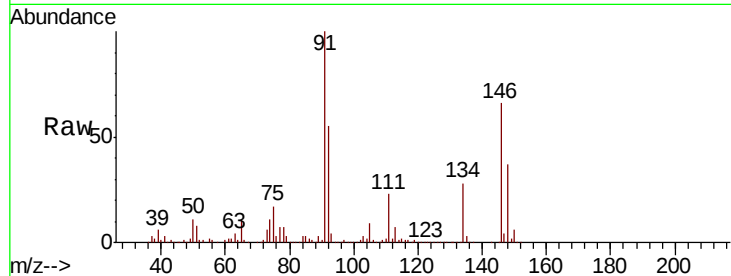
#89
n-Butylbenzene
Concen: 43.95 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	651901		
92	55.0		27.1	81.3
134	27.4		13.6	40.7

Manual Integrations
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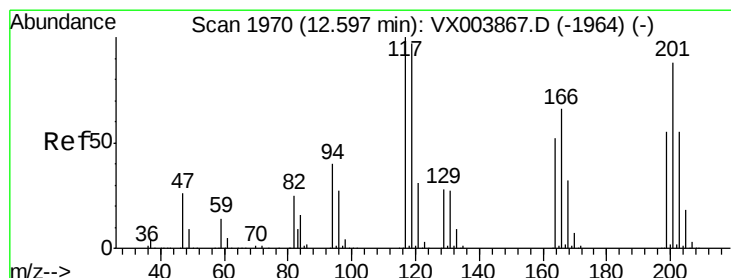
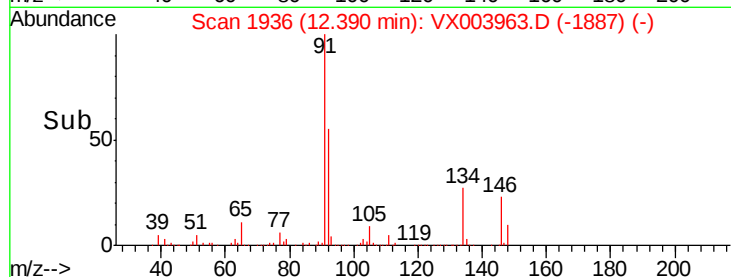
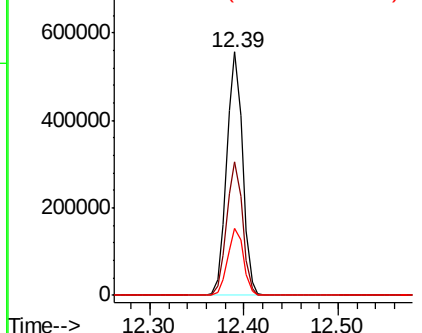


Abundance

Ion 91.00 (90.70 to 91.70): VX003867.D (-1929) (-)

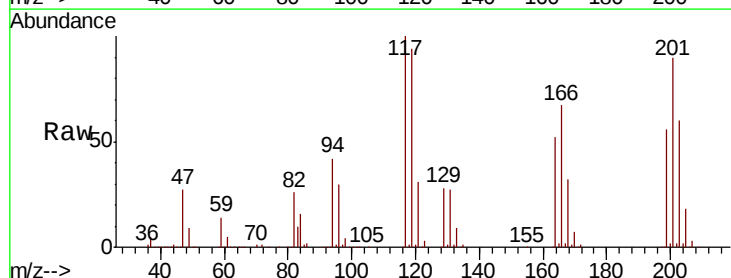
Ion 92.00 (91.70 to 92.70): VX003867.D (-1929) (-)

Ion 134.00 (133.70 to 134.70): VX003867.D (-1929) (-)



#90
Hexachloroethane
Concen: 46.04 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

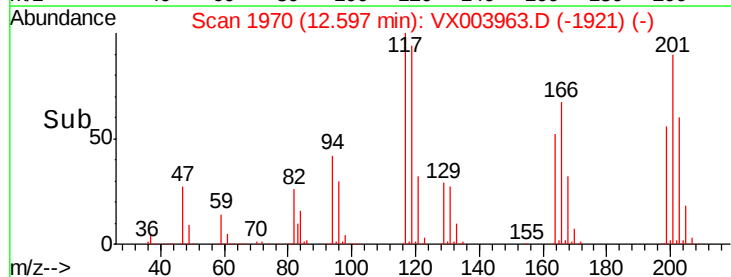
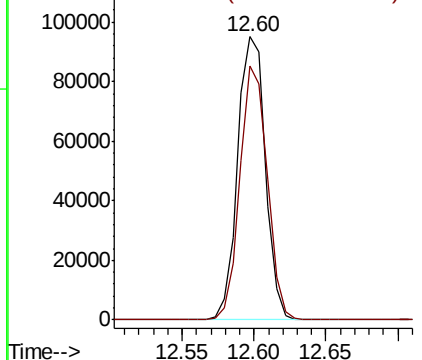
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	127250		
201	88.2		46.1	138.2

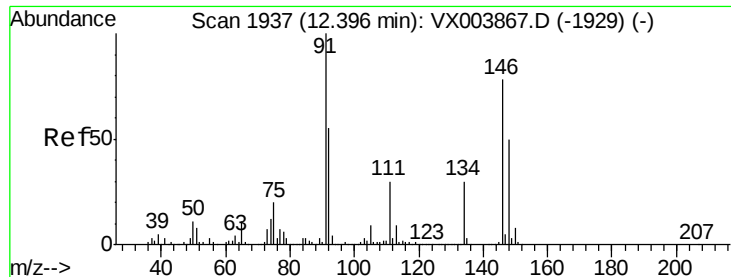


Abundance

Ion 116.80 (116.50 to 117.50): VX003867.D (-1964) (-)

Ion 200.70 (200.40 to 201.40): VX003867.D (-1964) (-)





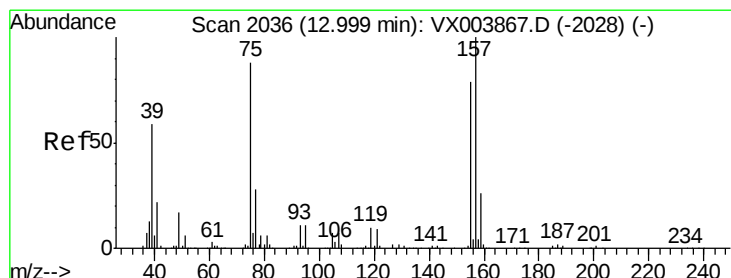
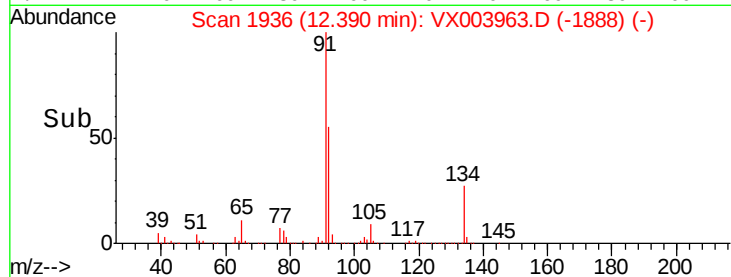
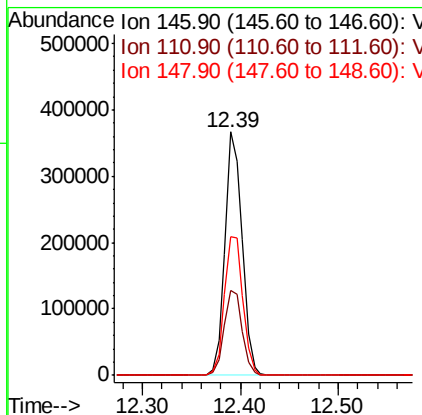
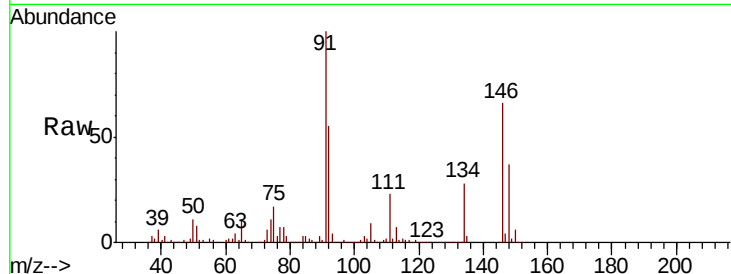
#91
 1,2-Dichlorobenzene
 Concen: 45.53 ug/l
 RT: 12.39 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	19.7	59.0
148	61.3	31.9	95.5

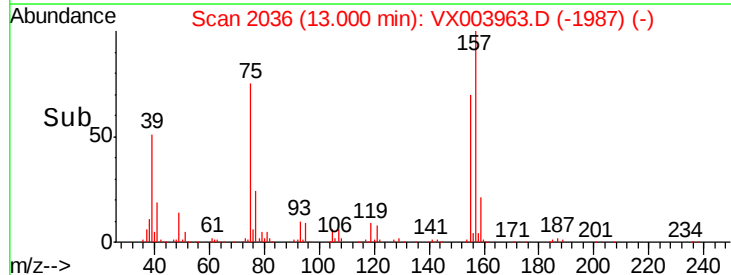
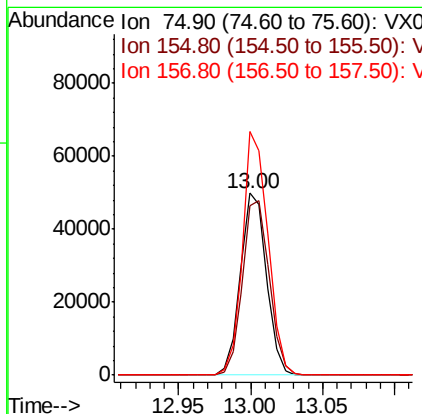
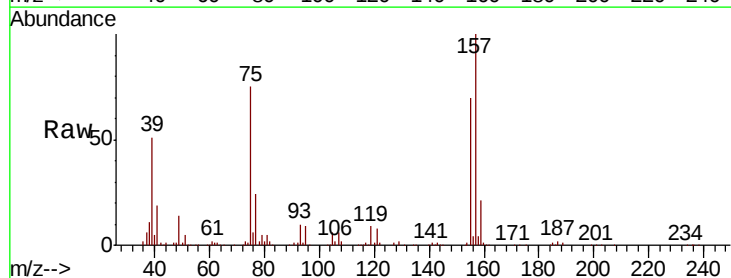
Manual Integrations
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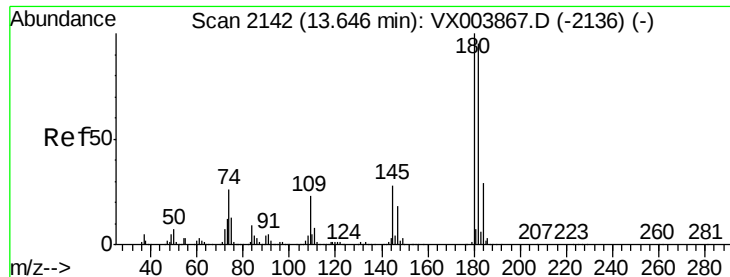
MMDadoda
 8/10/2018 10:56:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.37 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.5	48.7	146.1
157	130.0	62.6	187.8





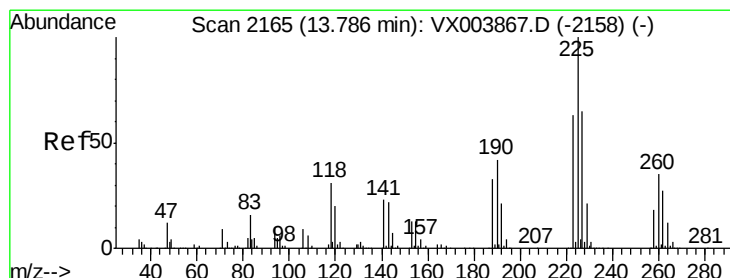
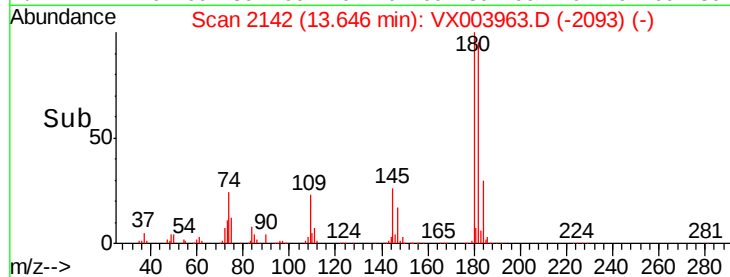
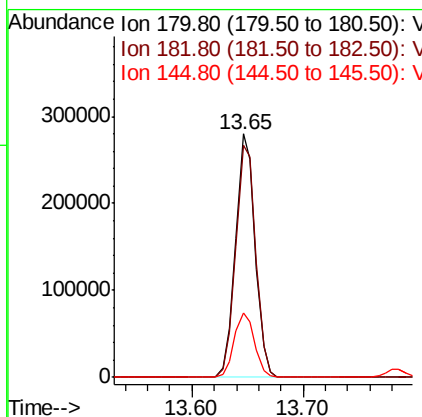
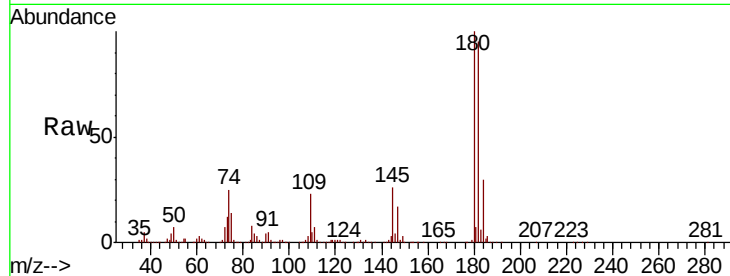
#93
 1,2,4-Trichlorobenzene
 Concen: 48.09 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.2	47.7	143.1	
145	27.6	13.9	41.6	

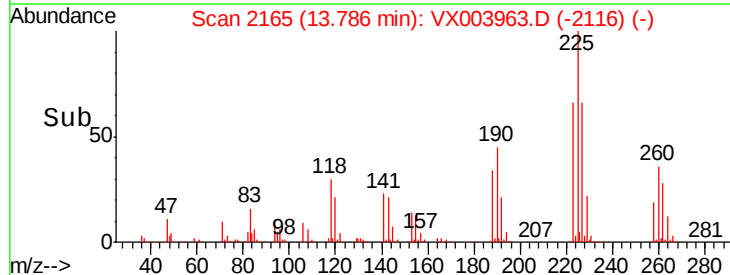
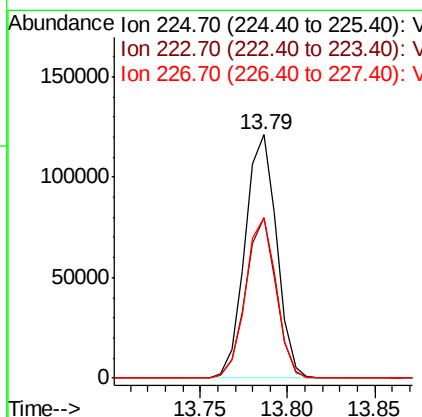
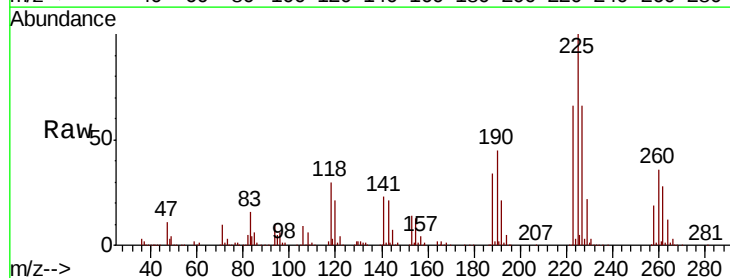
Manual Integrations
 APPROVED

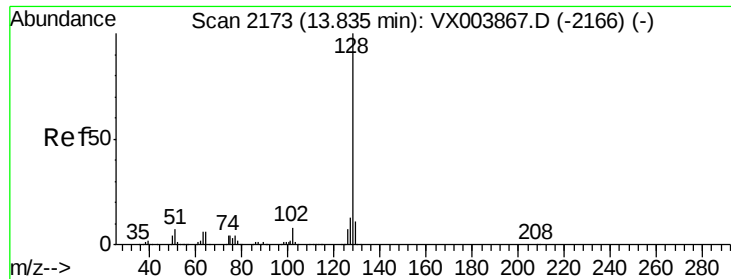
MMDadoda
 8/10/2018 10:56:44 AM



#94
 Hexachlorobutadiene
 Concen: 48.76 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003963.D
 Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.5	31.4	94.0	
227	64.5	32.1	96.5	





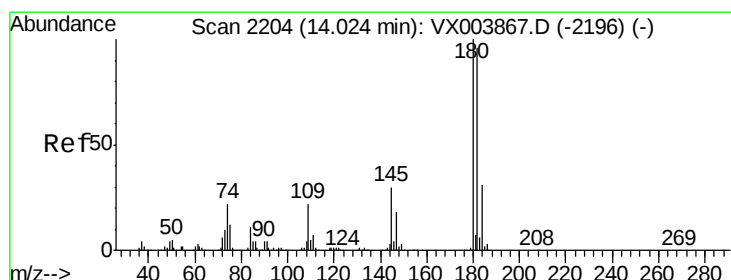
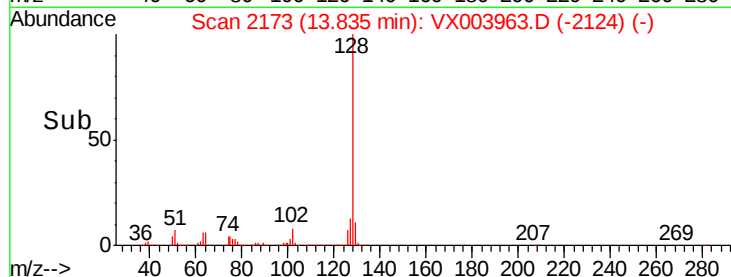
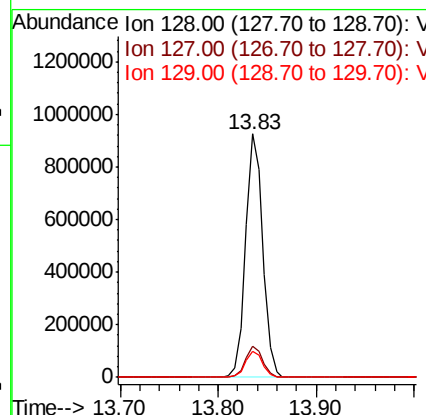
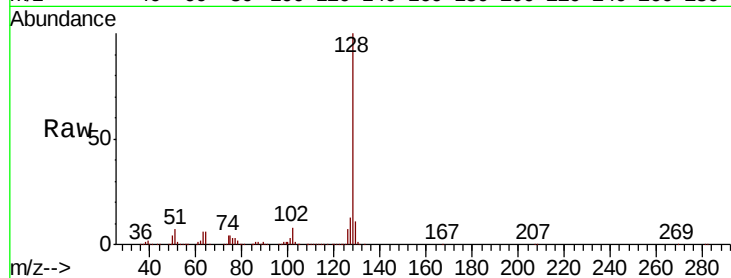
#95
Naphthalene
Concen: 55.44 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:56:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.58 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003963.D
Acq: 09 Aug 2018 20:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	48.1	144.4
145	29.9	14.9	44.7

