

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072018\
 Data File : VX003518.D
 Acq On : 20 Jul 2018 19:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:35:43 PM

Quant Time: Jul 20 23:40:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	288323	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	413485	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	393625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	185239	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
35) Dibromofluoromethane	5.51	113	164287	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	8.72	98	625987	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
62) 4-Bromofluorobenzene	11.14	95	228929	52.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	123301	53.923	ug/l	97
3) Chloromethane	1.32	50	161968	57.257	ug/l	99
4) Vinyl Chloride	1.40	62	177714	48.520	ug/l	99
5) Bromomethane	1.64	94	80272	55.358	ug/l	99
6) Chloroethane	1.71	64	113772	52.493	ug/l	99
7) Trichlorofluoromethane	1.92	101	249001	50.956	ug/l	98
8) Diethyl Ether	2.19	74	108668	51.778	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.38	101	157491	49.243	ug/l	98
10) Methyl Iodide	2.51	142	205330	53.442	ug/l	93
11) Tert butyl alcohol	3.08	59	191733	283.899	ug/l	99
12) 1,1-Dichloroethene	2.37	96	149939	50.916	ug/l	88
13) Acrolein	2.29	56	72347	237.092	ug/l	99
14) Allyl chloride	2.73	41	272951	52.359	ug/l	87
15) Acrylonitrile	3.15	53	468460	272.453	ug/l	97
16) Acetone	2.45	43	359249	278.668	ug/l #	87
17) Carbon Disulfide	2.57	76	401867	50.460	ug/l	98
18) Methyl Acetate	2.78	43	228392	56.197	ug/l	95
19) Methyl tert-butyl Ether	3.21	73	514381	53.491	ug/l	100
20) Methylene Chloride	2.85	84	172826	54.913	ug/l	91
21) trans-1,2-Dichloroethene	3.16	96	164401	50.175	ug/l	96
22) Diisopropyl ether	3.88	45	522244	53.239	ug/l	93
23) Vinyl Acetate	3.82	43	2160825	267.425	ug/l	97
24) 1,1-Dichloroethane	3.70	63	304207	52.857	ug/l	99
25) 2-Butanone	4.71	43	603368	278.952	ug/l	91
26) 2,2-Dichloropropane	4.58	77	188407	43.102	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	189441	51.927	ug/l	96
28) Bromochloromethane	5.02	49	134254	53.368	ug/l	88
29) Tetrahydrofuran	5.17	42	407906	285.479	ug/l	93
30) Chloroform	5.22	83	302920	53.900	ug/l	98
31) Cyclohexane	5.57	56	270420	52.587	ug/l #	91
32) 1,1,1-Trichloroethane	5.49	97	261190	54.272	ug/l	98
36) 1,1-Dichloropropene	5.80	75	226353	50.703	ug/l	98
37) Ethyl Acetate	4.87	43	229610	54.353	ug/l #	95
38) Carbon Tetrachloride	5.79	117	233836	53.400	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	269576	50.984	ug/l	95
40) Benzene	6.15	78	698066	51.790	ug/l	100
41) Methacrylonitrile	5.07	41	132187	53.241	ug/l	92
42) 1,2-Dichloroethane	6.20	62	231191	54.439	ug/l	96
43) Isopropyl Acetate	6.47	43	373687	55.609	ug/l	95
44) Trichloroethene	7.22	130	204086	50.772	ug/l	88
45) 1,2-Dichloropropane	7.52	63	182837	53.422	ug/l	99
46) Dibromomethane	7.67	93	118352	53.713	ug/l	99
47) Bromodichloromethane	7.90	83	220551	54.676	ug/l	97
48) Methyl methacrylate	7.78	41	196142	57.879	ug/l	87
49) 1,4-Dioxane	7.76	88	82981	1080.709	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	1251699	294.841	ug/l	93
52) Toluene	8.79	92	446328	52.607	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	266658	53.709	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	241534	54.096	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	177535	52.586	ug/l	98
56) Ethyl methacrylate	9.18	69	266327	56.007	ug/l #	85
57) 1,3-Dichloropropane	9.37	76	294618	53.986	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	630171	272.539	ug/l	98
59) 2-Hexanone	9.50	43	940734	299.077	ug/l	89
60) Dibromochloromethane	9.59	129	181191	54.221	ug/l	99
61) 1,2-Dibromoethane	9.68	107	188487	53.857	ug/l	100
64) Tetrachloroethene	9.34	164	235232	49.049	ug/l	97
65) Chlorobenzene	10.14	112	505823	49.875	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.23	131	181203	51.929	ug/l	99
67) Ethyl Benzene	10.26	91	849256	52.081	ug/l	100
68) m/p-Xylenes	10.36	106	667260	104.376	ug/l	96
69) o-Xylene	10.70	106	323229	52.287	ug/l	96
70) Styrene	10.71	104	543903	53.489	ug/l	97
71) Bromoform	10.86	173	142012	52.380	ug/l #	99
73) Isopropylbenzene	11.02	105	862006	52.147	ug/l	100
74) N-amyl acetate	6.47	43	373687	53.239	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	258592	53.383	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	263667m	61.405	ug/l	
77) Bromobenzene	11.26	156	232399	48.881	ug/l	98
78) n-propylbenzene	11.37	91	970144	52.797	ug/l	99
79) 2-Chlorotoluene	11.43	91	573398	51.403	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	713738	52.538	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.08	75	72896	48.301	ug/l	88
82) 4-Chlorotoluene	11.51	91	671628	51.384	ug/l	98
83) tert-Butylbenzene	11.77	119	686485	51.599	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	730355	52.834	ug/l	97
85) sec-Butylbenzene	11.95	105	841064	52.047	ug/l	100
86) p-Isopropyltoluene	12.07	119	762420	52.572	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	423761	48.488	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	428607	47.608	ug/l	99
89) n-Butylbenzene	12.39	91	637343	51.755	ug/l	99
90) Hexachloroethane	12.60	117	107399	52.095	ug/l	100
91) 1,2-Dichlorobenzene	12.40	146	427154	49.591	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	53560	56.815	ug/l	93

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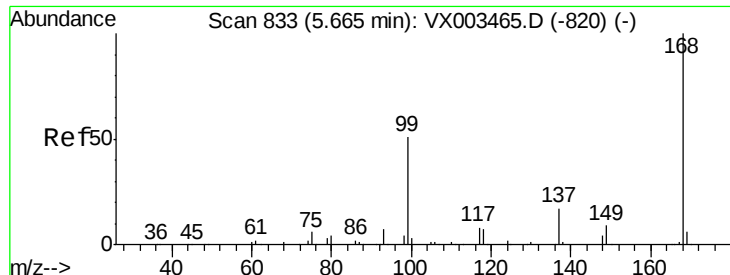
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	304250	48.196	ug/l	99
94) Hexachlorobutadiene	13.79	225	141149	46.492	ug/l	99
95) Naphthalene	13.83	128	878019	52.930	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	309304	49.494	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 288323

Ion Ratio Lower Upper

168 100

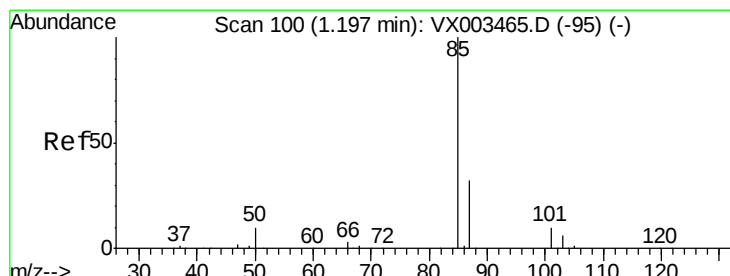
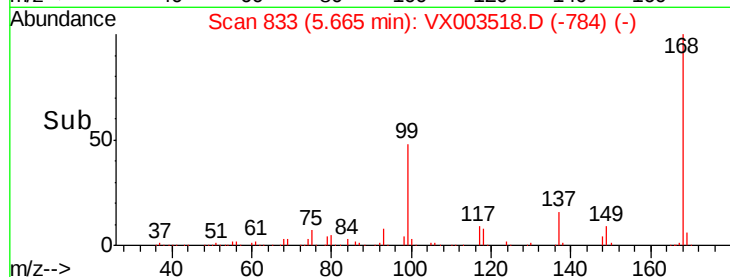
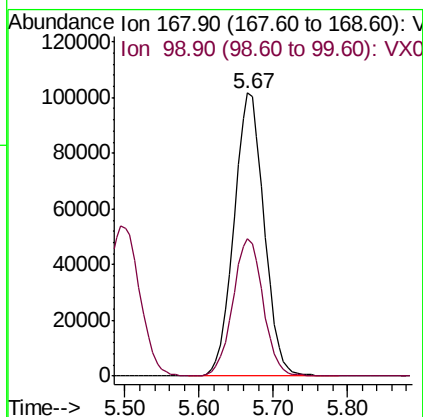
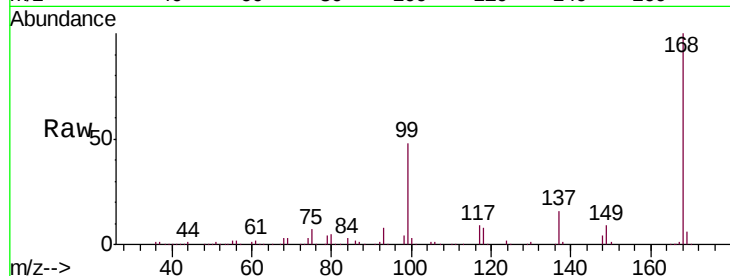
99 48.2 39.3 58.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 53.923 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003518.D

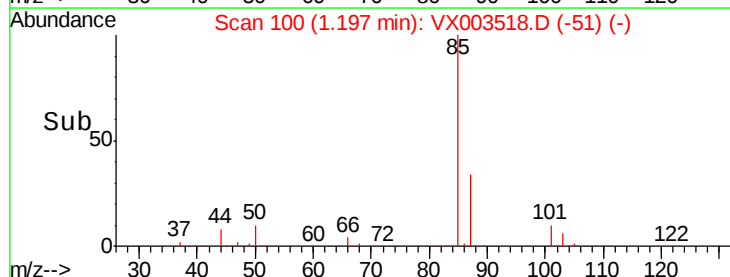
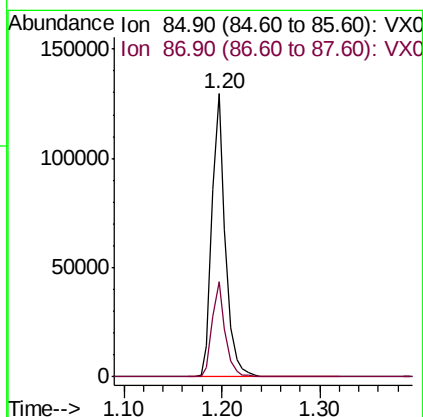
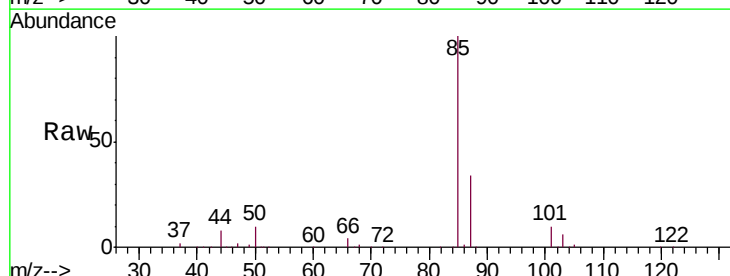
Acq: 20 Jul 2018 19:11

Tgt Ion: 85 Resp: 123301

Ion Ratio Lower Upper

85 100

87 33.6 16.0 47.9





#3

Chloromethane

Concen: 57.257 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 161968

Ion Ratio Lower Upper

50 100

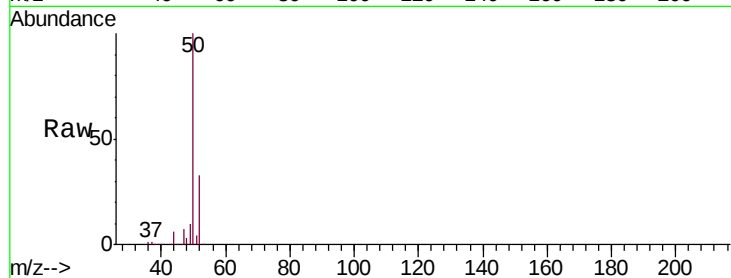
52 32.5 25.7 38.5

Manual Integrations

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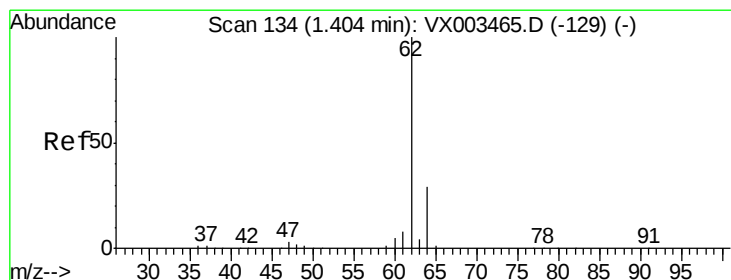
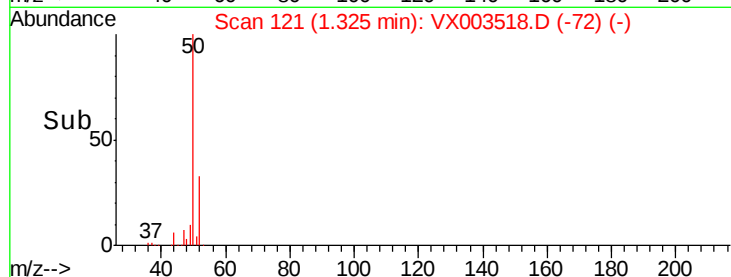
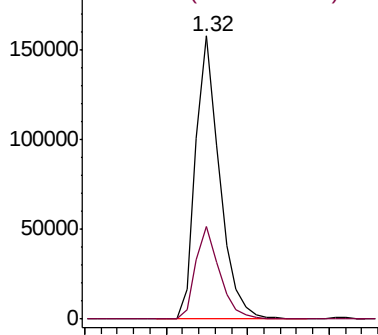
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 48.520 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003518.D

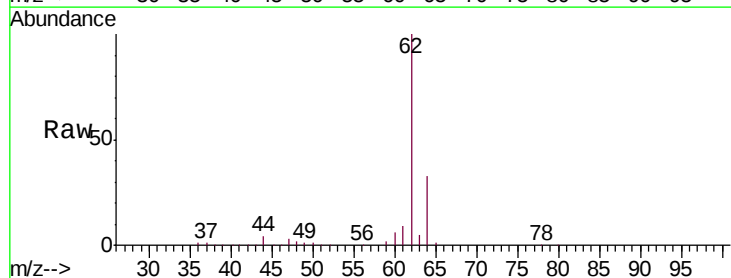
Acq: 20 Jul 2018 19:11

Tgt Ion: 62 Resp: 177714

Ion Ratio Lower Upper

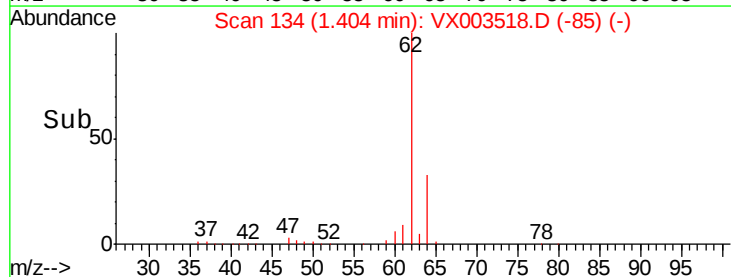
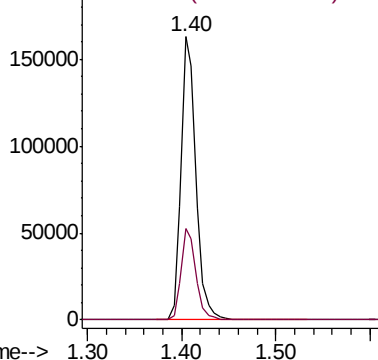
62 100

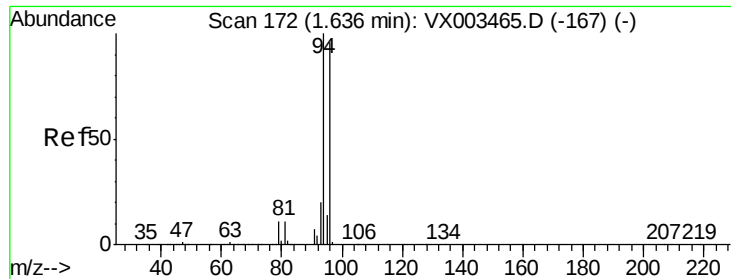
64 32.5 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.358 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 80272

Ion Ratio Lower Upper

94 100

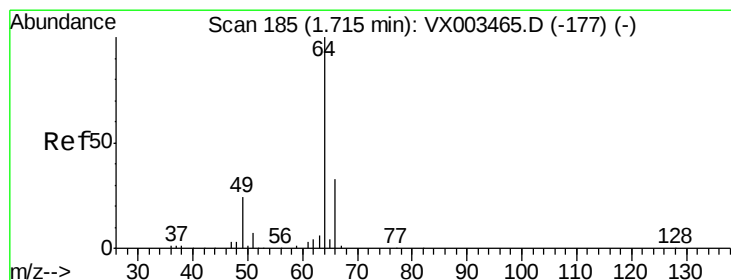
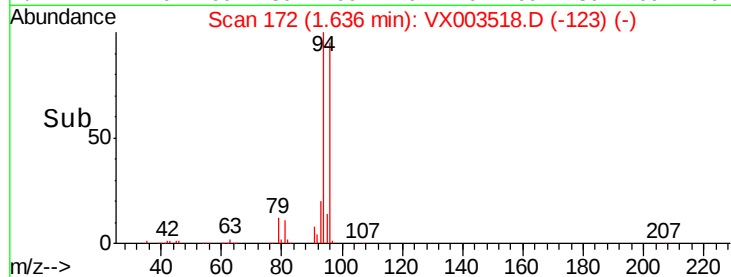
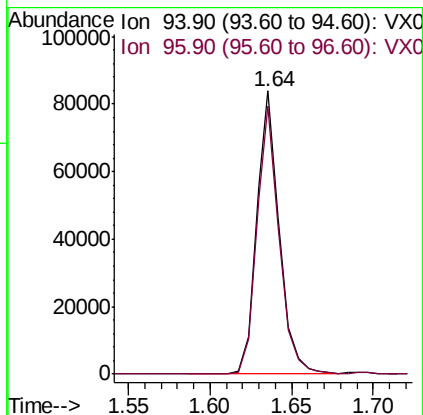
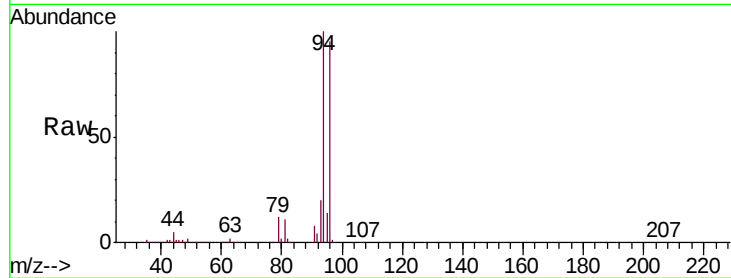
96 94.7 74.9 112.3

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#6

Chloroethane

Concen: 52.493 ug/l

RT: 1.71 min Scan# 185

Delta R.T. 0.00 min

Lab File: VX003518.D

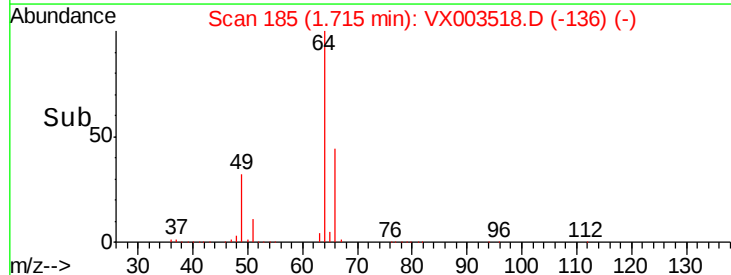
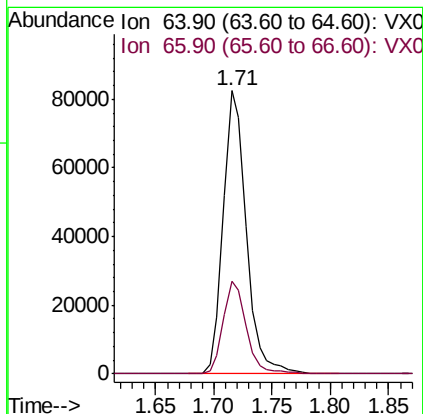
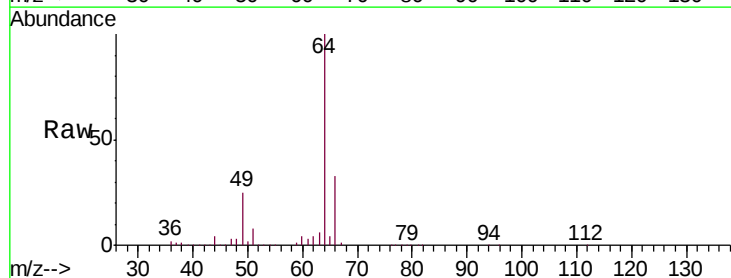
Acq: 20 Jul 2018 19:11

Tgt Ion: 64 Resp: 113772

Ion Ratio Lower Upper

64 100

66 32.7 25.5 38.3





#7

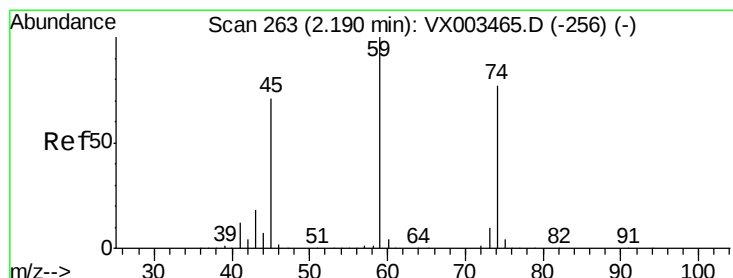
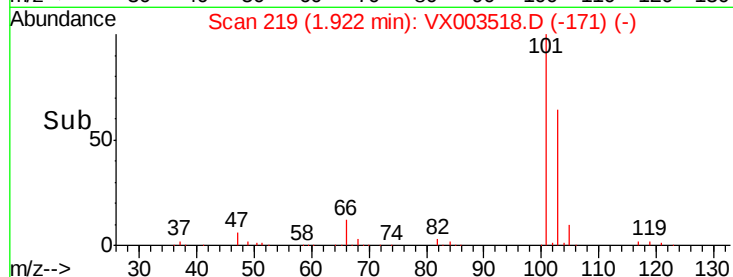
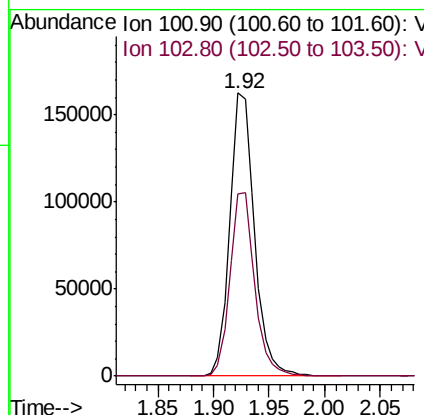
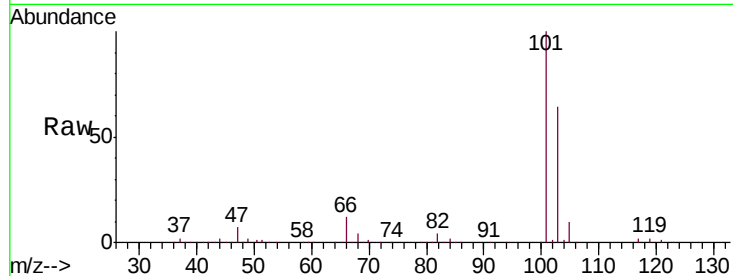
Trichlorofluoromethane
Concen: 50.956 ug/l
RT: 1.92 min Scan# 219
Delta R.T. -0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.8	79.2

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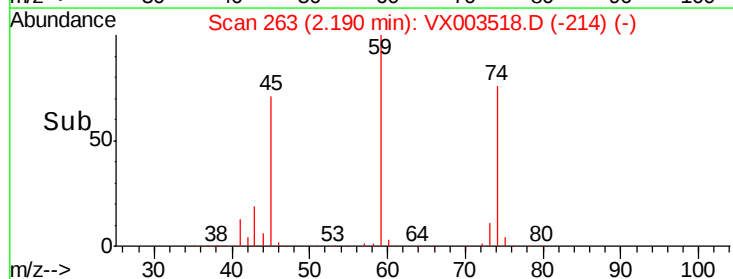
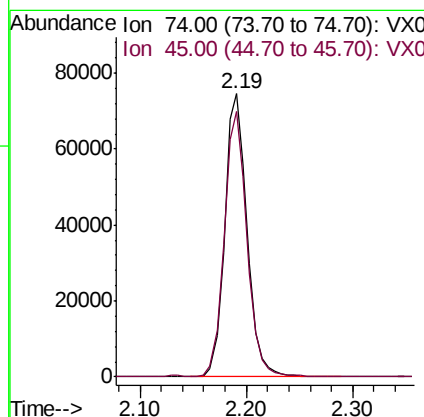
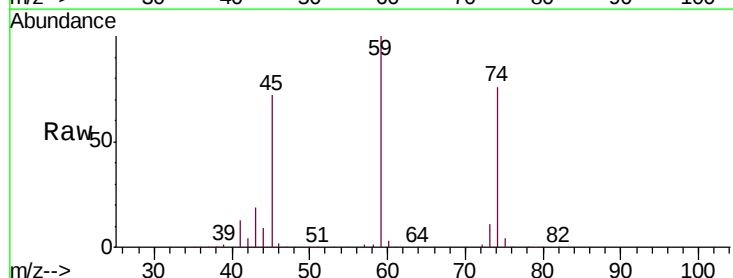
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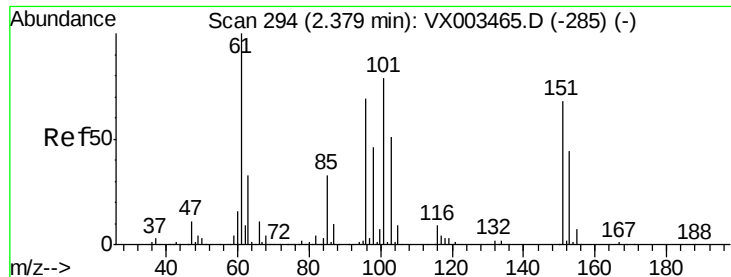


#8

Diethyl Ether
Concen: 51.778 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003518.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.7	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.243 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

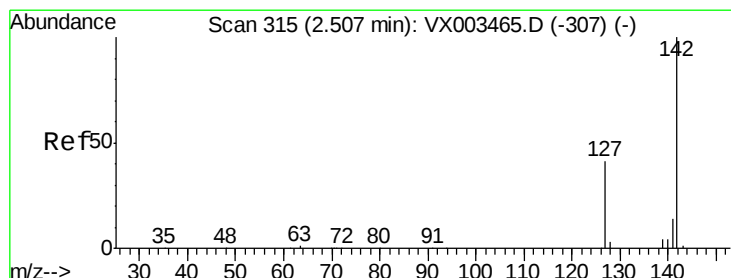
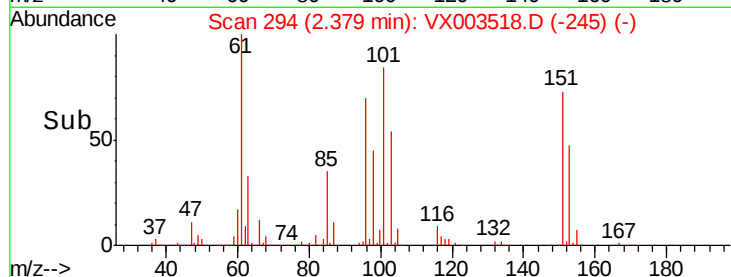
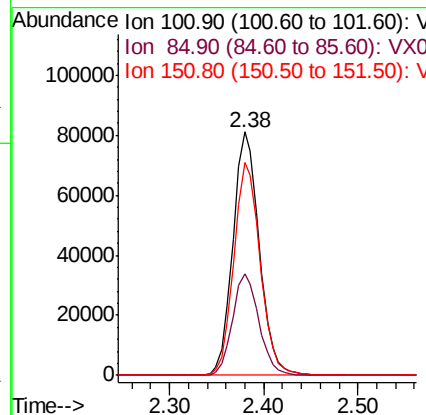
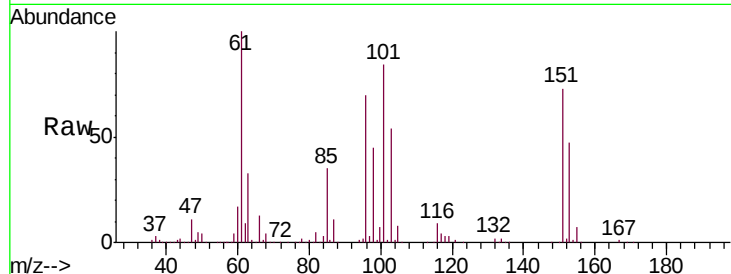
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	157491
Ion Ratio	Lower	Upper	
101	100		
85	41.9	36.0	54.0
151	87.7	70.9	106.3

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#10

Methyl Iodide

Concen: 53.442 ug/l

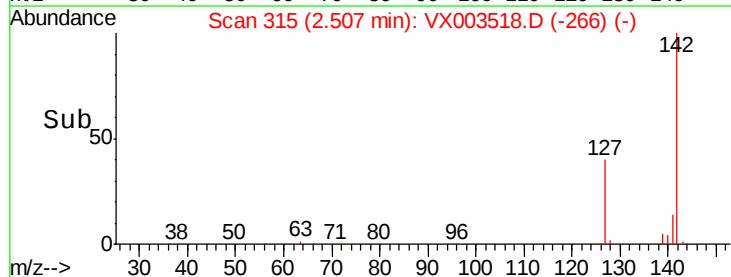
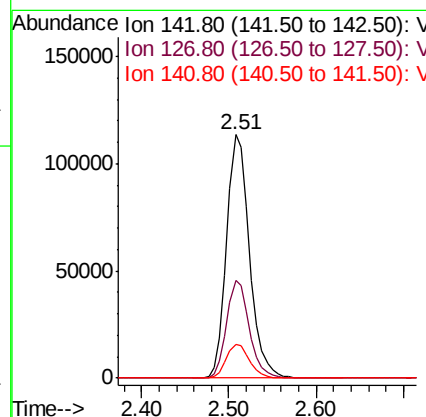
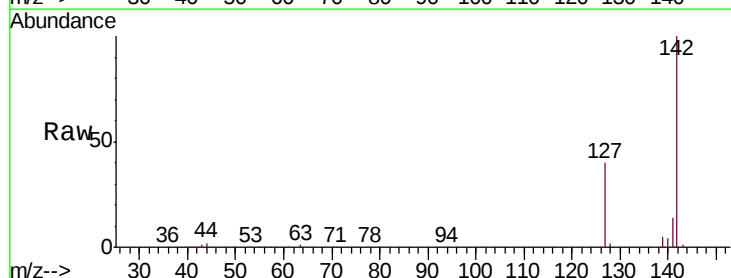
RT: 2.51 min Scan# 315

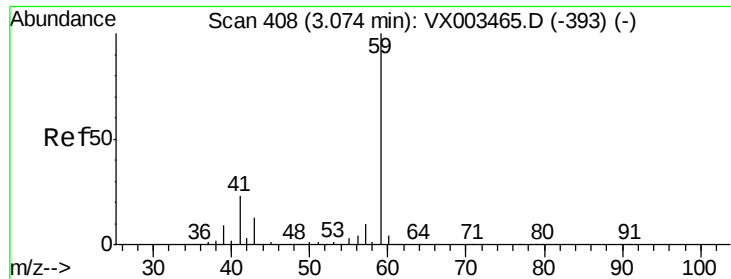
Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion:	142	Resp:	205330
Ion Ratio	Lower	Upper	
142	100		
127	39.9	36.6	55.0
141	14.2	11.3	16.9





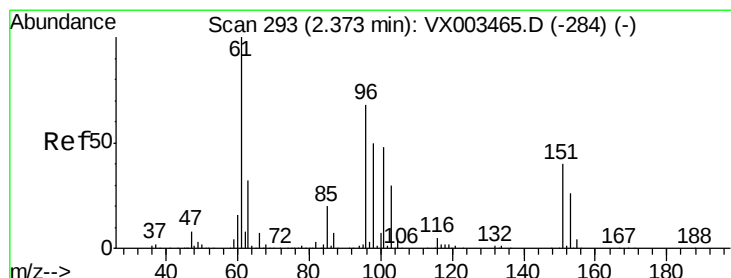
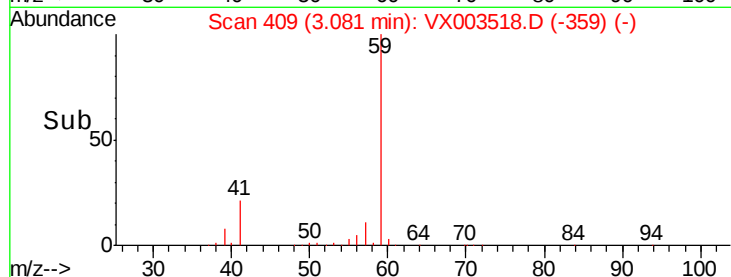
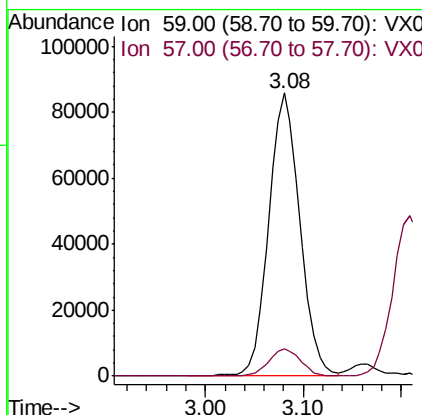
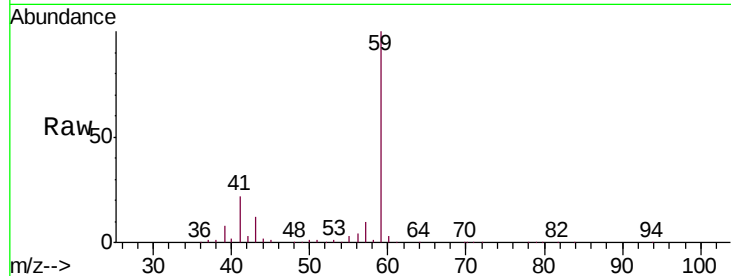
#11
Tert butyl alcohol
Concen: 283.899 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	191733		
57	9.9	8.2	12.2	

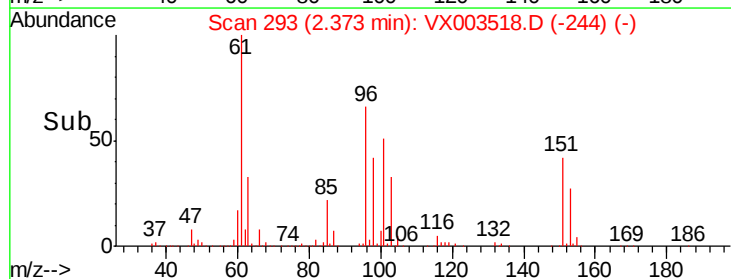
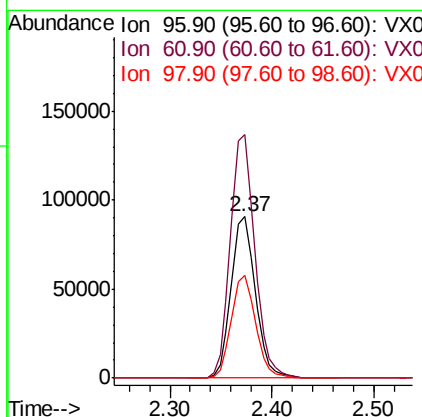
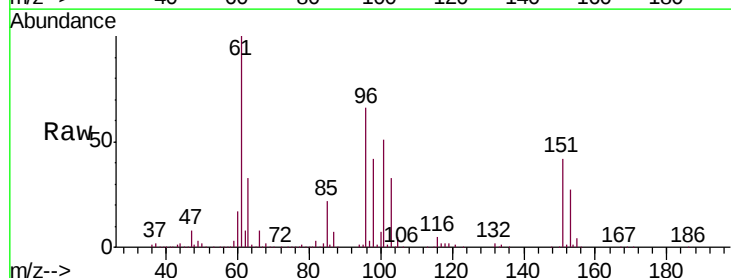
Manual Integrations
APPROVED

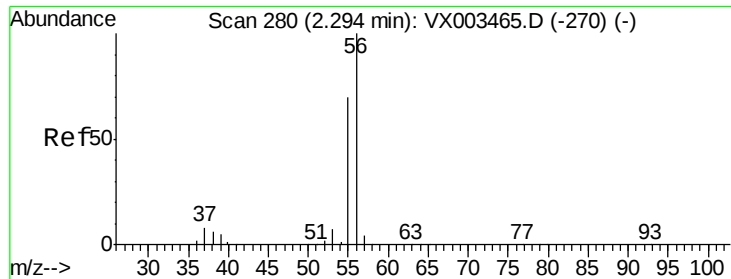
MMDadoda
7/23/2018 12:35:43 PM



#12
1,1-Dichloroethene
Concen: 50.916 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	149939		
61	150.6	137.9	206.9	
98	63.6	51.6	77.4	





#13

Acrolein

Concen: 237.092 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 72347

Ion Ratio Lower Upper

56 100

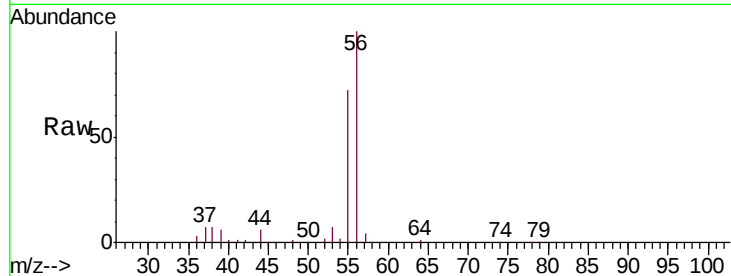
55 70.8 57.0 85.4

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

40000

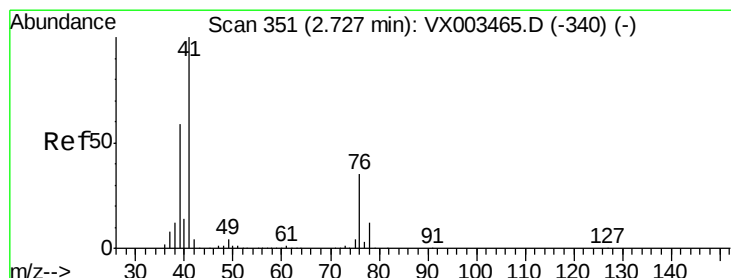
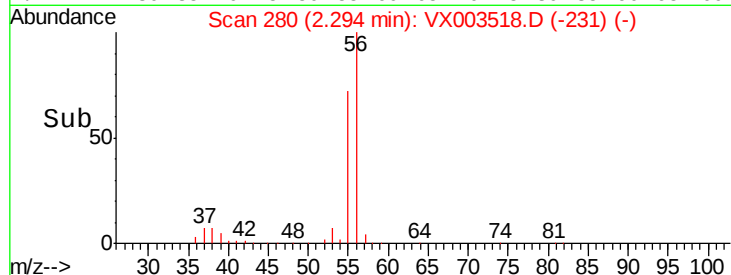
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 52.359 ug/l

RT: 2.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

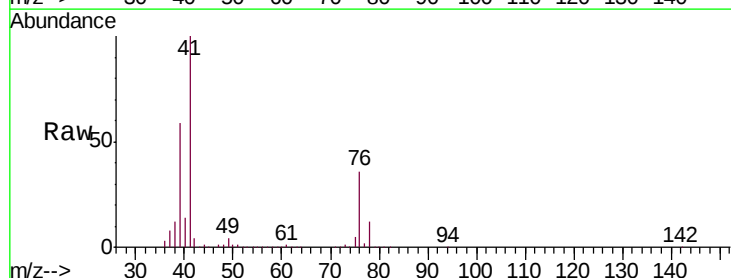
Tgt Ion: 41 Resp: 272951

Ion Ratio Lower Upper

41 100

39 58.2 56.8 85.2

76 33.2 23.8 35.8



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

300000

250000

200000

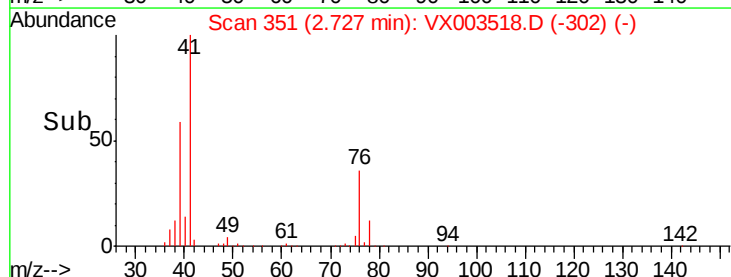
150000

100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 272.453 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

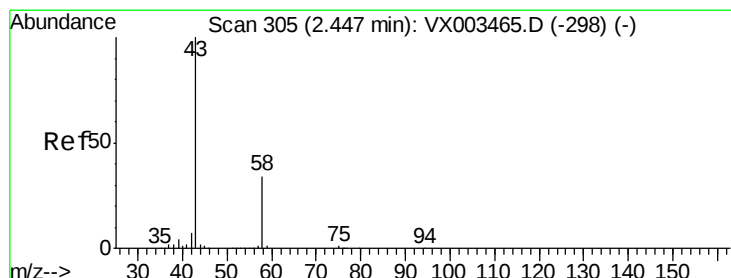
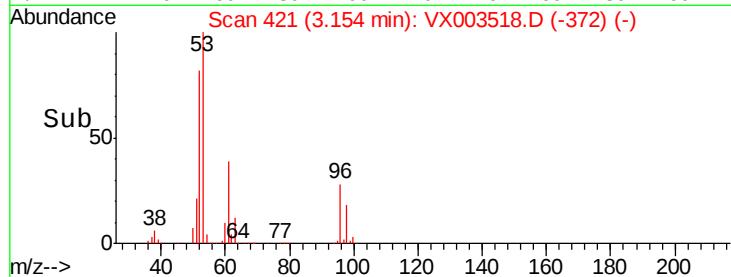
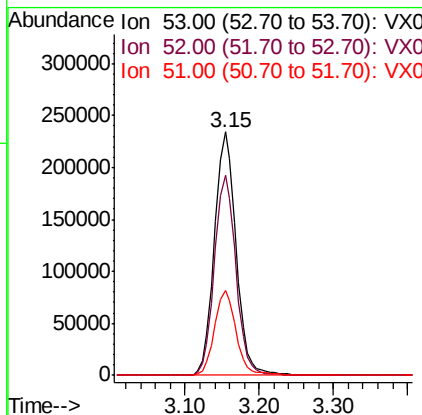
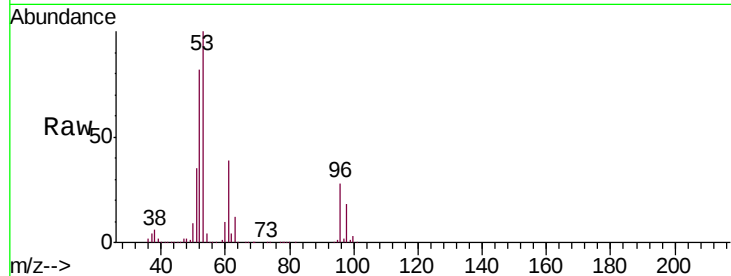
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	468460
Ion Ratio	Lower	Upper	
53	100		
52	81.7	66.7	100.1
51	35.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 278.668 ug/l

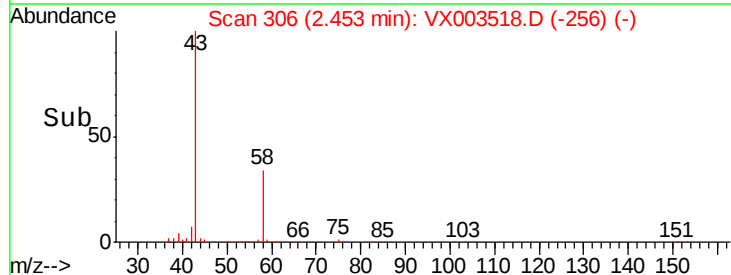
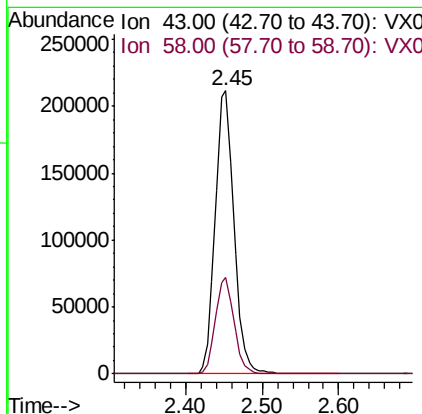
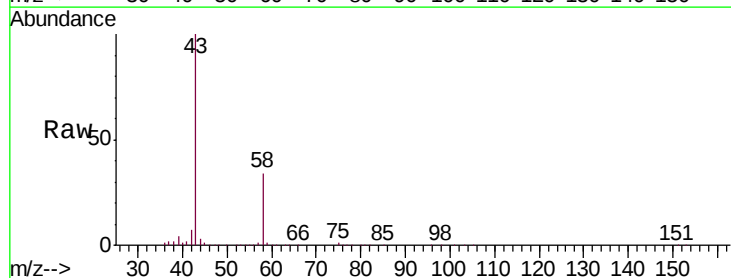
RT: 2.45 min Scan# 306

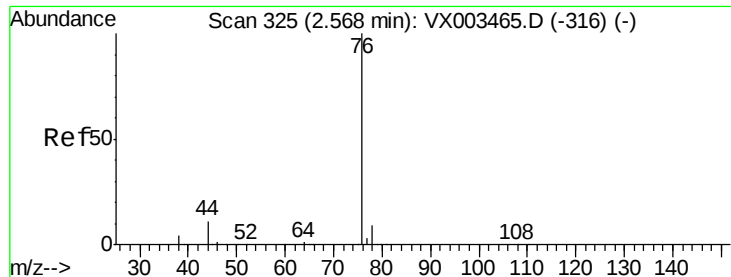
Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion:	43	Resp:	359249
Ion Ratio	Lower	Upper	
43	100		
58	34.2	22.1	33.1#





#17

Carbon Disulfide

Concen: 50.460 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 401867

Ion Ratio Lower Upper

76 100

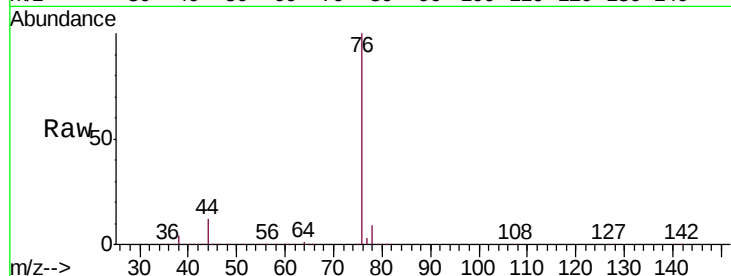
78 9.5 6.9 10.3

Manual Integrations

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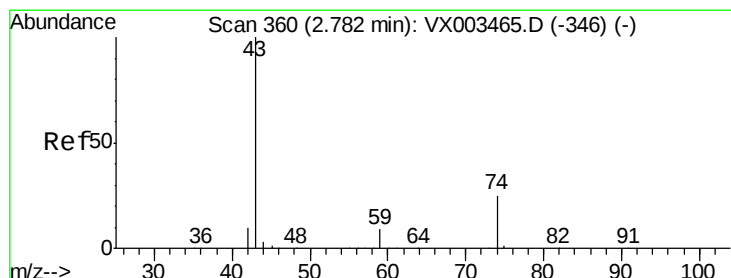
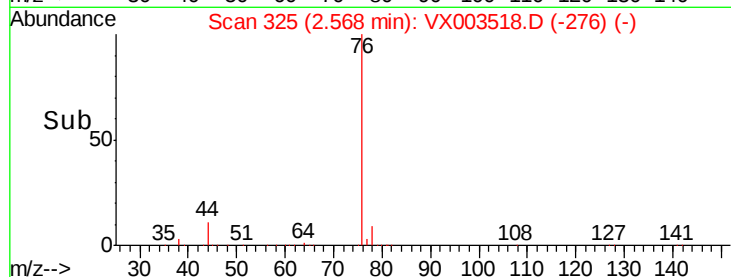
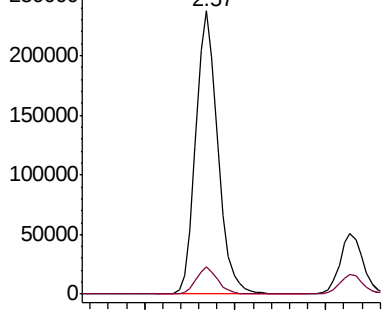
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 56.197 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003518.D

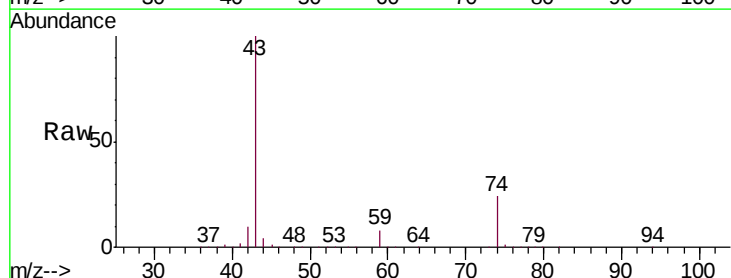
Acq: 20 Jul 2018 19:11

Tgt Ion: 43 Resp: 228392

Ion Ratio Lower Upper

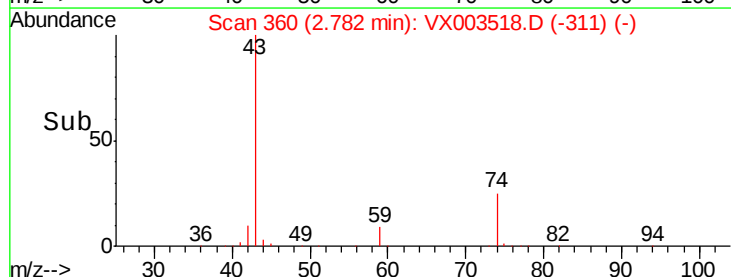
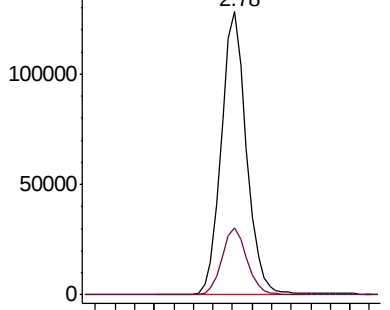
43 100

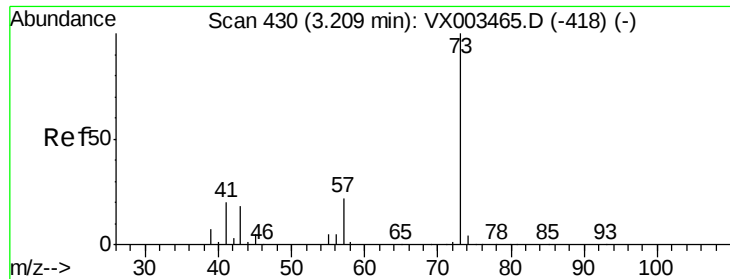
74 23.4 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#19

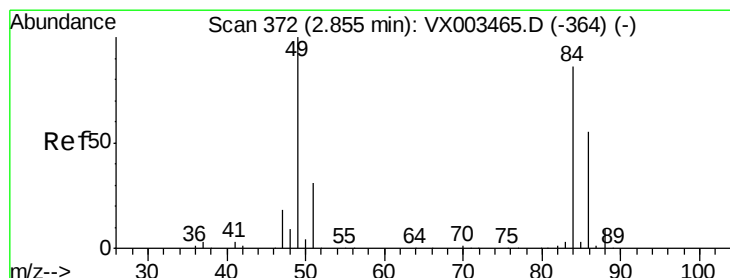
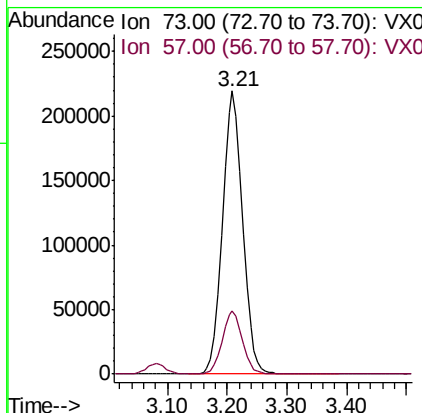
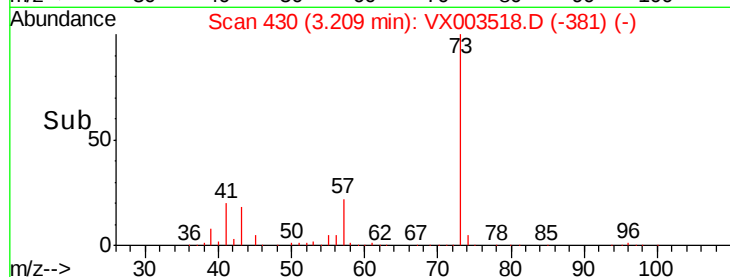
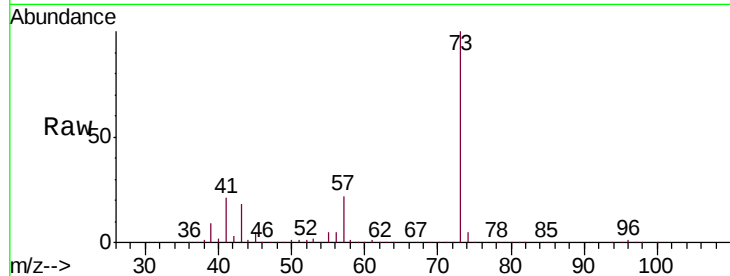
Methyl tert-butyl Ether
 Concen: 53.491 ug/l
 RT: 3.21 min Scan# 430
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.7	26.5

Manual Integrations
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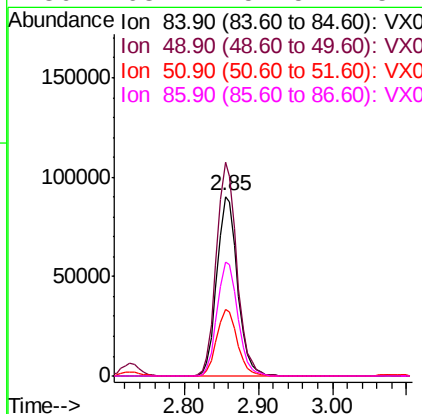
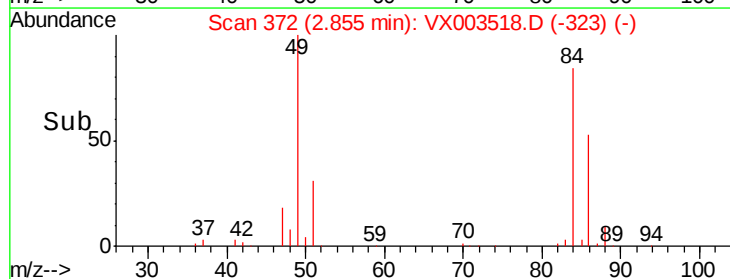
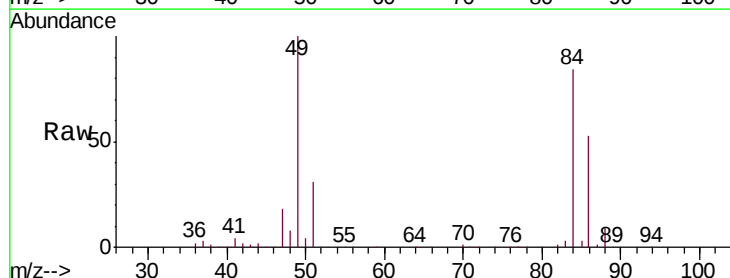
MMDadoda
 7/23/2018 12:35:43 PM



#20

Methylene Chloride
 Concen: 54.913 ug/l
 RT: 2.85 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.9	107.8	161.6
51	36.8	32.8	49.2
86	63.4	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 50.175 ug/l

RT: 3.16 min Scan# 422

Delta R.T. -0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

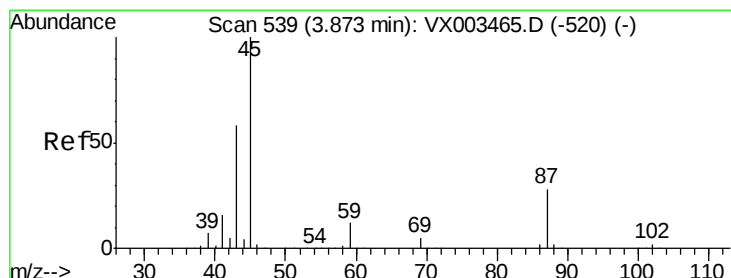
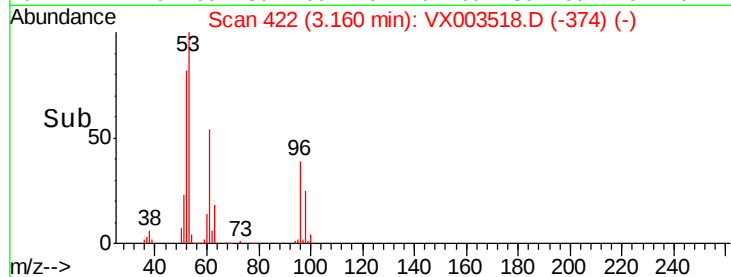
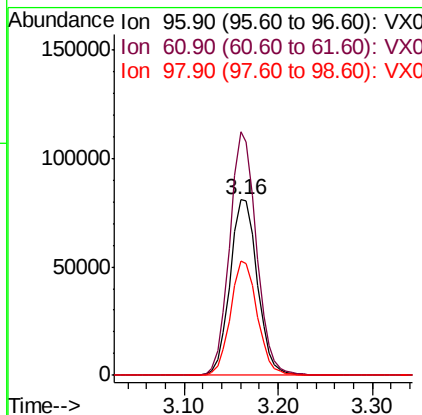
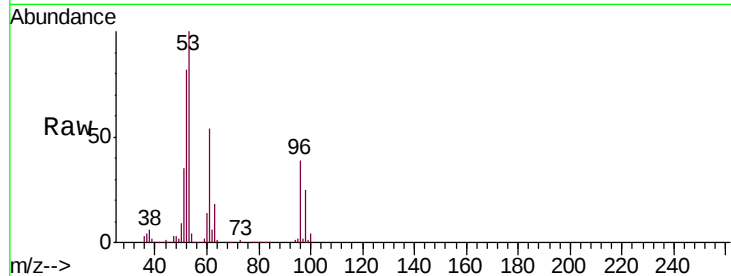
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	164401
Ion Ratio	Lower	Upper	
96	100		
61	138.6	117.0	175.4
98	65.1	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 53.239 ug/l

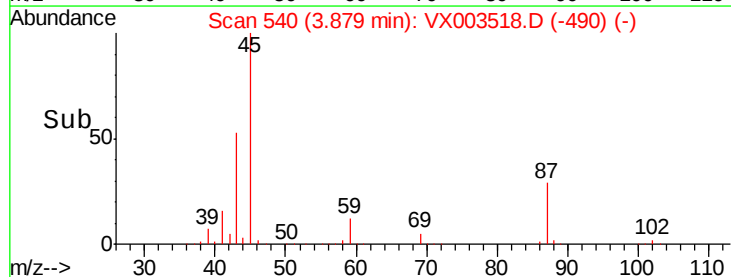
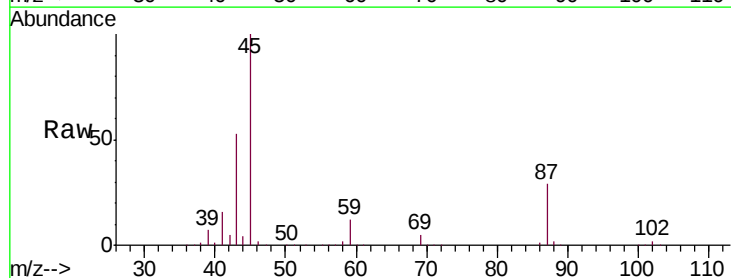
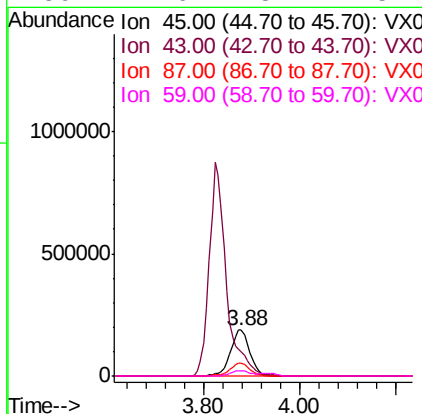
RT: 3.88 min Scan# 540

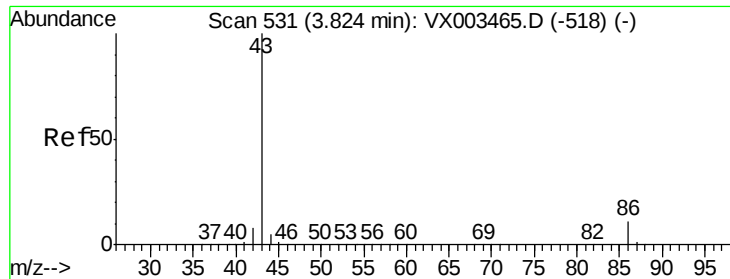
Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion:	45	Resp:	522244
Ion Ratio	Lower	Upper	
45	100		
43	53.2	46.8	70.2
87	29.3	20.2	30.4
59	11.6	8.7	13.1





#23

Vinyl Acetate

Concen: 267.425 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2160825

Ion Ratio Lower Upper

43 100

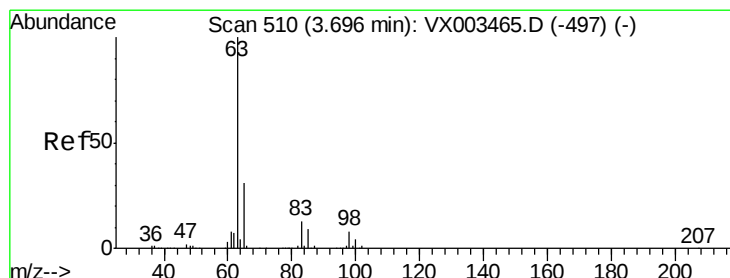
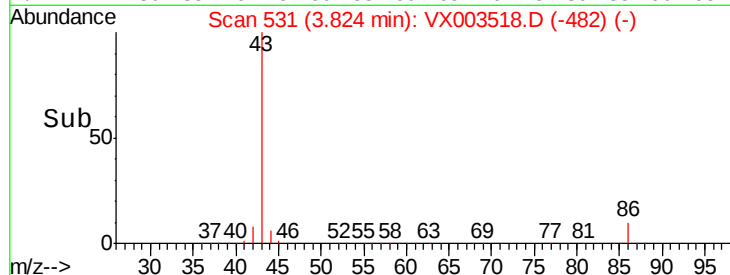
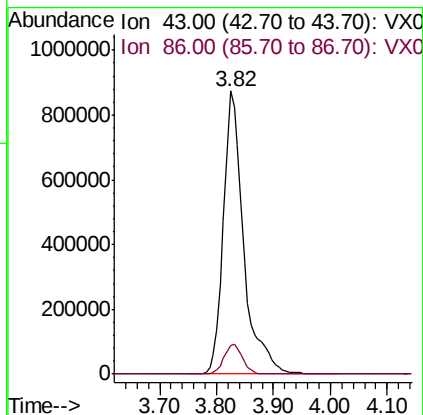
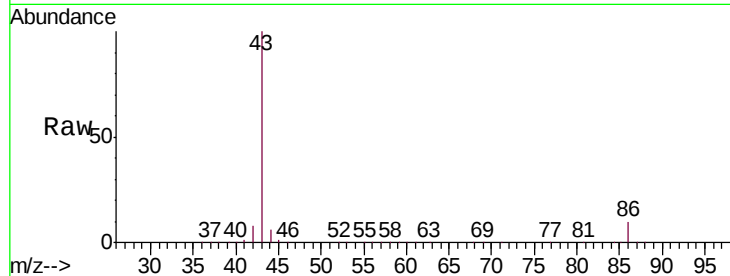
86 10.2 7.4 11.0

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 52.857 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

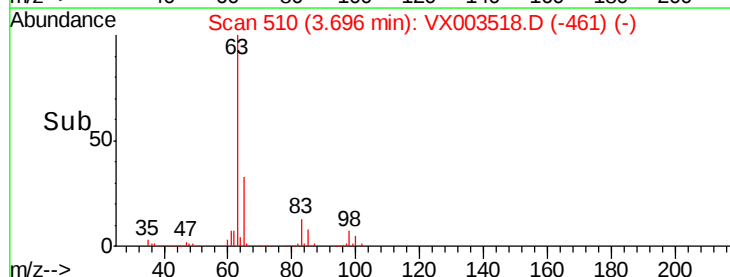
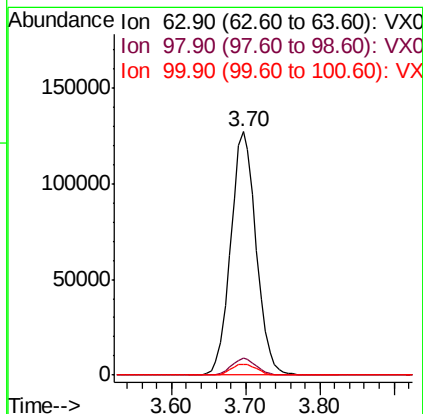
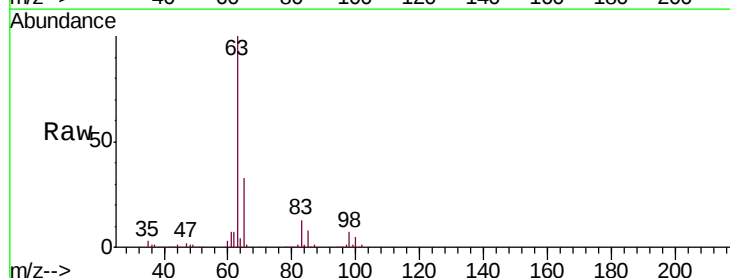
Tgt Ion: 63 Resp: 304207

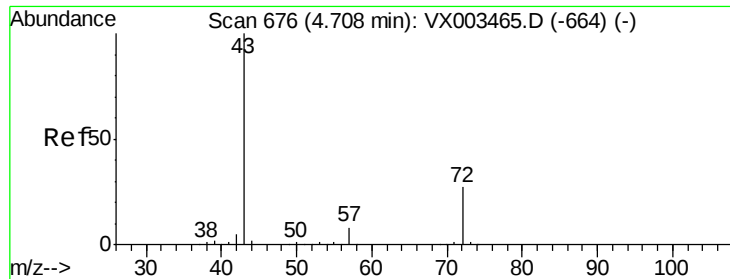
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 4.6 2.0 6.0





#25

2-Butanone

Concen: 278.952 ug/l

RT: 4.71 min Scan# 677

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 603368

Ion Ratio Lower Upper

43 100

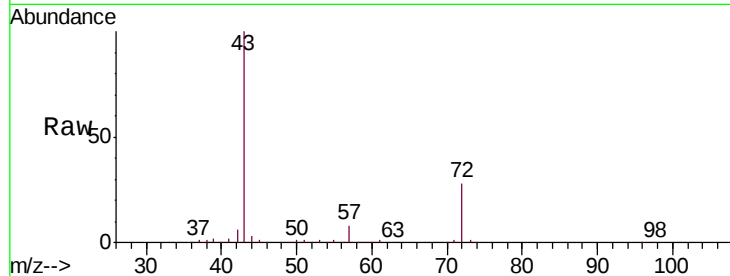
72 27.5 18.5 27.7

Manual Integrations

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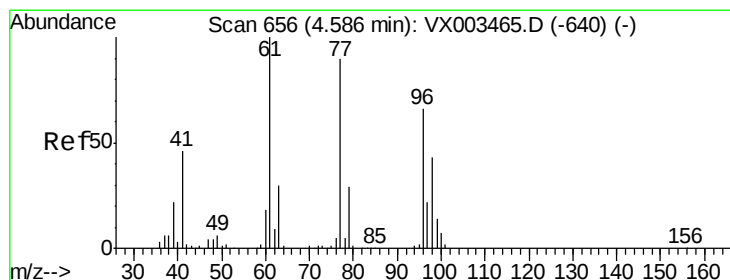
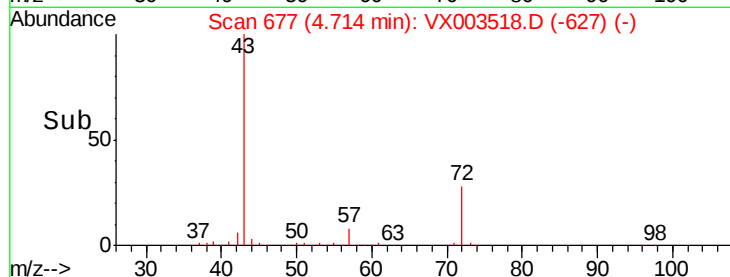
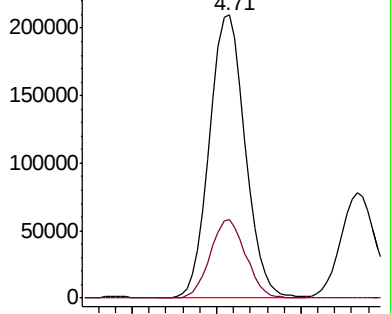
MMDadoda

7/23/2018 12:35:43 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 43.102 ug/l

RT: 4.58 min Scan# 655

Delta R.T. -0.01 min

Lab File: VX003518.D

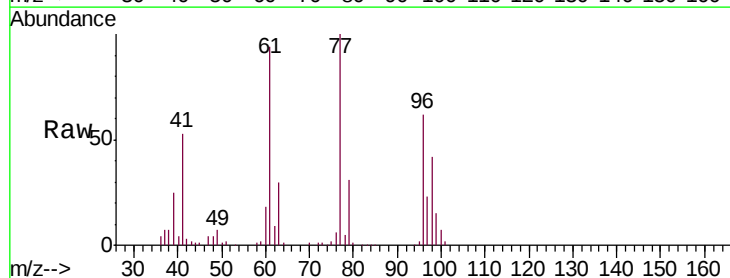
Acq: 20 Jul 2018 19:11

Tgt Ion: 77 Resp: 188407

Ion Ratio Lower Upper

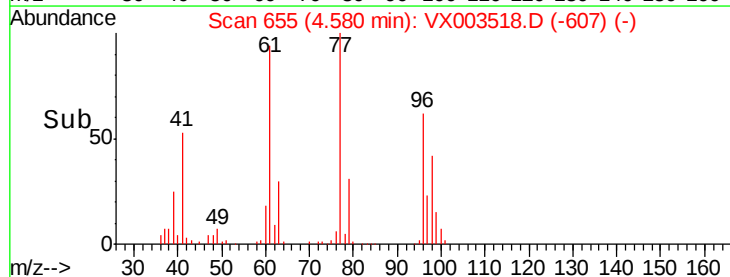
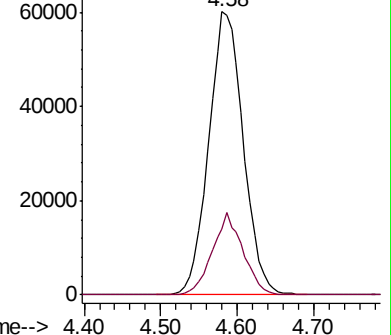
77 100

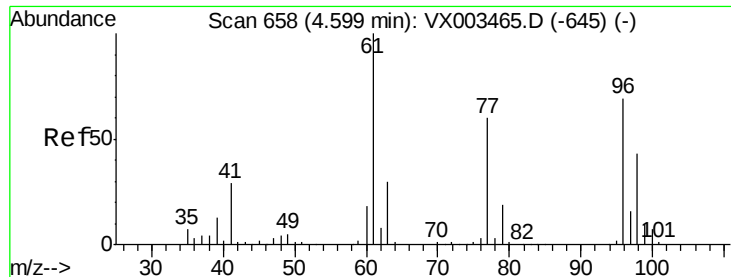
97 25.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

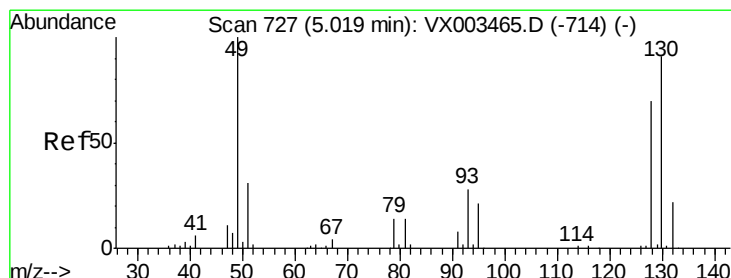
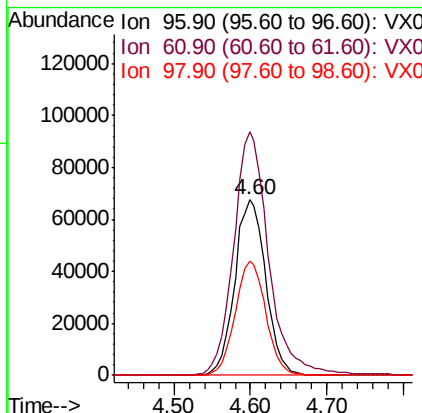
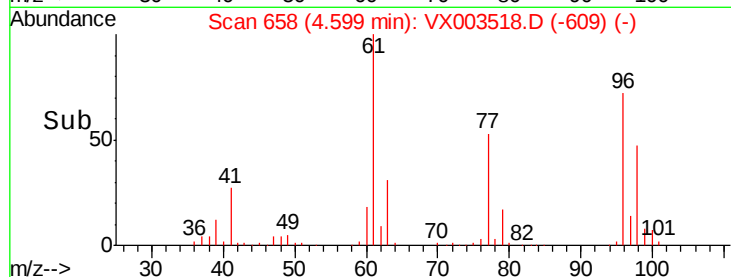
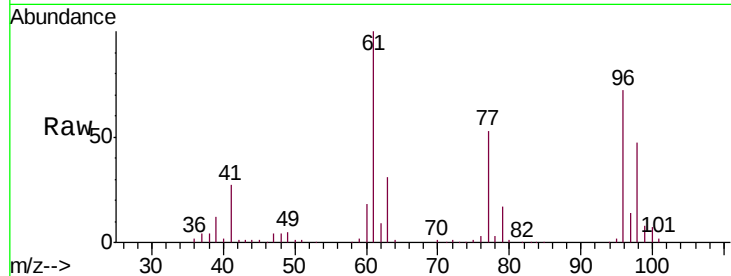
cis-1,2-Dichloroethene
Concen: 51.927 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189441		
61	158.0	0.0	330.2	
98	64.4	0.0	130.2	

Manual Integrations
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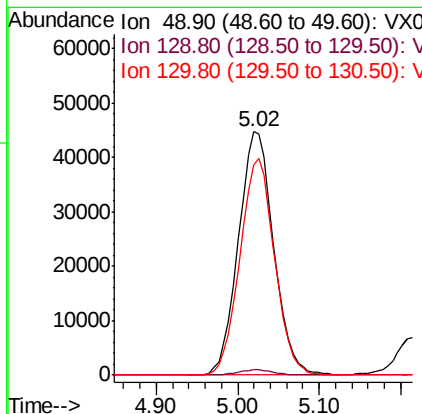
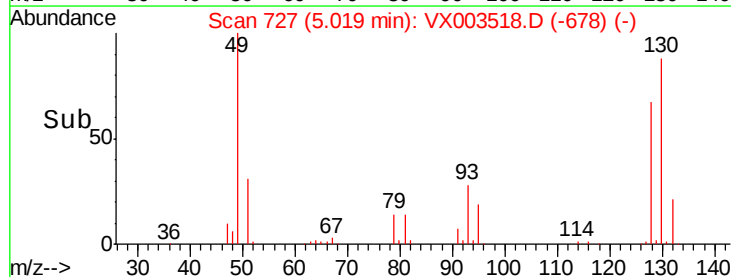
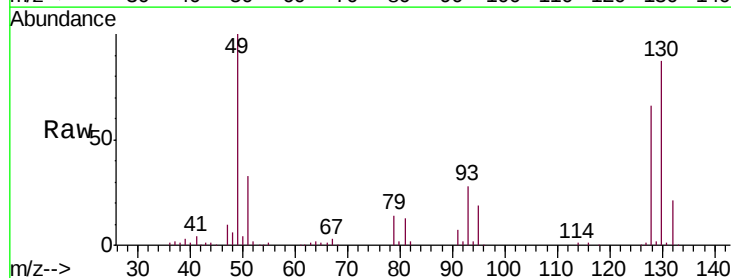
MMDadoda
7/23/2018 12:35:43 PM

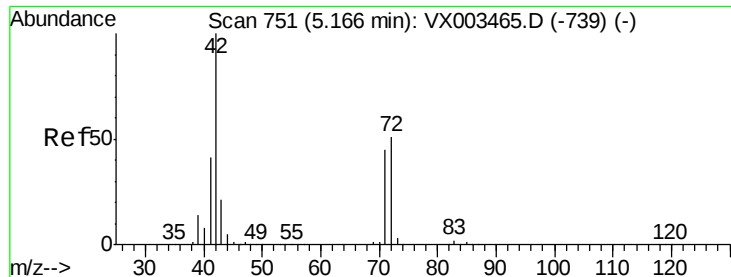


#28

Bromochloromethane
Concen: 53.368 ug/l
RT: 5.02 min Scan# 727
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	134254		
129	2.2	0.0	4.2	
130	87.5	61.2	91.8	





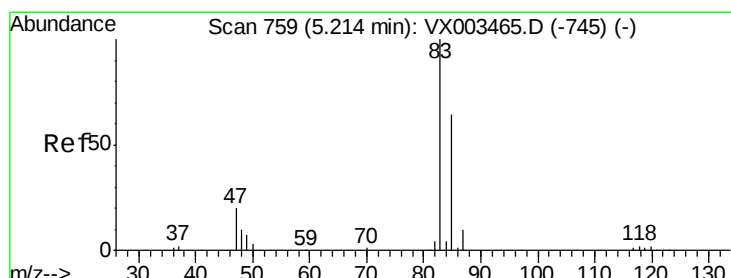
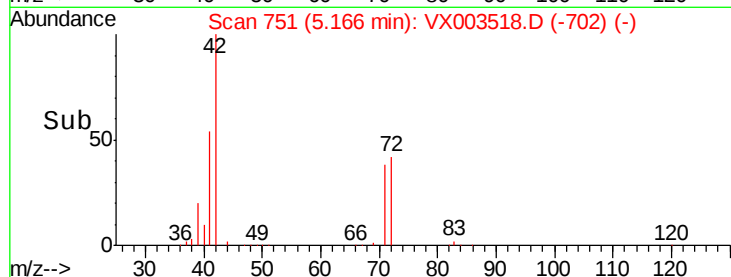
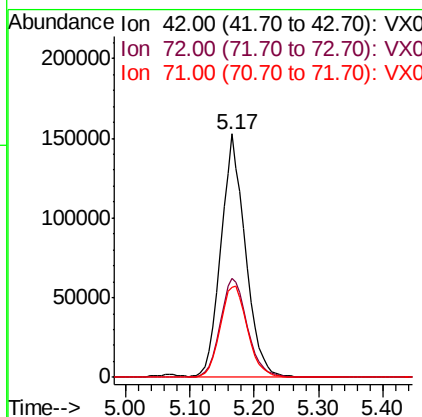
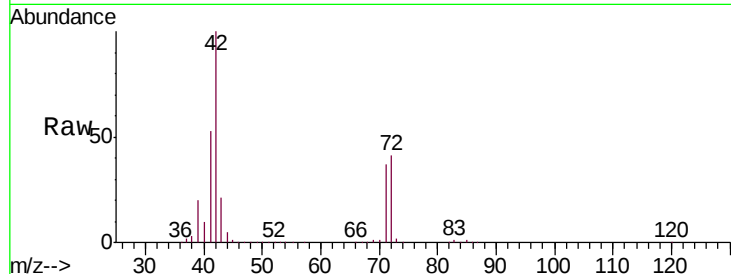
#29
Tetrahydrofuran
Concen: 285.479 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	32.0	48.0
71	41.9	30.1	45.1

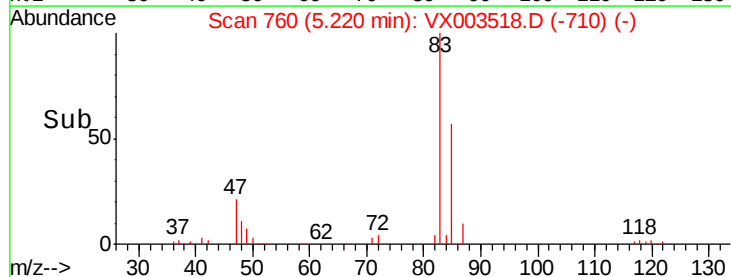
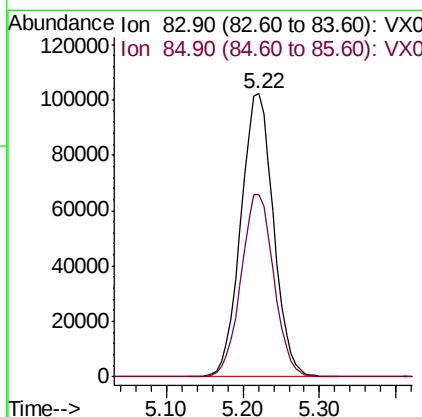
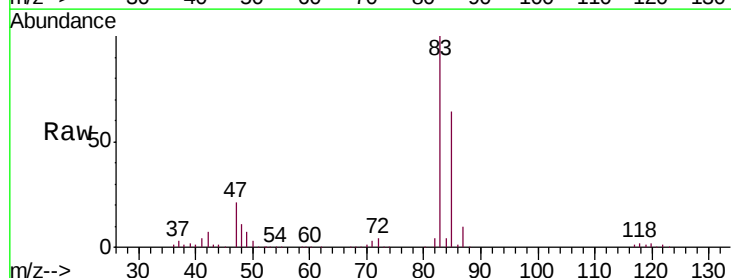
Manual Integrations
APPROVED

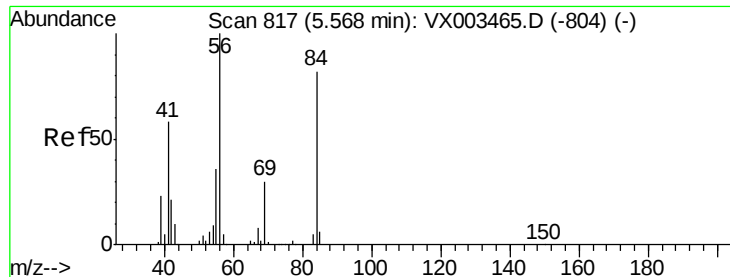
MMDadoda
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#30
Chloroform
Concen: 53.900 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	50.4	75.6





#31

Cyclohexane

Concen: 52.587 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 270420

Ion Ratio Lower Upper

56 100

69 35.8 23.7 35.5#

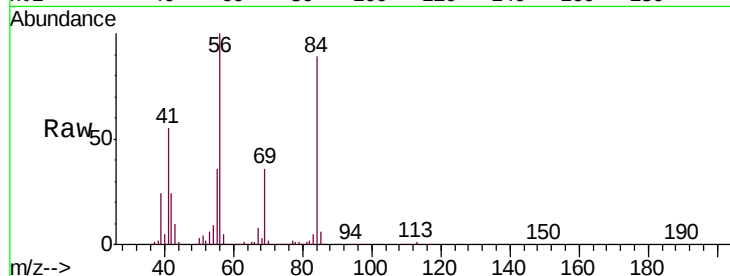
84 87.3 64.1 96.1

Manual Integrations

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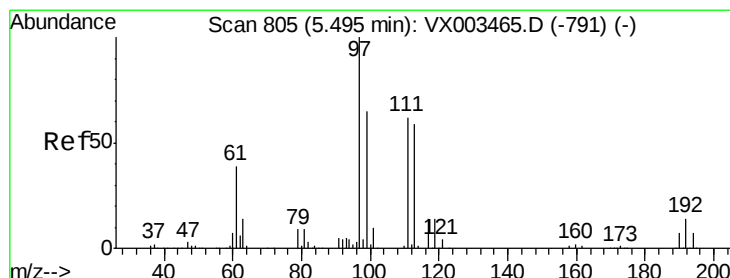
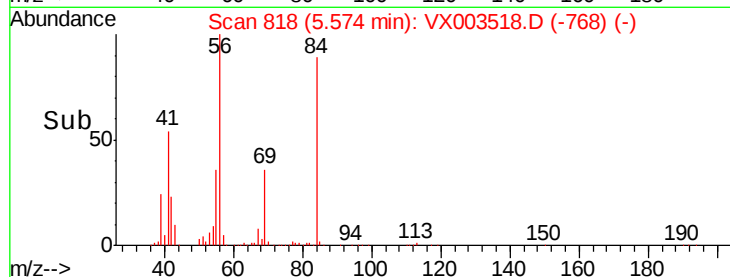
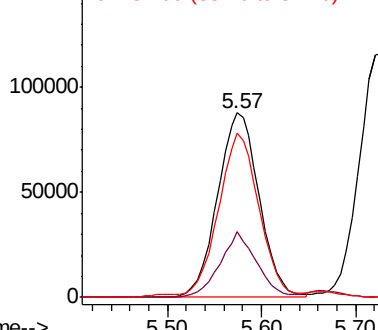


Abundance

Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 54.272 ug/l

RT: 5.49 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

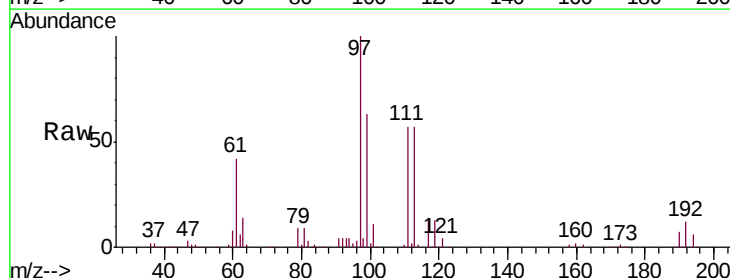
Tgt Ion: 97 Resp: 261190

Ion Ratio Lower Upper

97 100

99 64.3 51.6 77.4

61 42.6 36.4 54.6

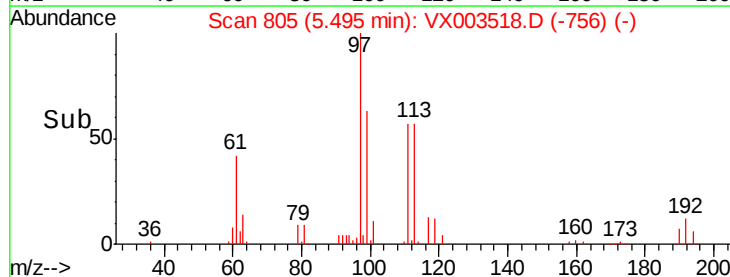
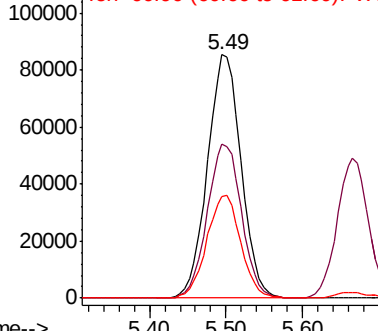


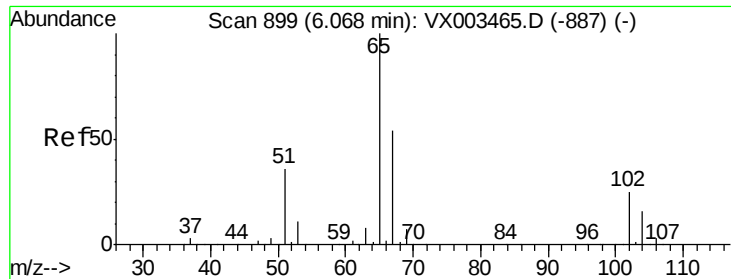
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





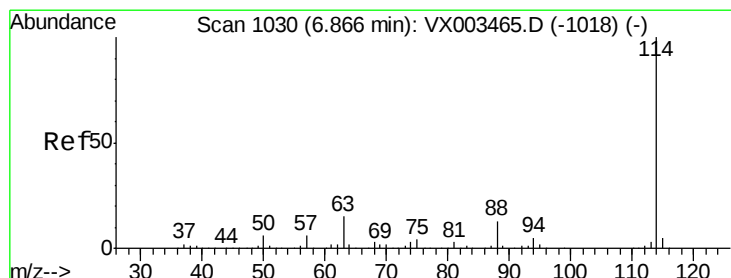
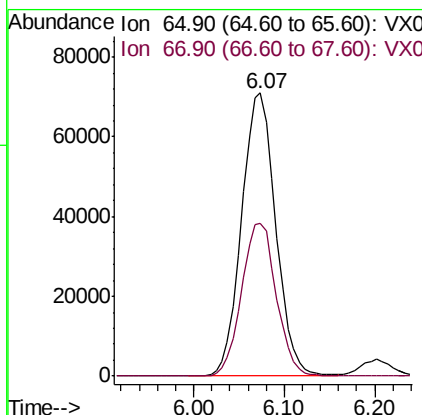
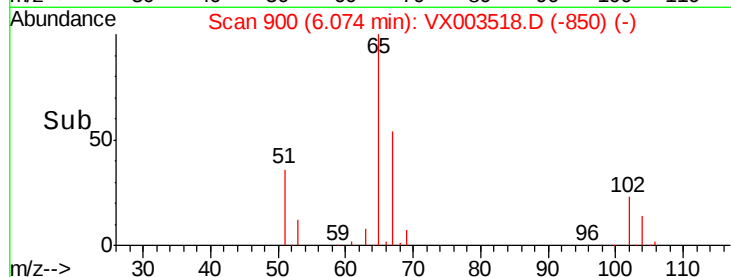
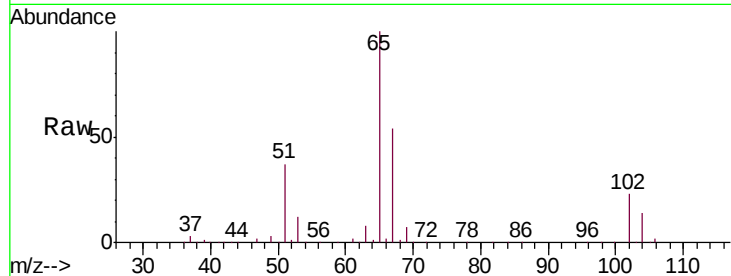
#33
 1,2-Dichloroethane-d4
 Concen: 54.275 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	185239		
67	54.9	0.0	102.6	

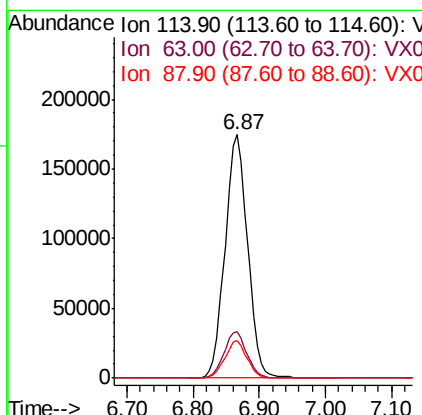
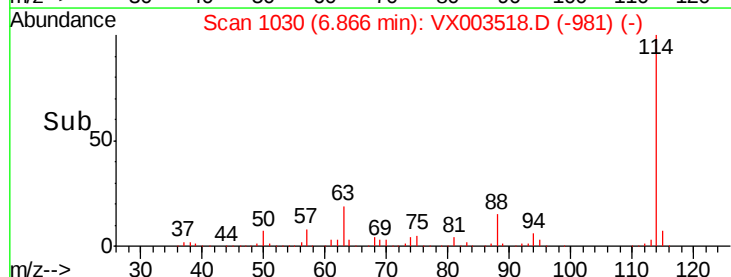
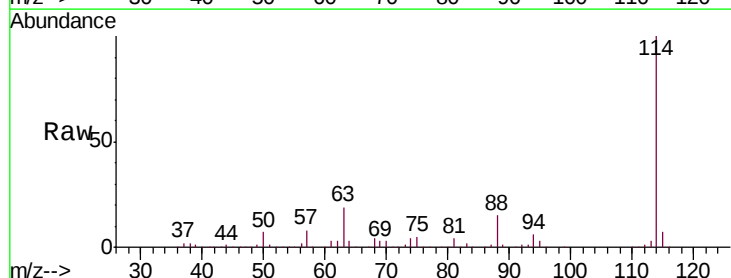
Manual Integrations
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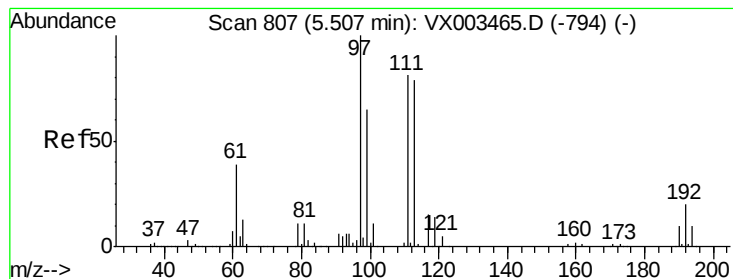
MMDadoda
 7/23/2018 12:35:43 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413485		
63	18.9	0.0	41.4	
88	15.4	0.0	30.0	





#35

Dibromofluoromethane

Concen: 52.165 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

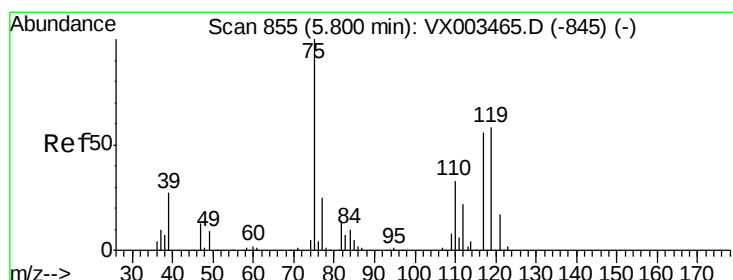
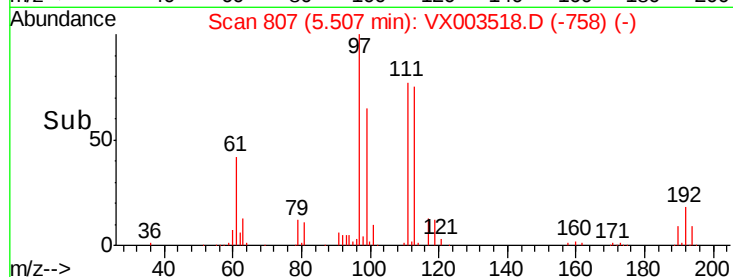
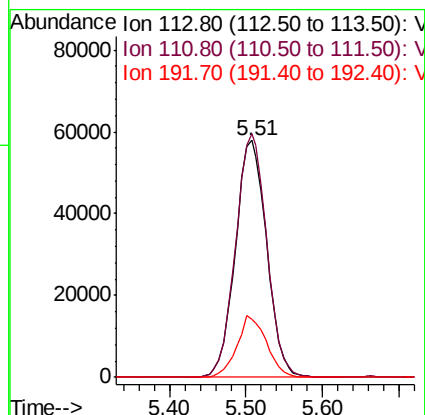
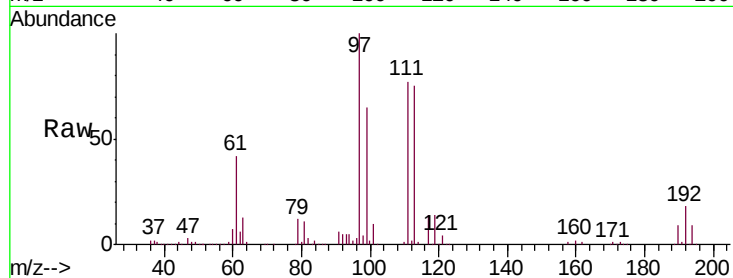
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	164287
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	24.4	19.1	28.7

Manual Integrations
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MMDadoda
7/23/2018 12:35:43 PM



#36

1,1-Dichloropropene

Concen: 50.703 ug/l

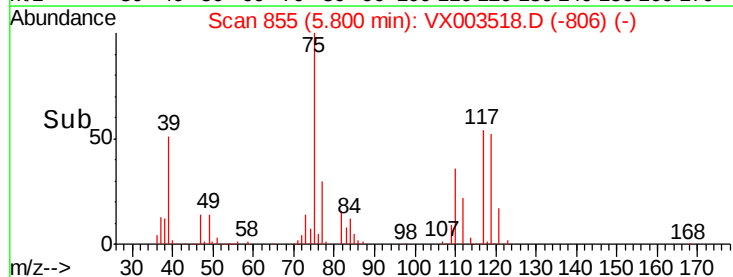
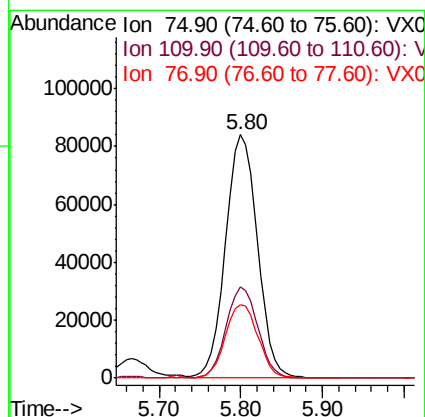
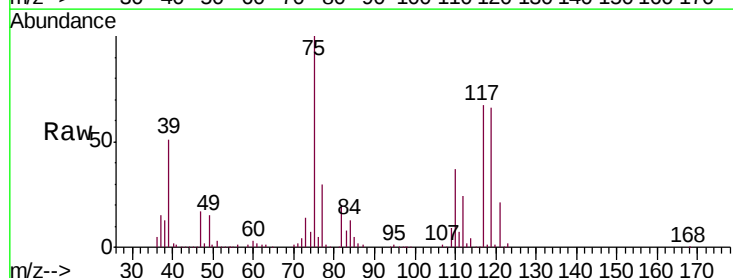
RT: 5.80 min Scan# 855

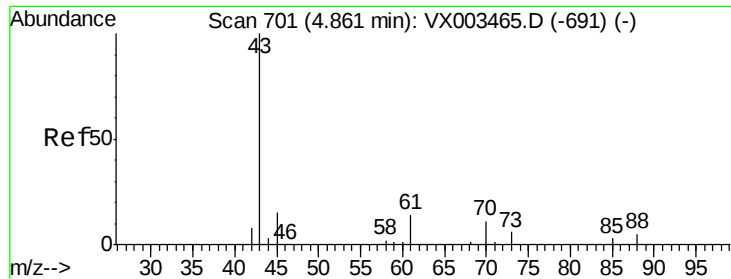
Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion:	75	Resp:	226353
Ion Ratio	Lower	Upper	
75	100		
110	37.5	18.1	54.4
77	31.1	24.3	36.5





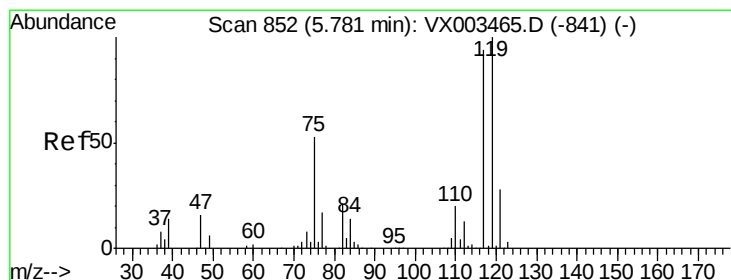
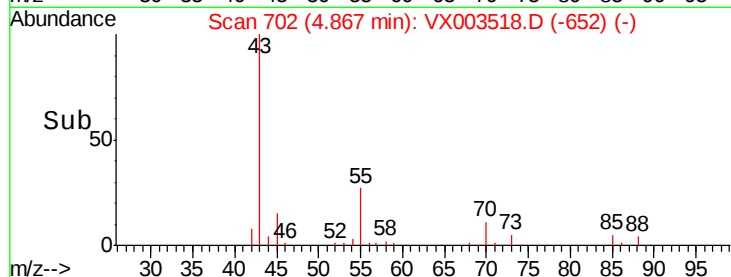
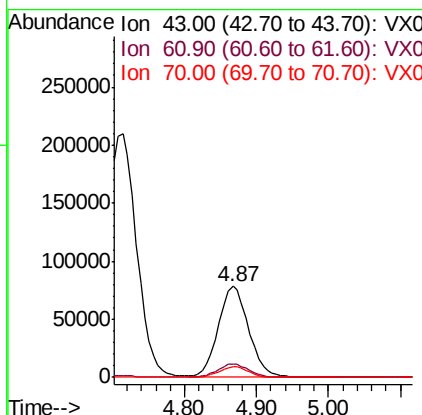
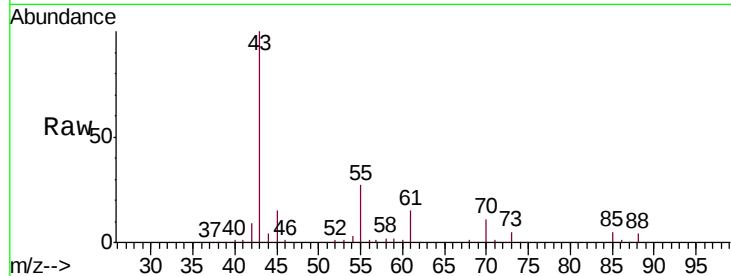
#37
Ethyl Acetate
Concen: 54.353 ug/l
RT: 4.87 min Scan# 702
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.4	15.6
70	11.4	7.6	11.4

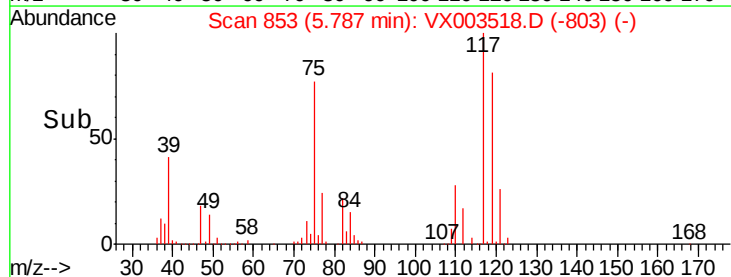
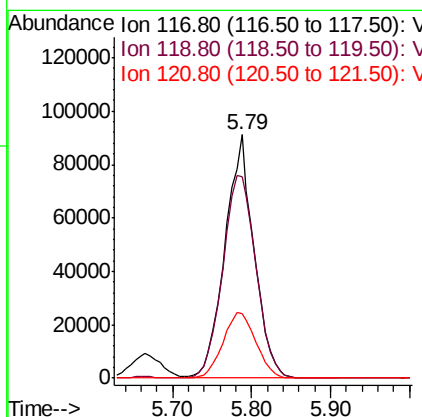
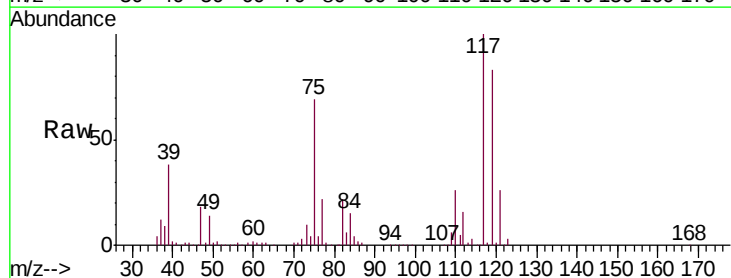
Manual Integrations
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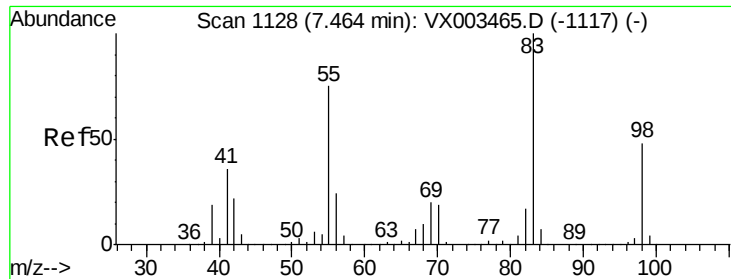
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.400 ug/l
RT: 5.79 min Scan# 853
Delta R.T. 0.01 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.8	77.4	116.0
121	26.3	24.4	36.6





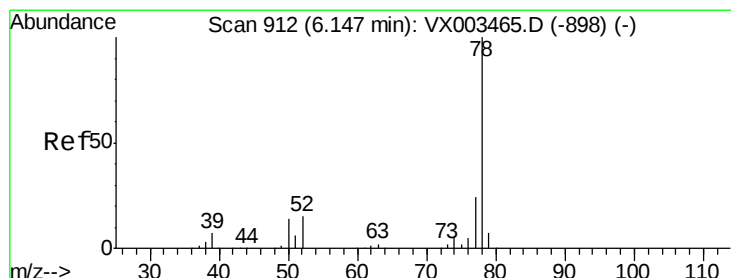
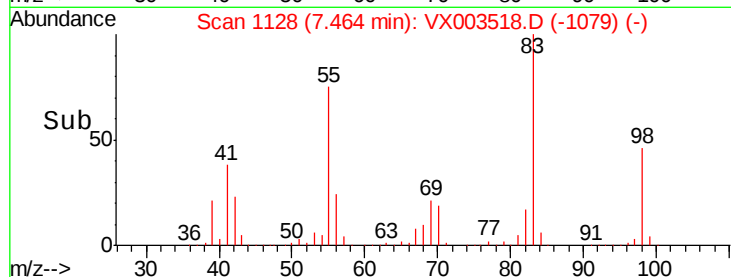
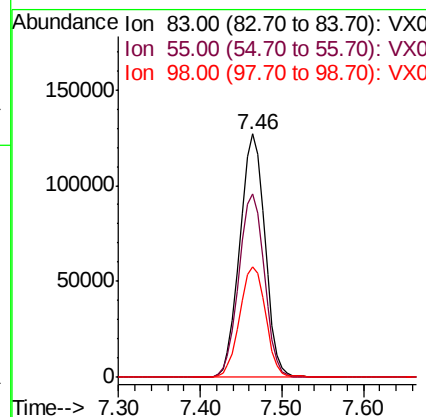
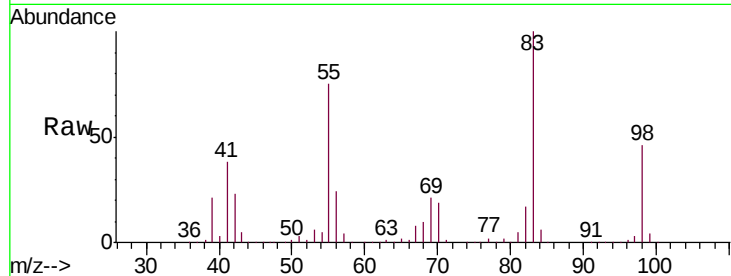
#39
Methvlcvclohexane
Concen: 50.984 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	269576		
55	75.3		65.4	98.0
98	45.6		37.4	56.0

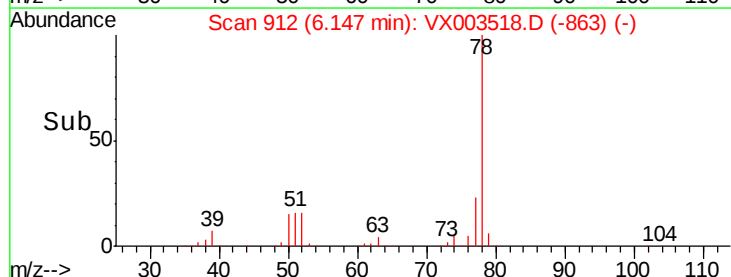
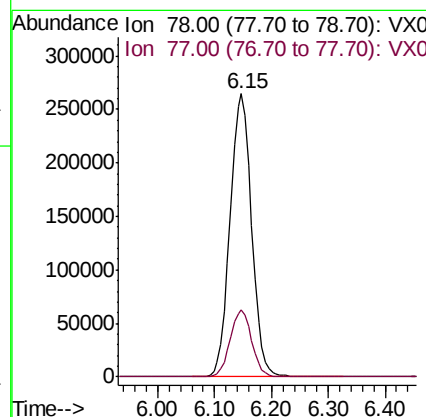
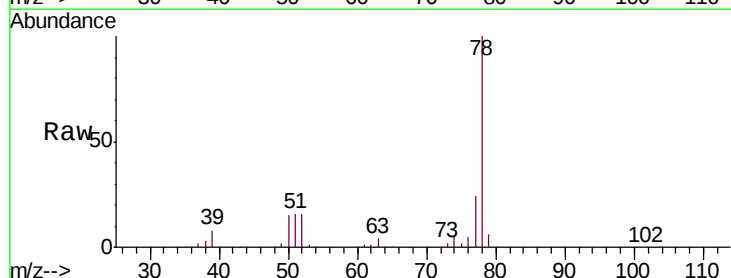
Manual Integrations
APPROVED

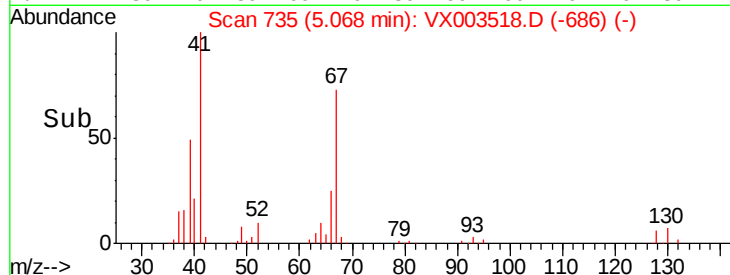
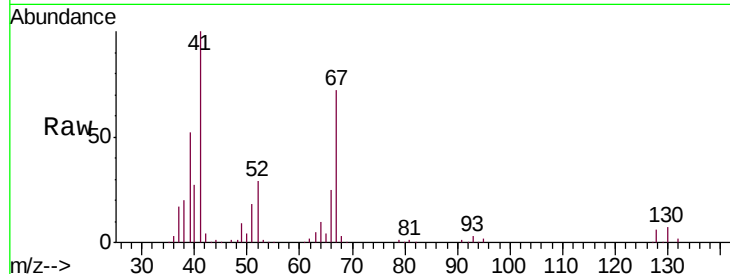
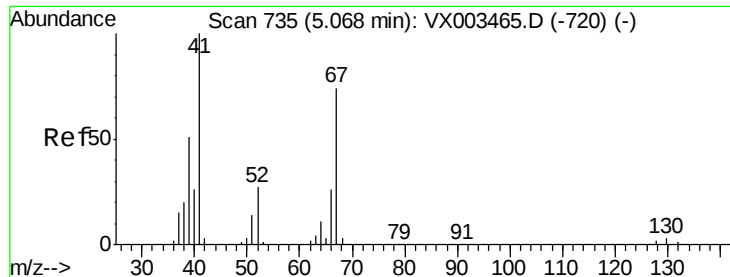
MMDadoda
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#40
Benzene
Concen: 51.790 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	698066		
77	23.8		19.1	28.7





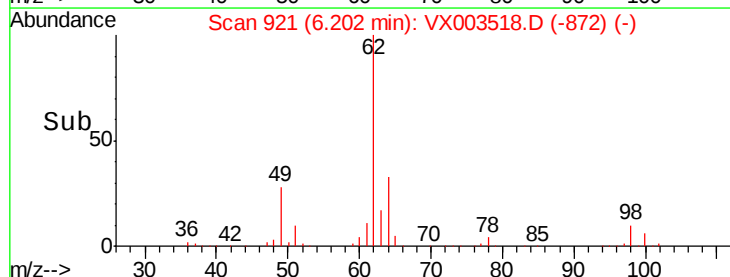
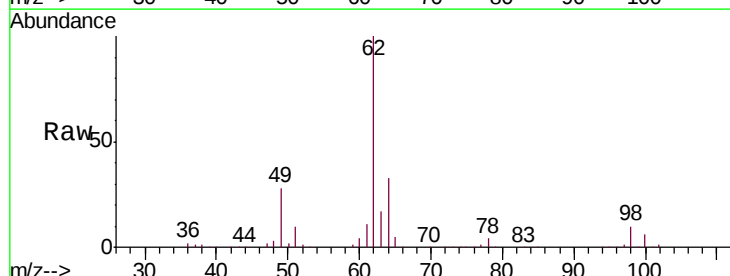
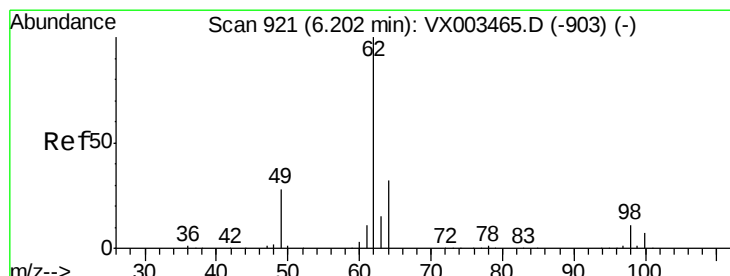
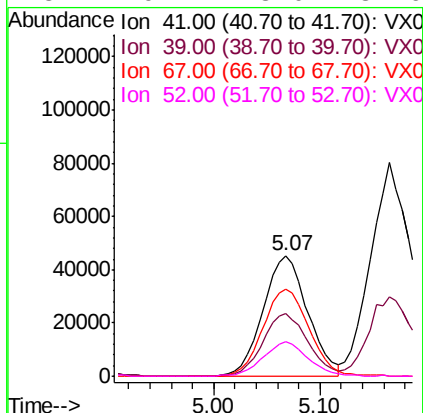
#41
Methacrylonitrile
Concen: 53.241 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		132187		
39	52.5	45.8	68.6		
67	74.7	51.3	76.9		
52	29.1	23.0	34.6		

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

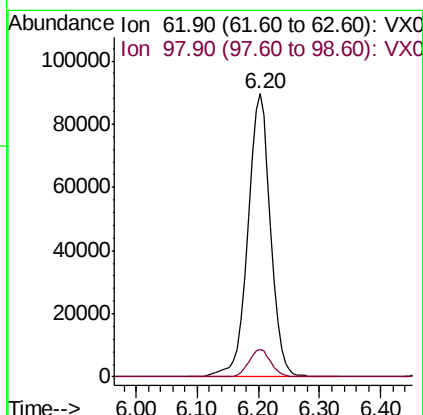
Manual Integrations
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MMDadoda
7/23/2018 12:35:43 PM



#42
1,2-Dichloroethane
Concen: 54.439 ug/l
RT: 6.20 min Scan# 921
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		231191		
98	9.7	0.0	16.6		





#43

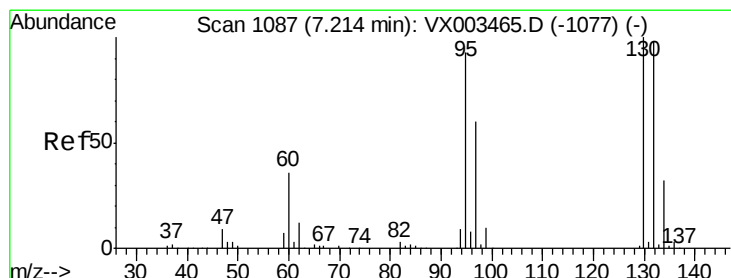
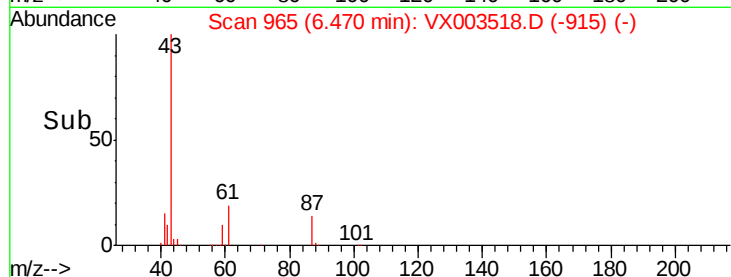
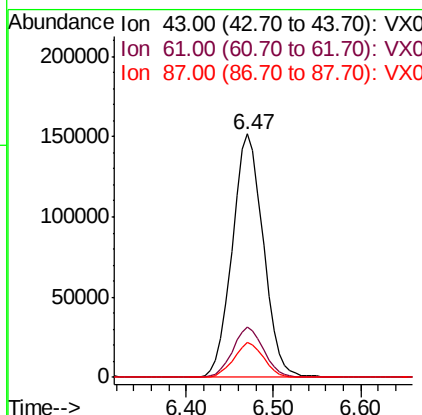
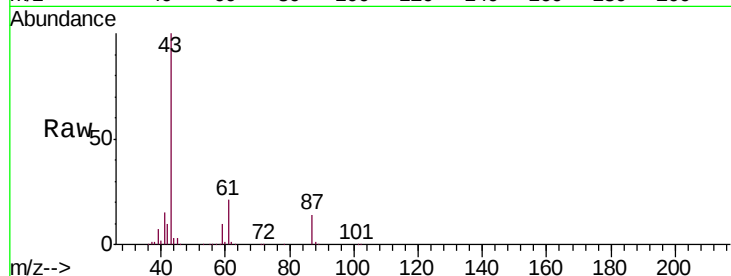
Isopropyl Acetate
 Concen: 55.609 ug/l
 RT: 6.47 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.5	14.4	21.6
87	13.8	9.5	14.3

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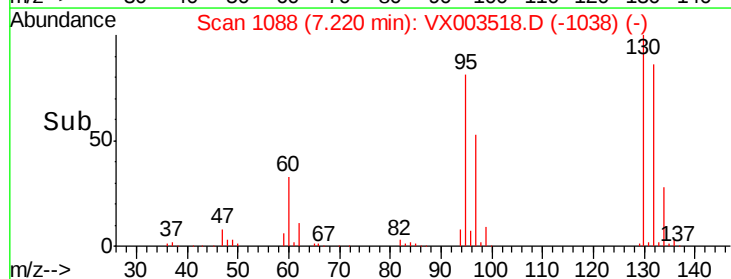
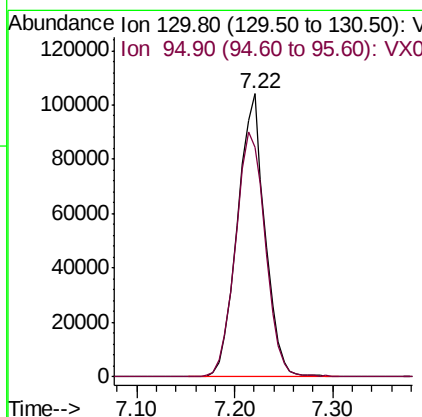
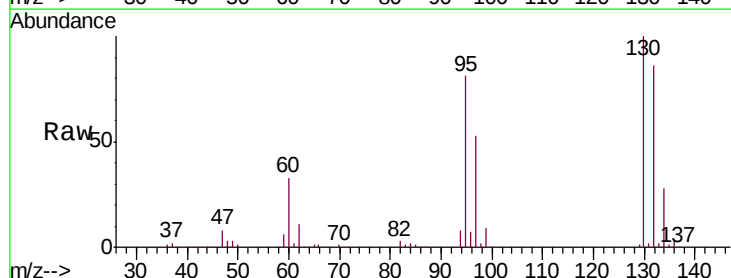
MMDadoda
 7/23/2018 12:35:43 PM



#44

Trichloroethene
 Concen: 50.772 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.0	0.0	185.4





#45

1,2-Dichloropropane

Concen: 53.422 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 182837

Ion Ratio Lower Upper

63 100

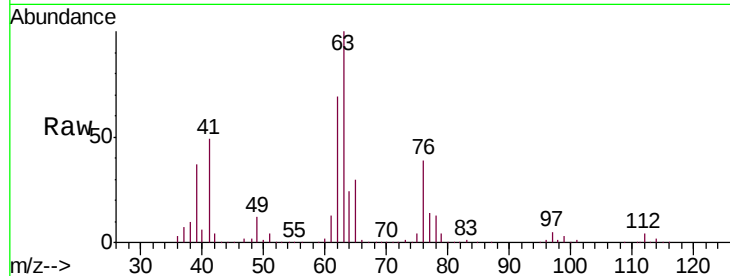
65 30.4 24.7 37.1

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.52

100000

80000

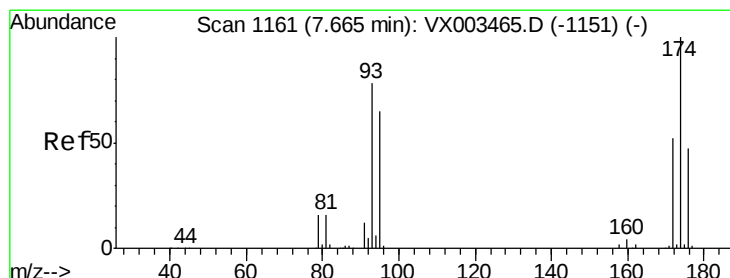
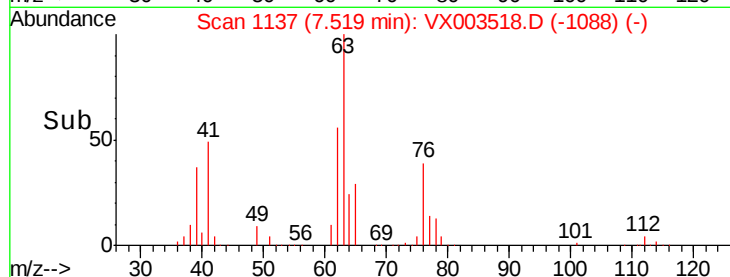
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.713 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

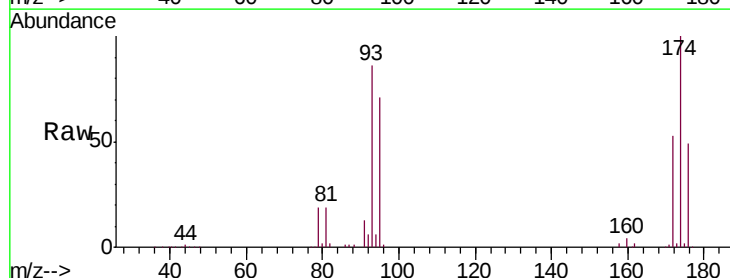
Tgt Ion: 93 Resp: 118352

Ion Ratio Lower Upper

93 100

95 82.8 65.9 98.9

174 117.5 92.4 138.6



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

100000

80000

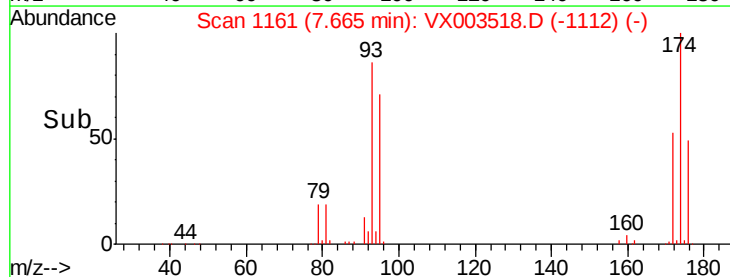
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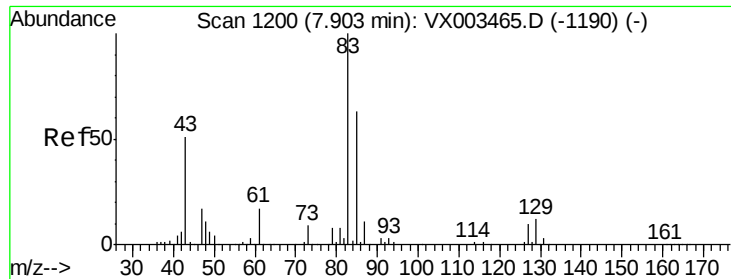
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 54.676 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

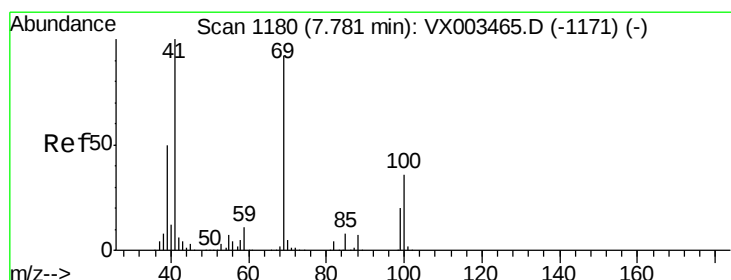
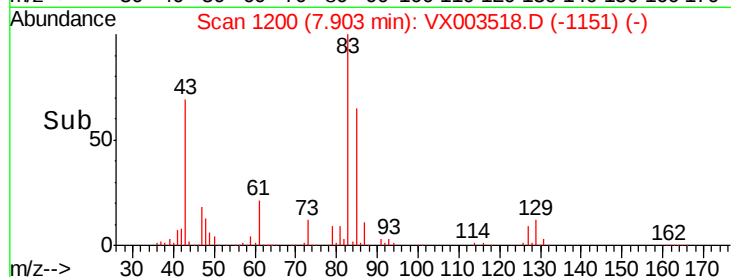
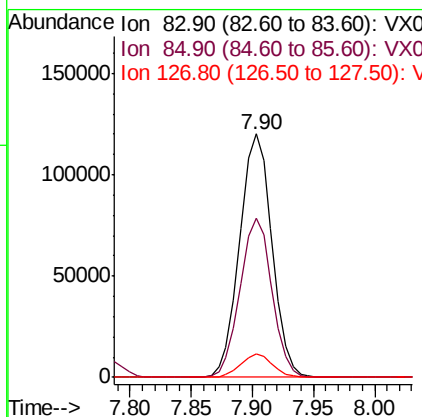
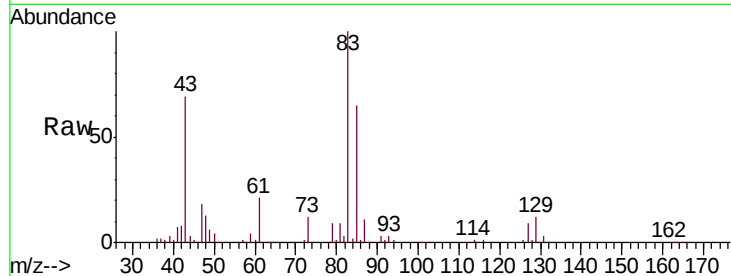
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	220551
Ion Ratio	Lower	Upper	
83	100		
85	65.3	50.3	75.5
127	9.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.879 ug/l

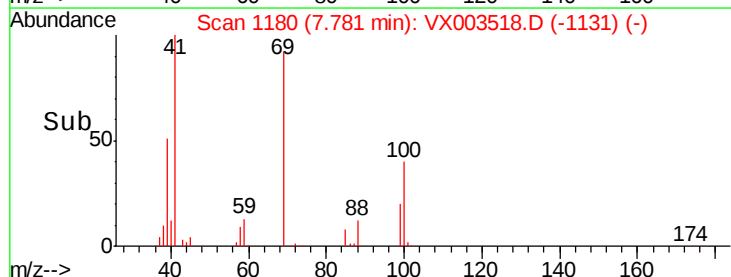
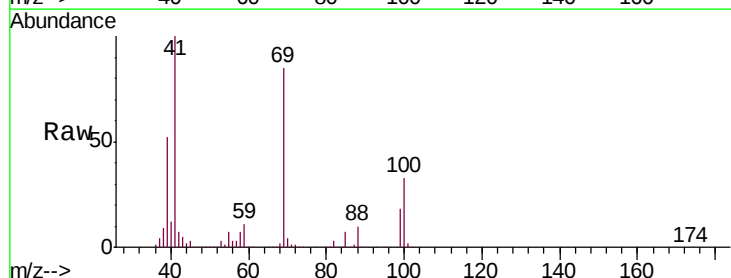
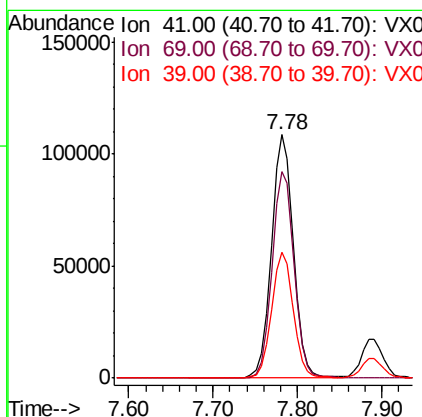
RT: 7.78 min Scan# 1180

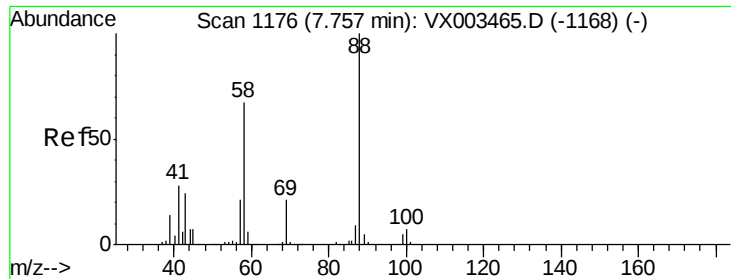
Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion:	41	Resp:	196142
Ion Ratio	Lower	Upper	
41	100		
69	85.6	59.1	88.7
39	51.1	48.9	73.3





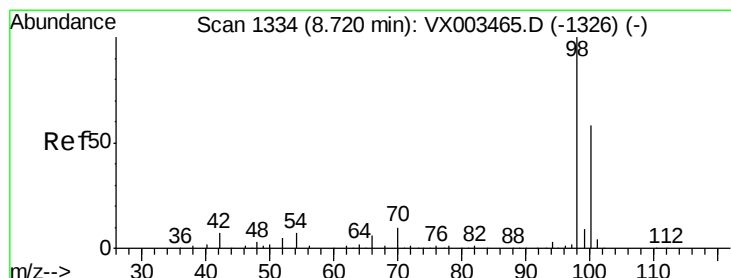
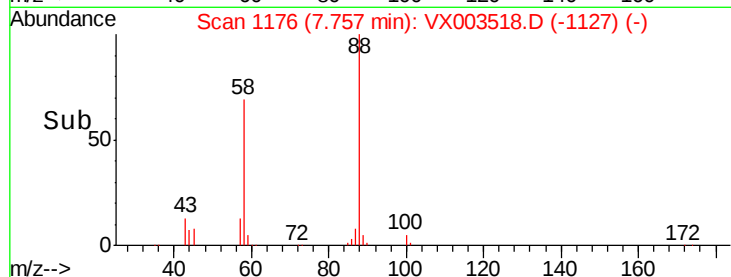
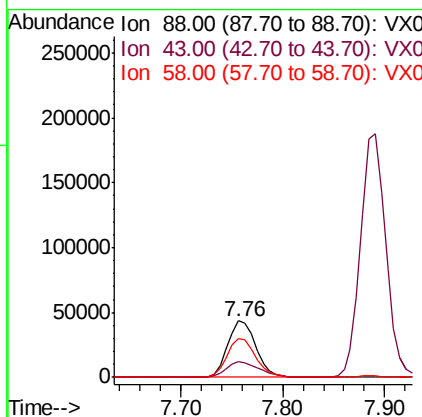
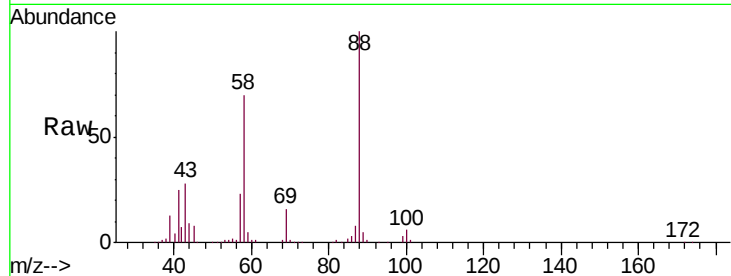
#49
1,4-Dioxane
Concen: 1080.709 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	29.8	44.6
58	71.3	57.1	85.7

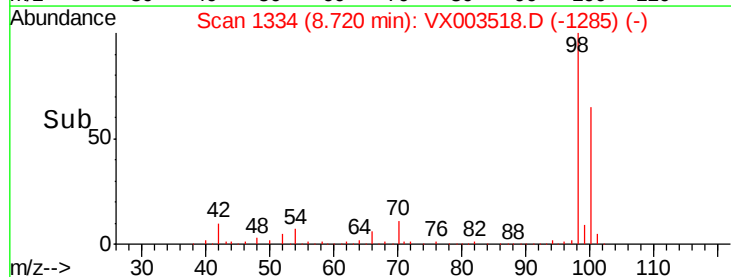
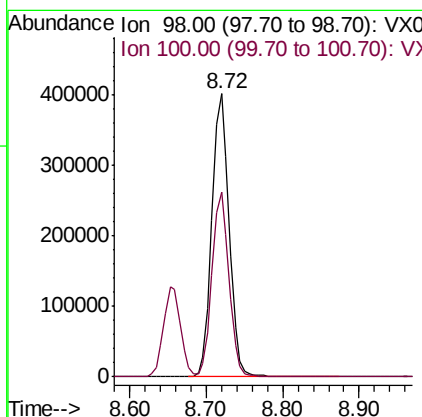
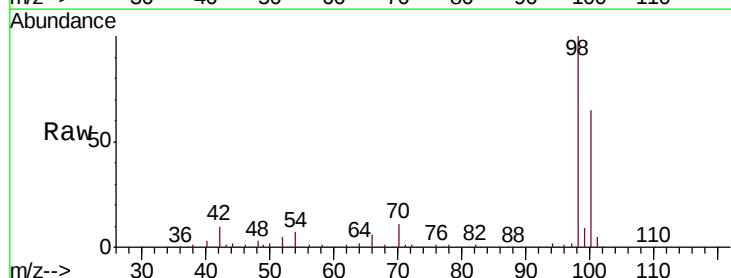
Manual Integrations
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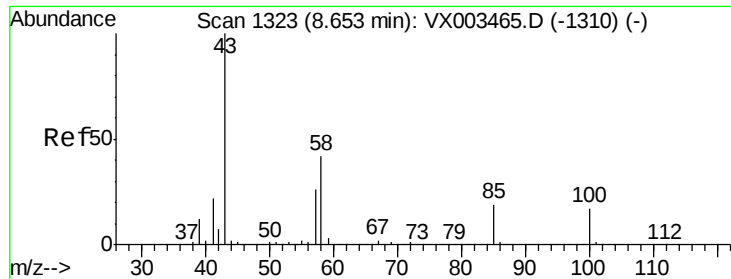
MMDadoda
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#50
Toluene-d8
Concen: 52.882 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	50.9	76.3





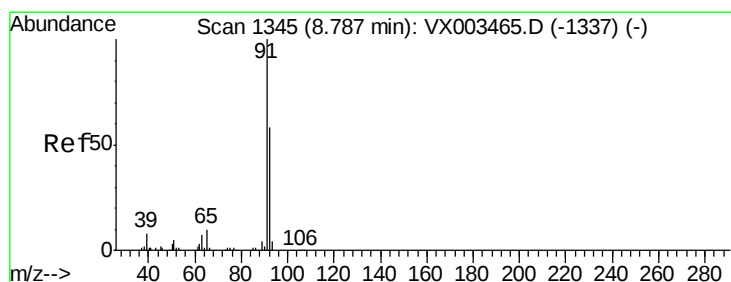
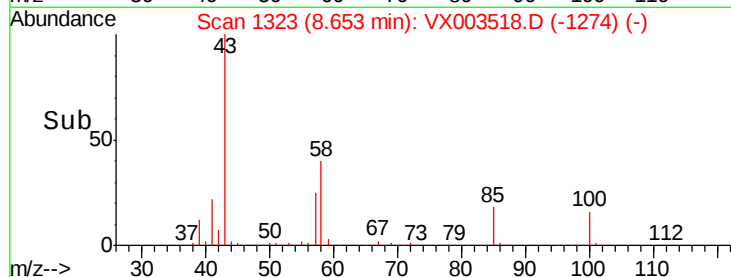
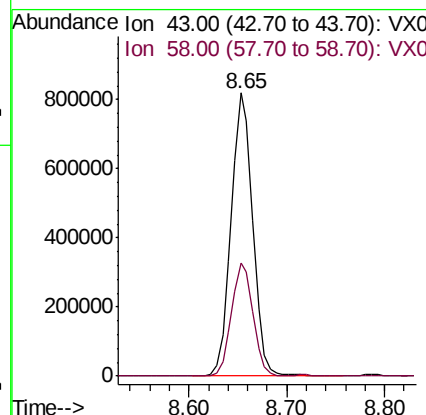
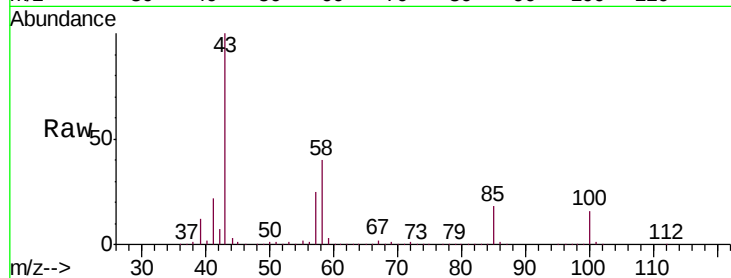
#51
4-Methyl-2-Pentanone
Concen: 294.841 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1251699
Ion Ratio Lower Upper
43 100
58 39.9 28.6 42.8

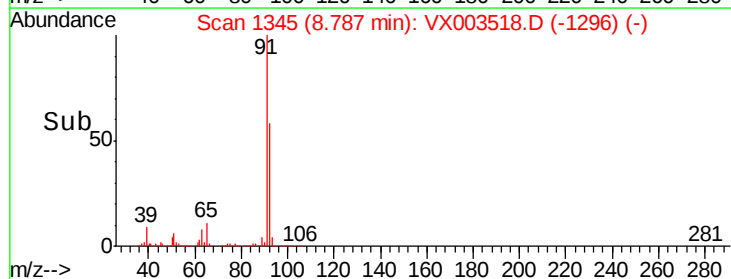
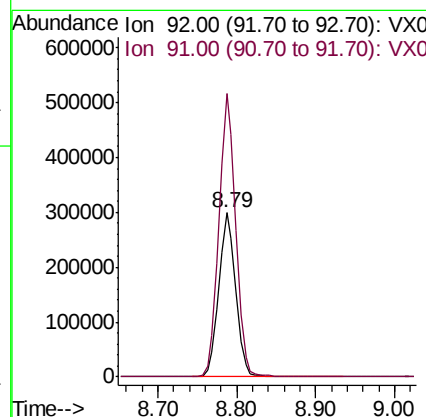
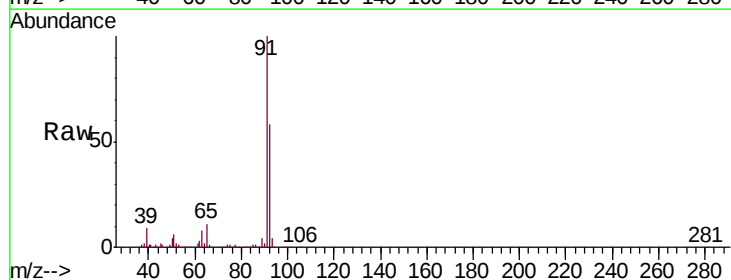
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#52
Toluene
Concen: 52.607 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 92 Resp: 446328
Ion Ratio Lower Upper
92 100
91 172.5 140.4 210.6





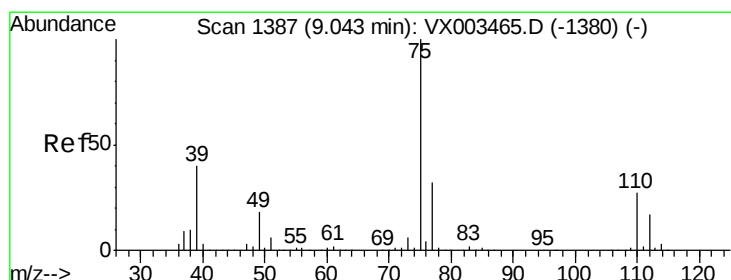
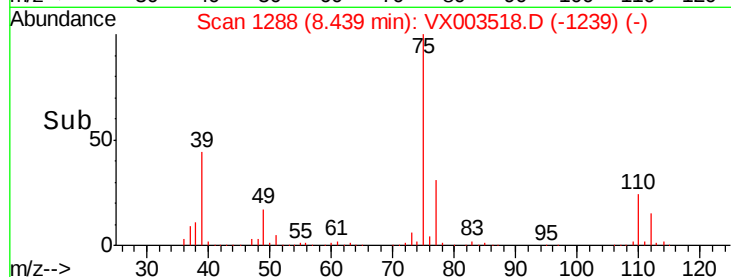
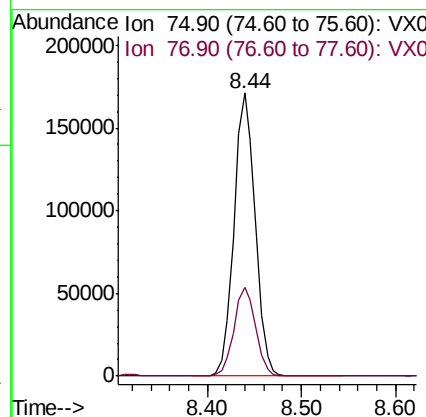
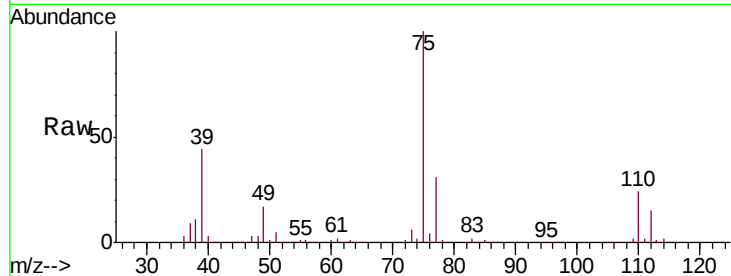
#53
t-1,3-Dichloropropene
Concen: 53.709 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 266658
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

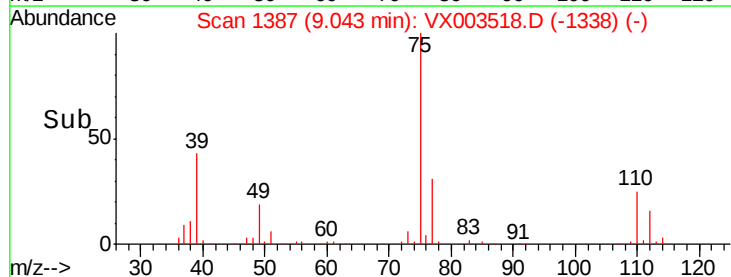
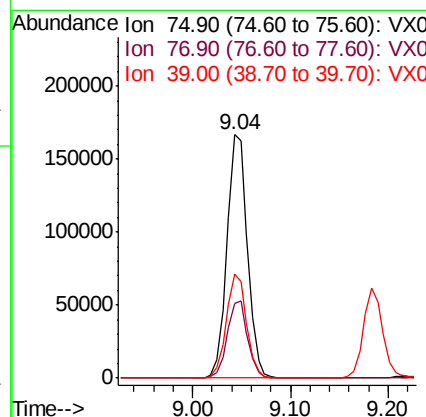
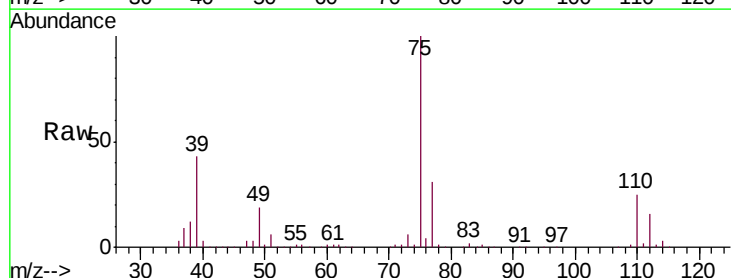
Manual Integrations
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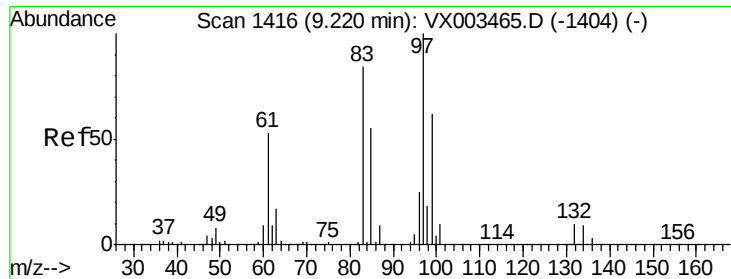
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.096 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 75 Resp: 241534
Ion Ratio Lower Upper
75 100
77 30.9 24.8 37.2
39 42.9 42.4 63.6





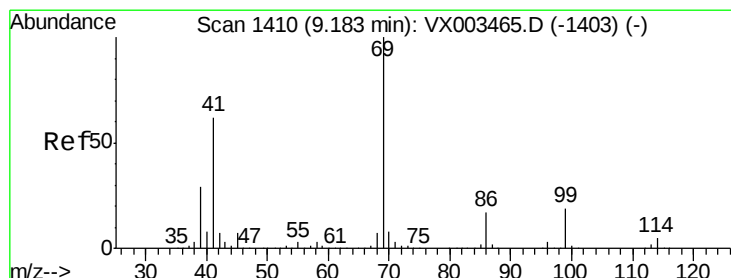
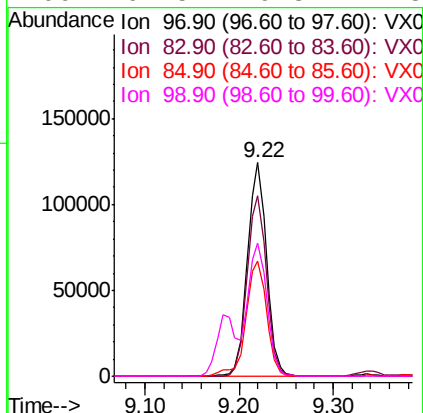
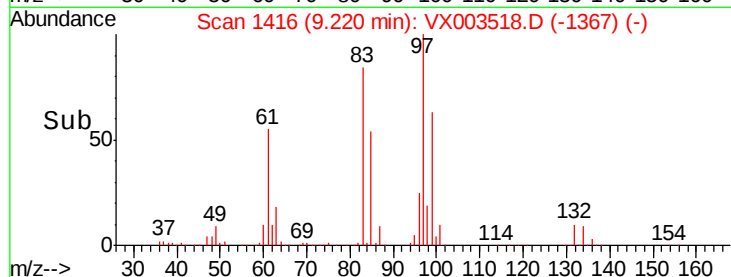
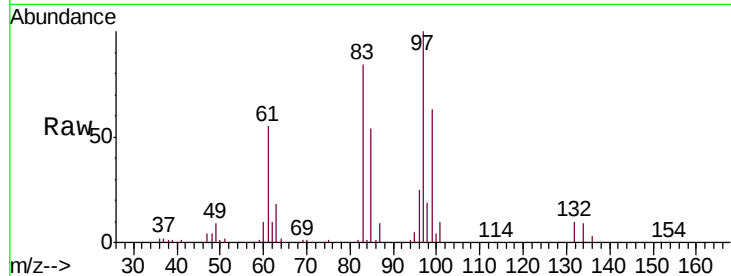
#55
 1,1,2-Trichloroethane
 Concen: 52.586 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	177535
Ion Ratio	Lower	Upper	
97	100		
83	84.4	70.2	105.2
85	54.1	44.9	67.3
99	62.5	49.8	74.8

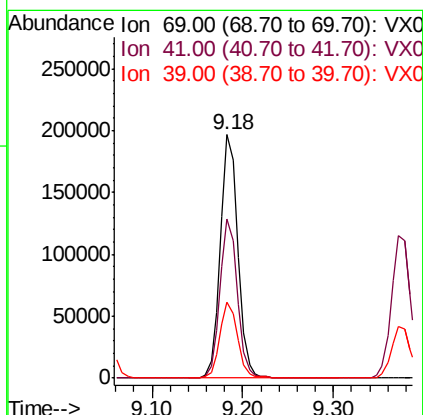
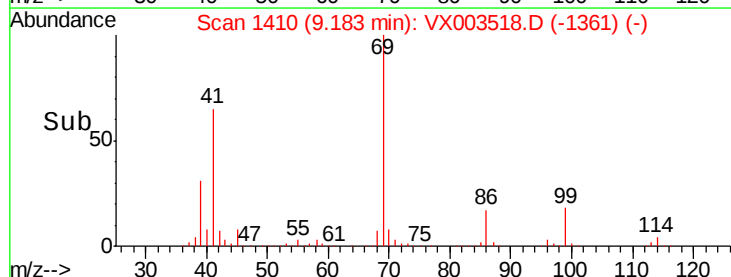
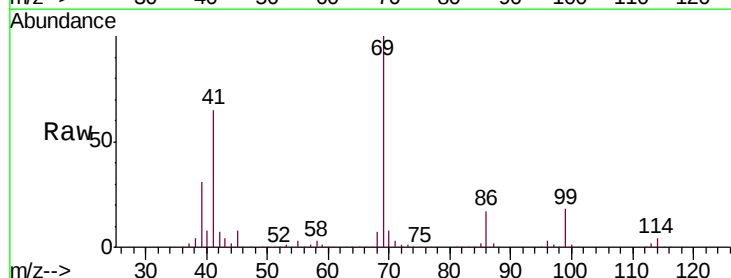
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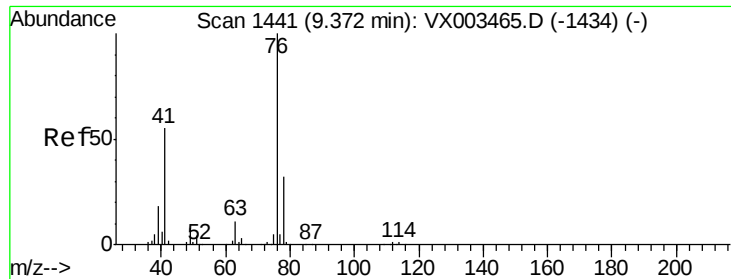
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#56
 Ethyl methacrylate
 Concen: 56.007 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion:	69	Resp:	266327
Ion Ratio	Lower	Upper	
69	100		
41	65.0	60.3	90.5
39	31.6	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 53.986 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 294618

Ion Ratio Lower Upper

76 100

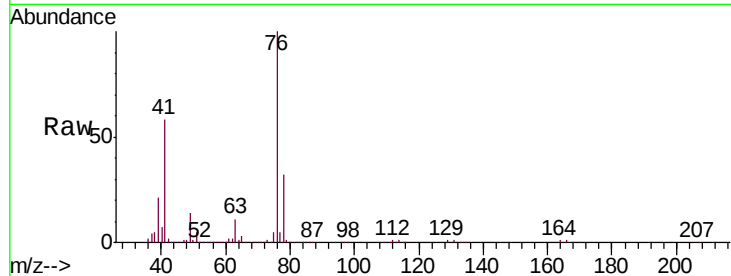
78 32.3 25.8 38.6

Manual Integrations

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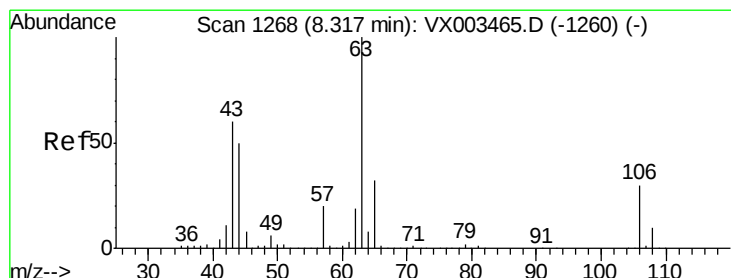
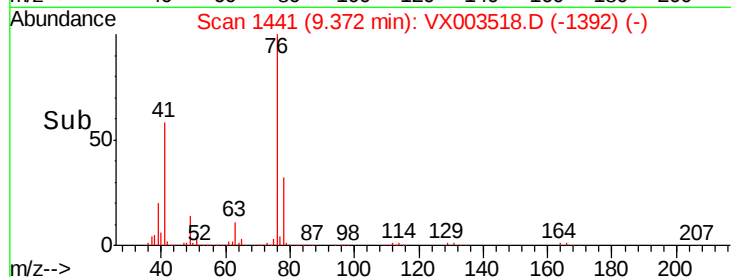
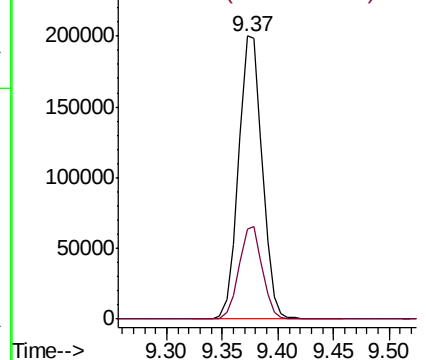
MMDadoda

7/23/2018 12:35:43 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 272.539 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003518.D

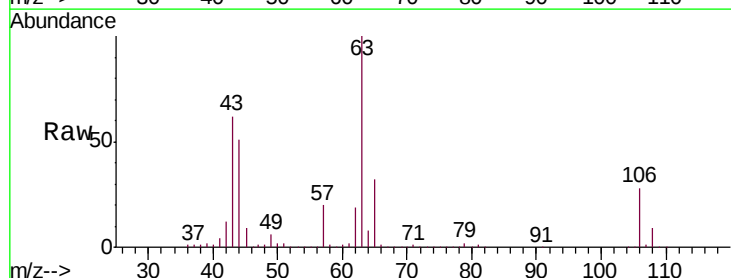
Acq: 20 Jul 2018 19:11

Tgt Ion: 63 Resp: 630171

Ion Ratio Lower Upper

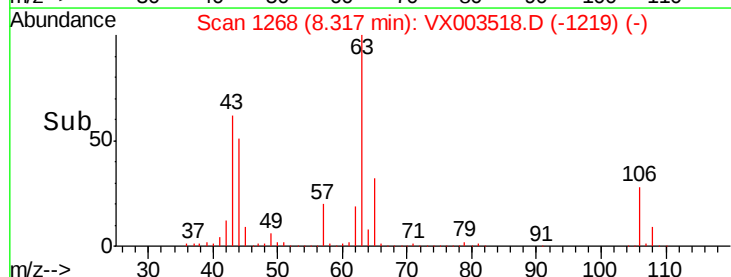
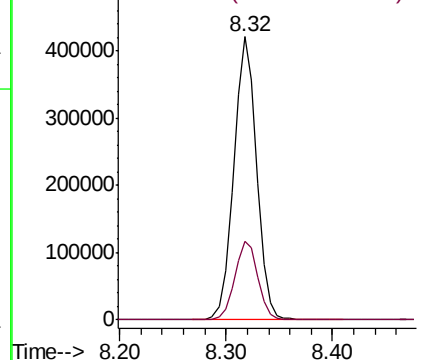
63 100

106 28.3 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





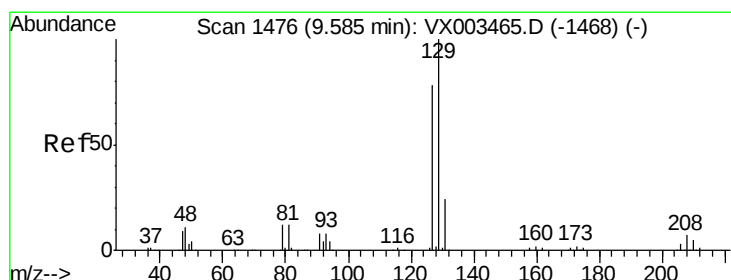
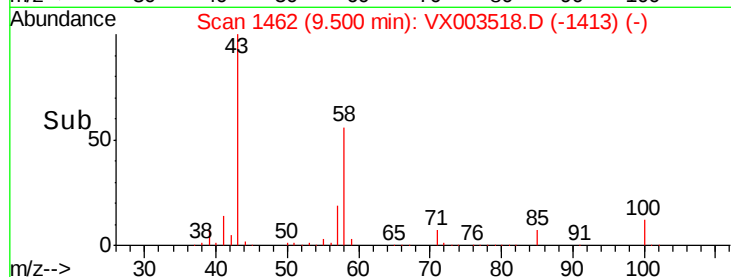
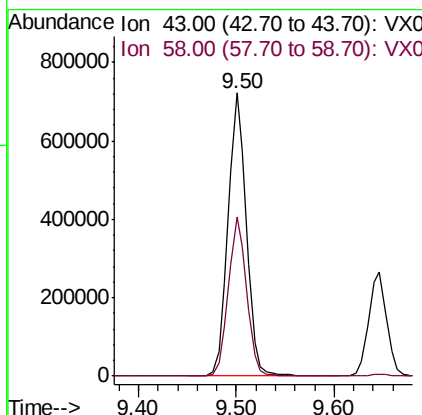
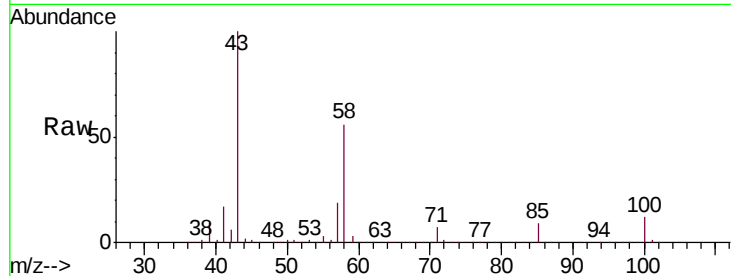
#59
2-Hexanone
Concen: 299.077 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	24.6	73.6

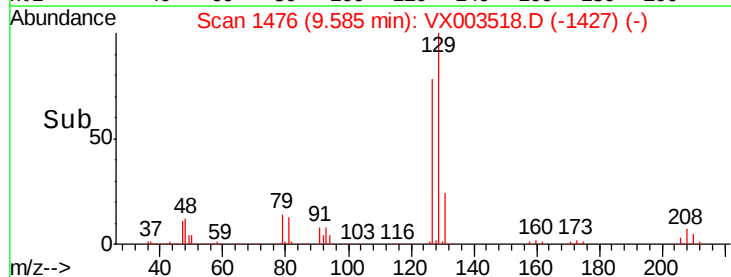
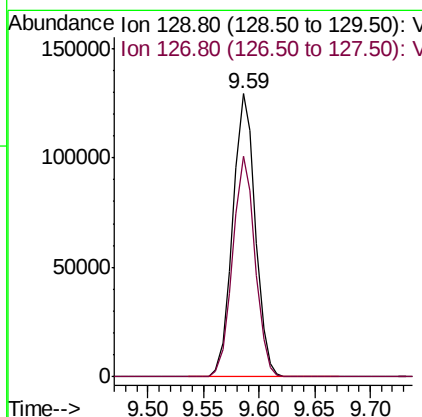
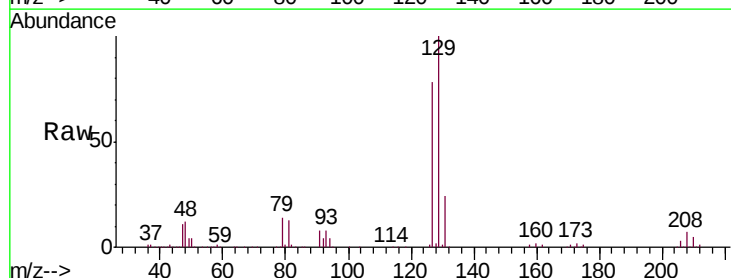
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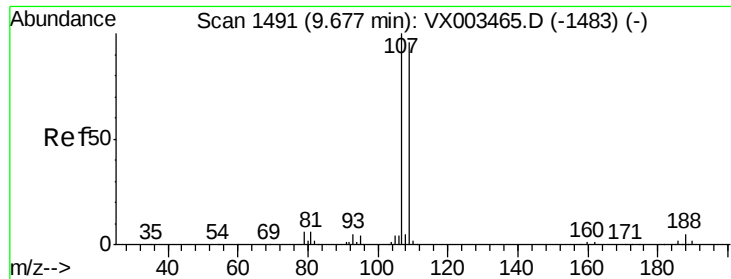
MMDadoda
7/23/2018 12:35:43 PM



#60
Dibromochloromethane
Concen: 54.221 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.5	115.3





#61

1,2-Dibromoethane

Concen: 53.857 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 188487

Ion Ratio Lower Upper

107 100

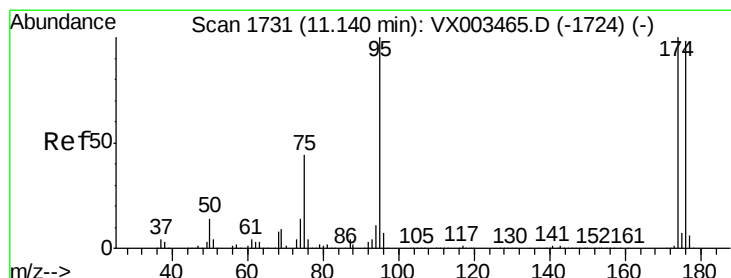
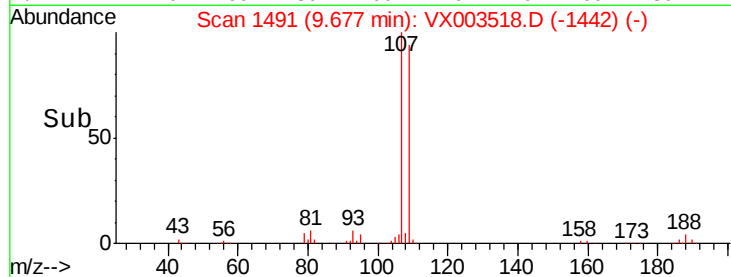
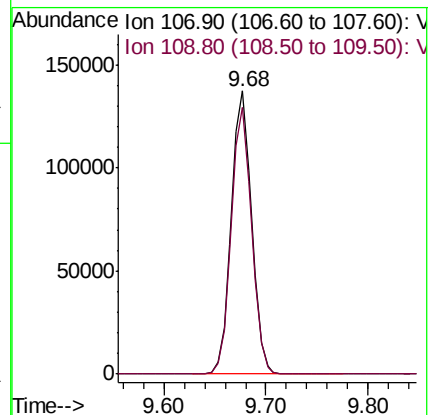
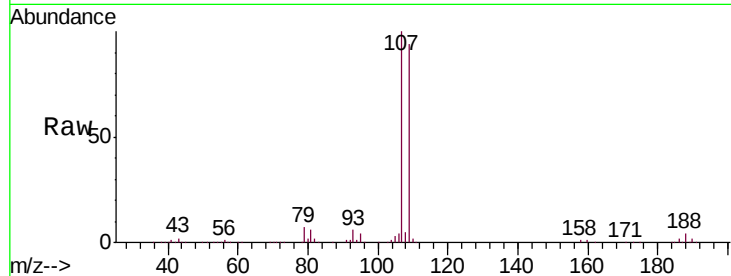
109 94.5 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.994 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

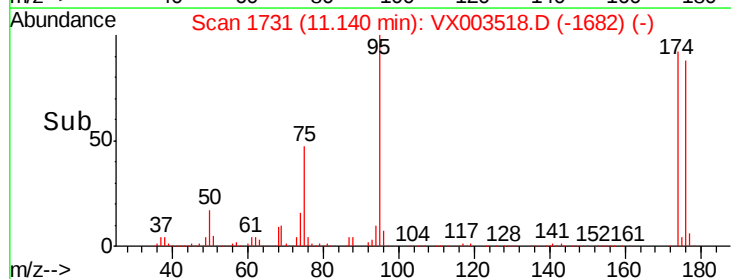
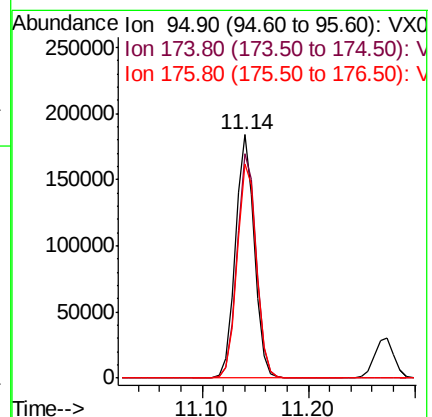
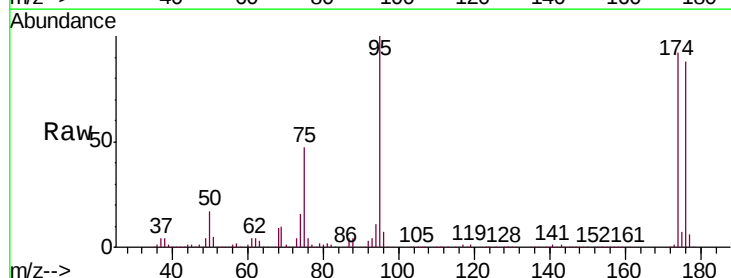
Tgt Ion: 95 Resp: 228929

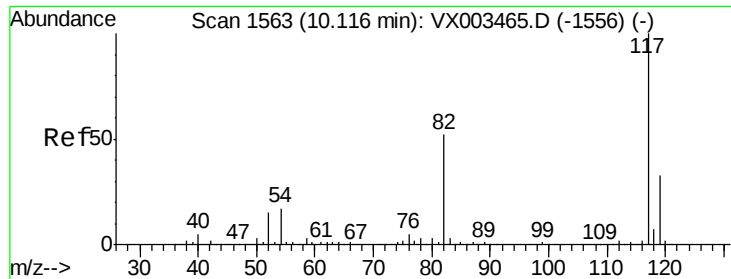
Ion Ratio Lower Upper

95 100

174 94.2 0.0 187.4

176 90.9 0.0 181.0





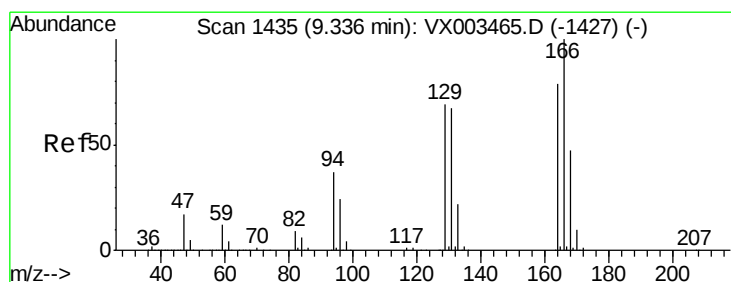
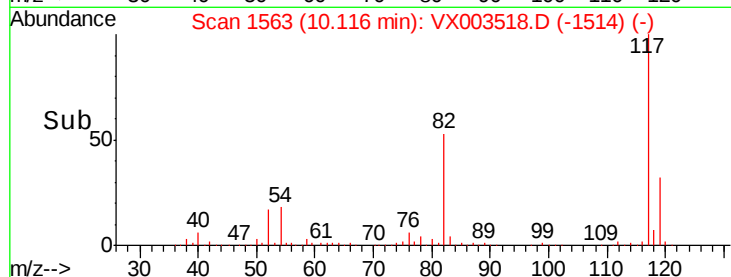
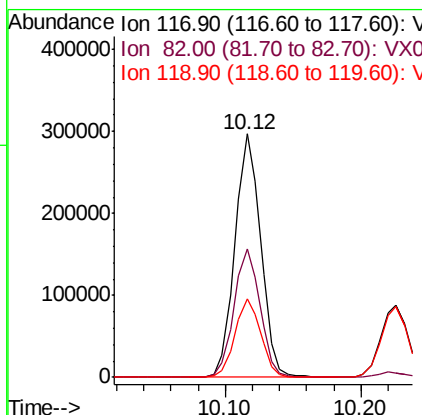
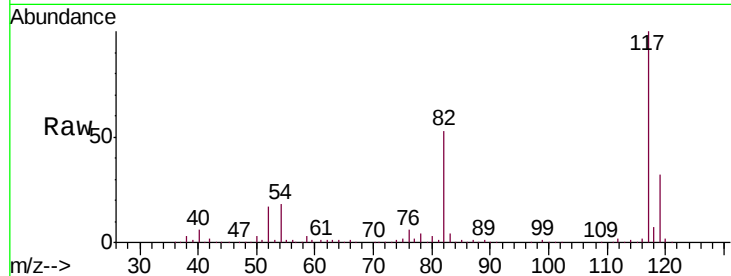
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	45.0	67.4
119	32.1	25.8	38.6

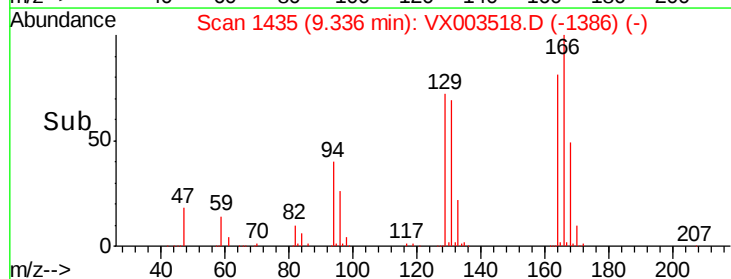
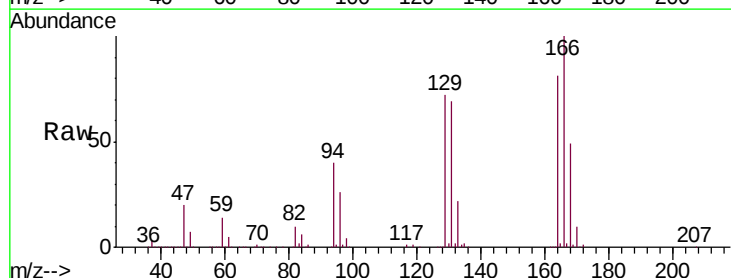
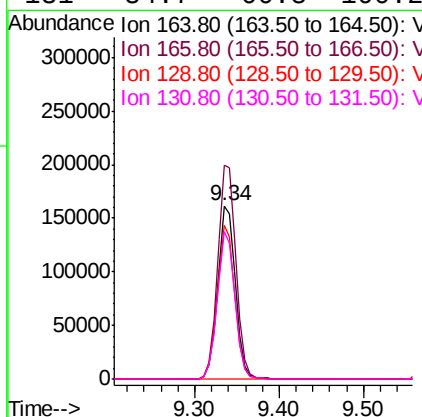
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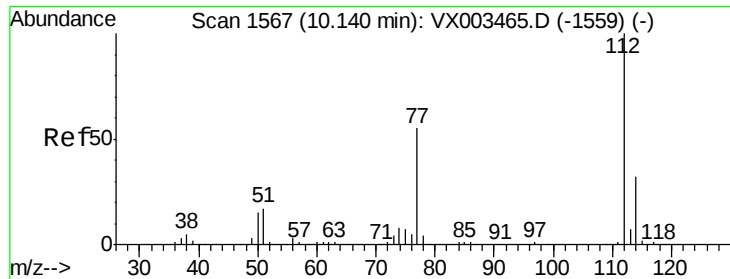
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#64
Tetrachloroethene
Concen: 49.049 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	102.9	154.3
129	88.9	68.6	102.8
131	84.7	66.8	100.2





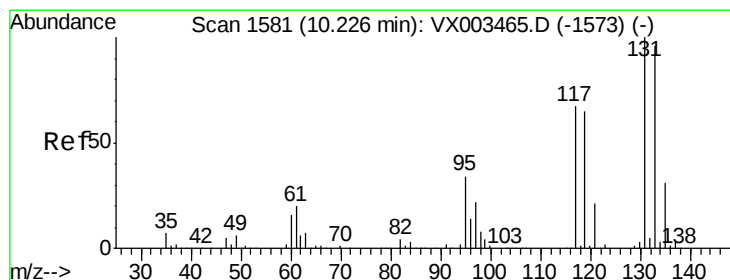
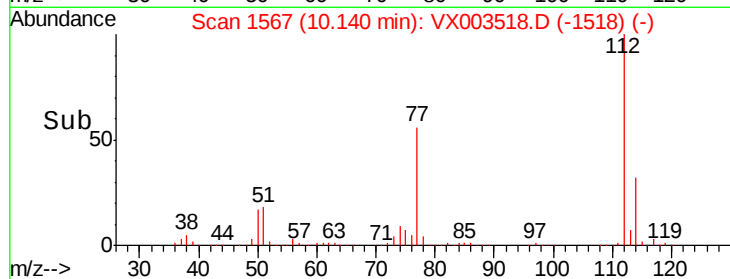
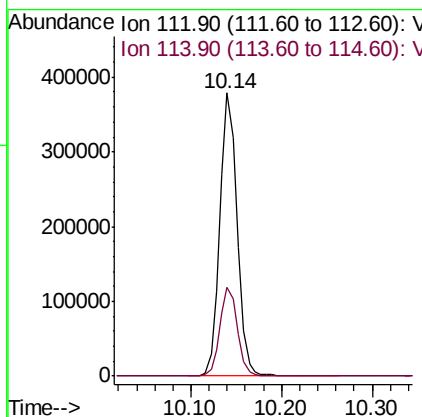
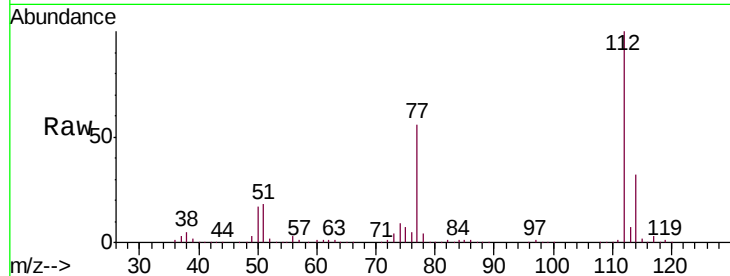
#65
Chlorobenzene
Concen: 49.875 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 505823
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9

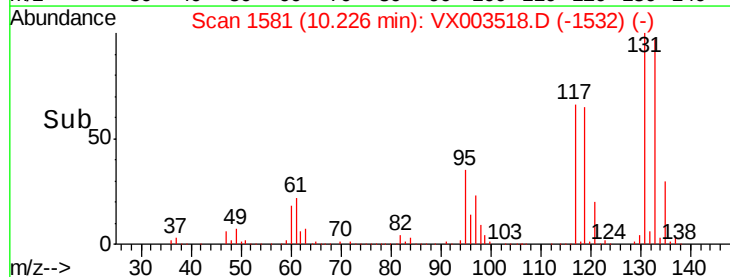
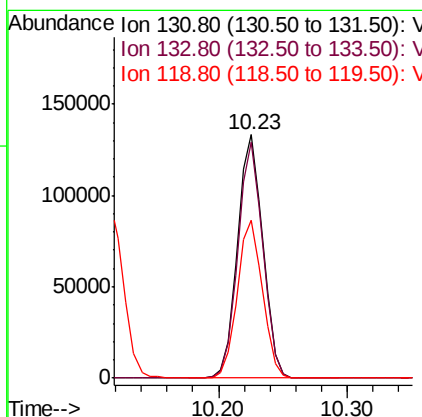
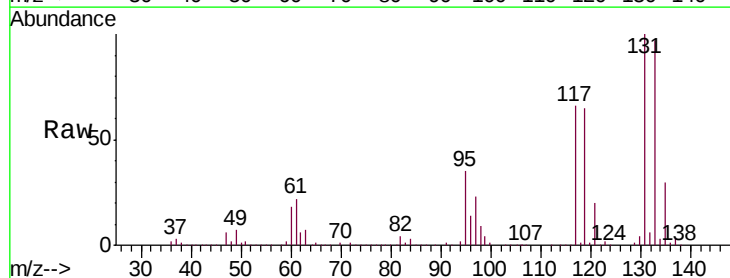
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.929 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion:131 Resp: 181203
Ion Ratio Lower Upper
131 100
133 95.2 47.9 143.6
119 64.5 31.8 95.3





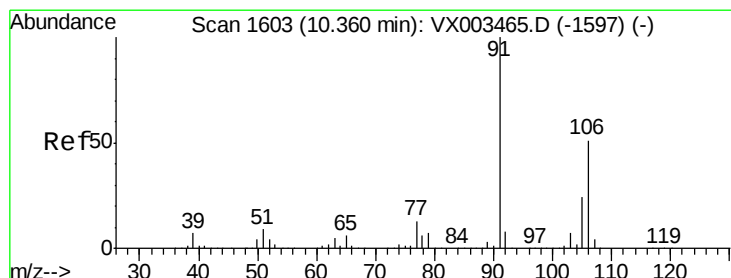
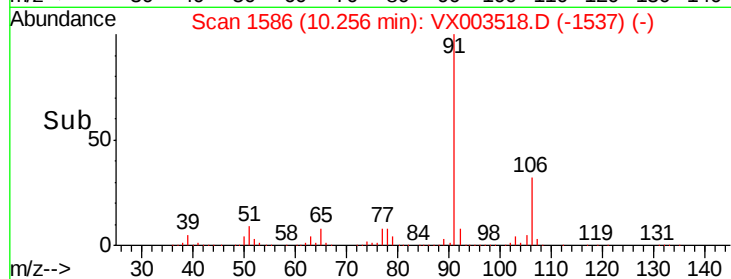
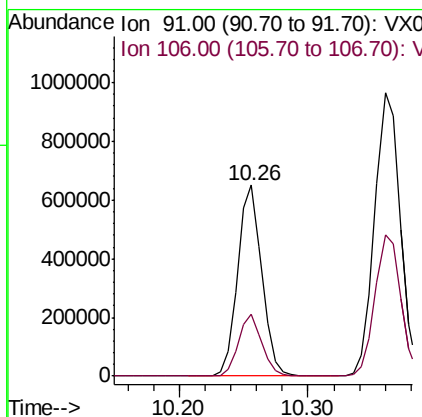
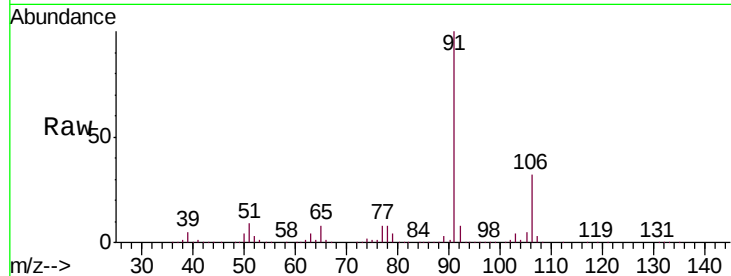
#67
Ethyl Benzene
Concen: 52.081 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 849256
Ion Ratio Lower Upper
91 100
106 32.2 25.5 38.3

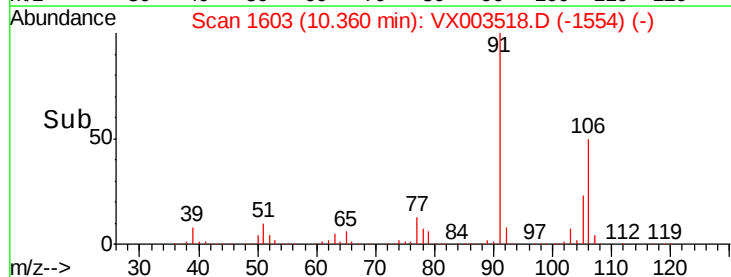
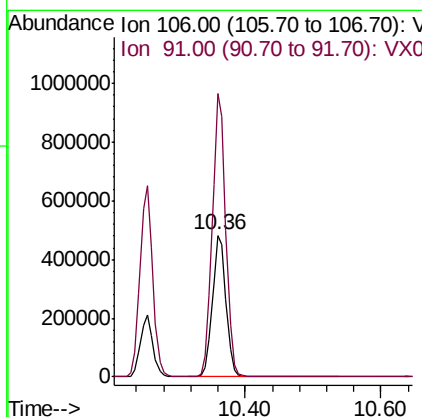
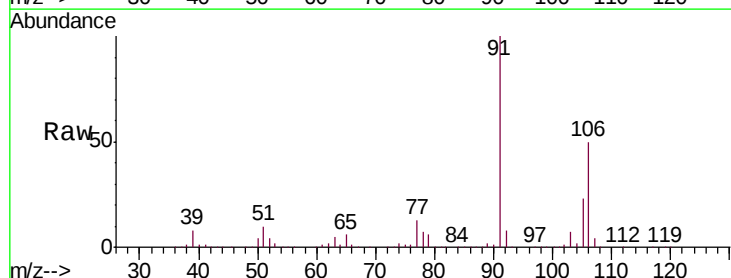
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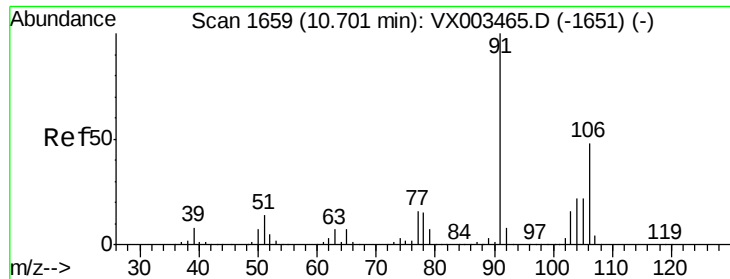
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#68
m/p-Xylenes
Concen: 104.376 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion: 106 Resp: 667260
Ion Ratio Lower Upper
106 100
91 198.3 163.4 245.2





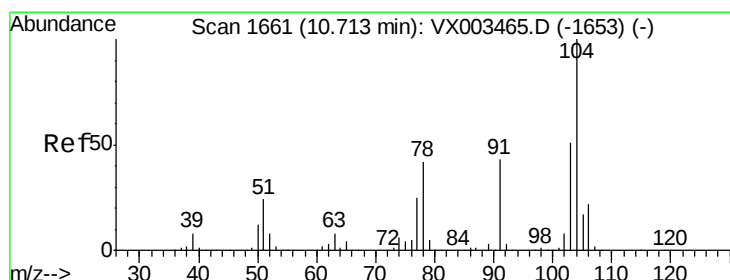
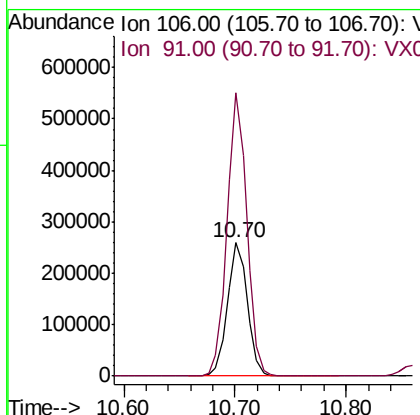
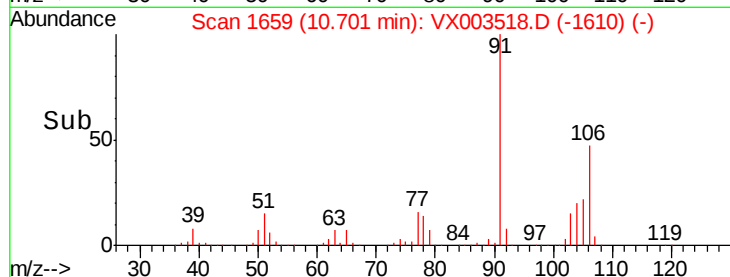
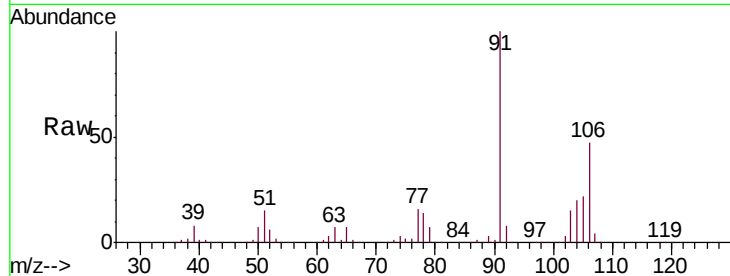
#69
o-Xylene
Concen: 52.287 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 323229
Ion Ratio Lower Upper
106 100
91 209.7 108.2 324.6

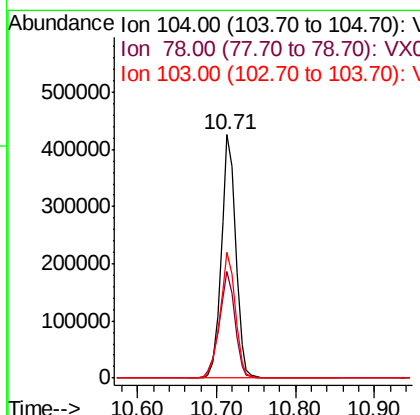
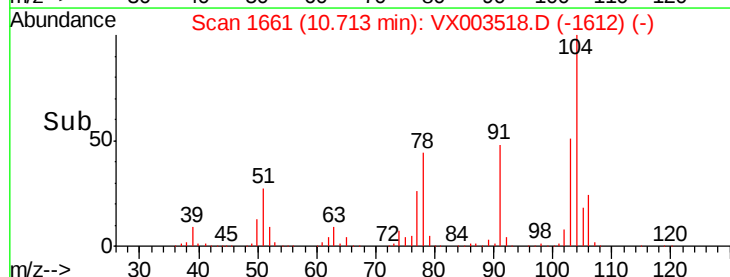
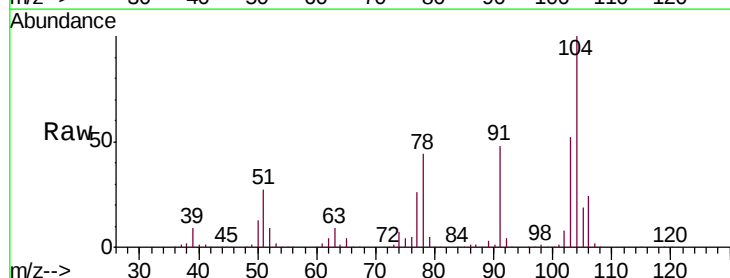
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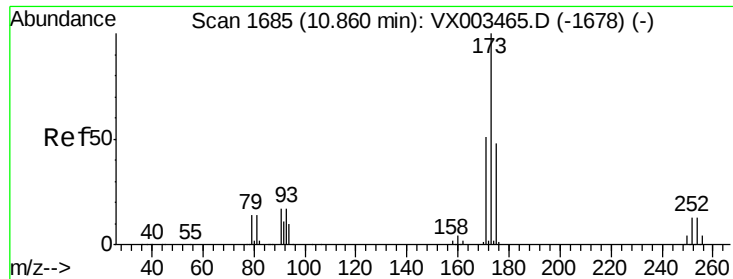
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#70
Styrene
Concen: 53.489 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion:104 Resp: 543903
Ion Ratio Lower Upper
104 100
78 47.5 41.0 61.6
103 55.0 44.2 66.4





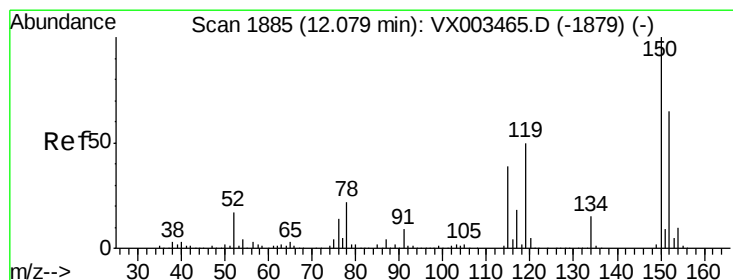
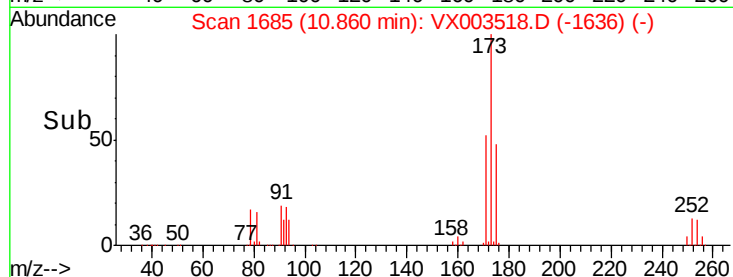
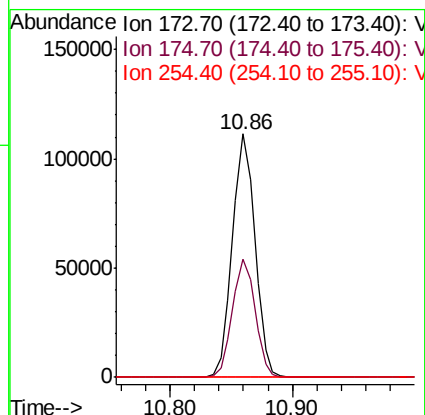
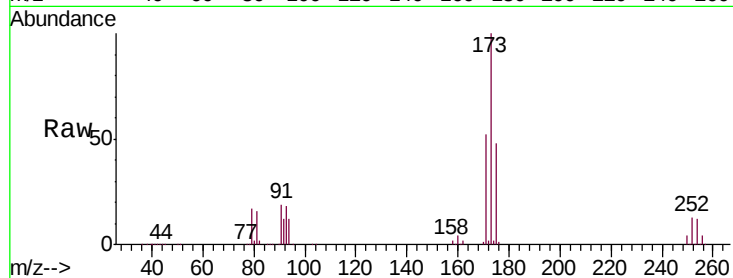
#71
Bromoform
Concen: 52.380 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.7	74.1
254	0.1	0.2	0.2

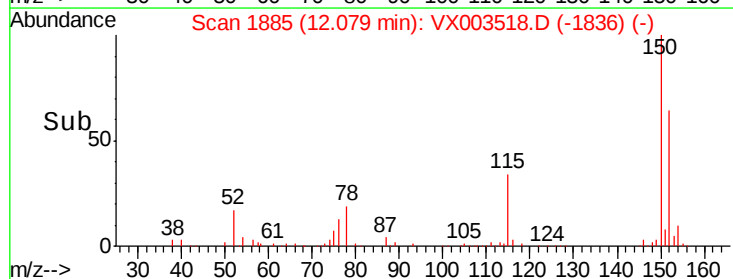
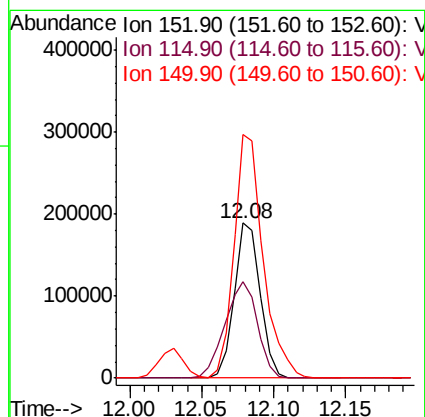
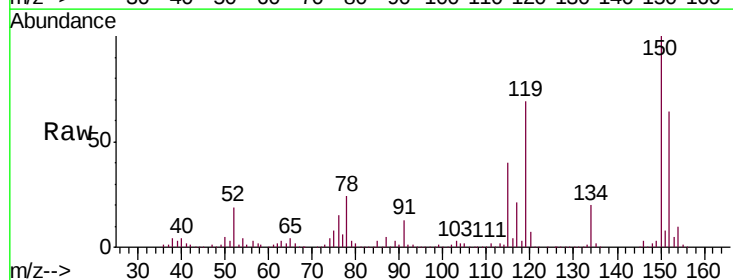
Manual Integrations
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	40.1	120.2
150	175.5	0.0	347.2





#73

Isopropylbenzene

Concen: 52.147 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 862006

Ion Ratio Lower Upper

105 100

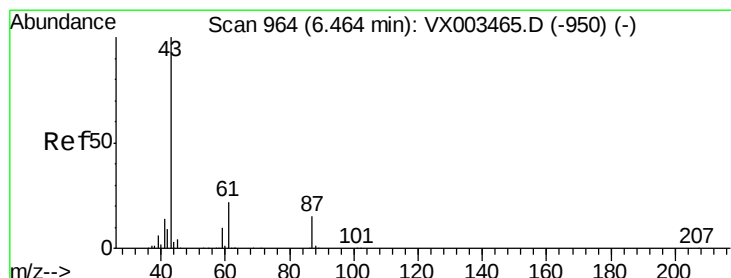
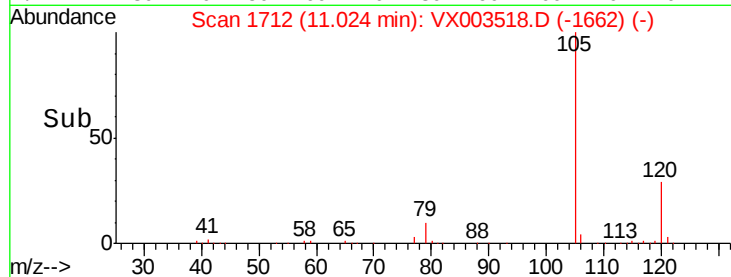
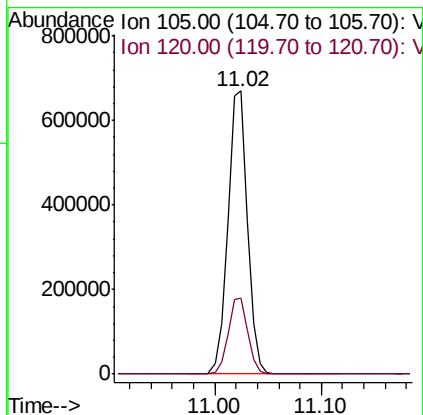
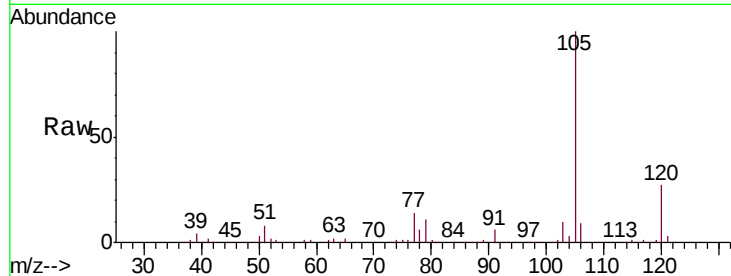
120 26.9 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 53.239 ug/l

RT: 6.47 min Scan# 965

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Tgt Ion: 43 Resp: 373687

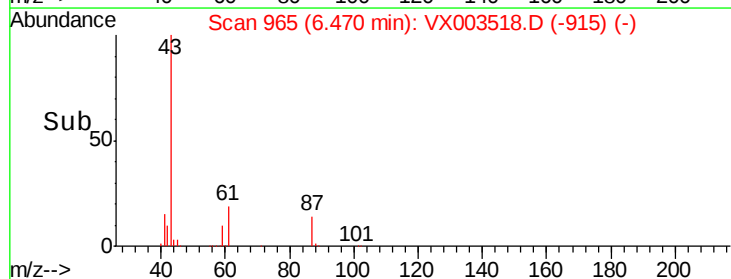
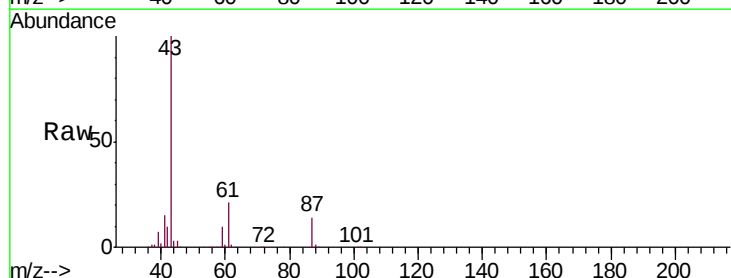
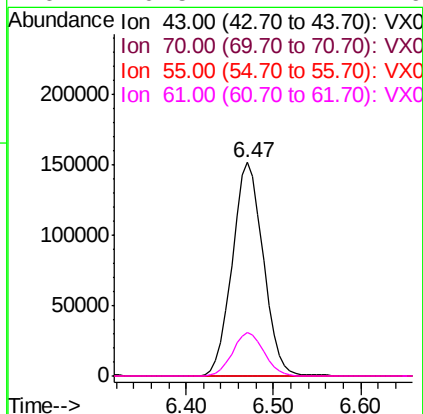
Ion Ratio Lower Upper

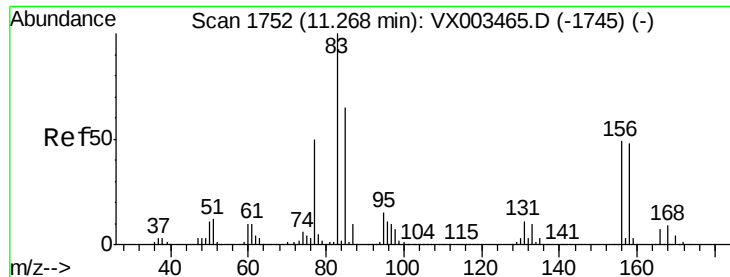
43 100

70 0.0 0.0 0.0

55 0.1 0.0 0.0#

61 20.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 53.383 ug/l

RT: 11.27 min Scan# 1753

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 258592

Ion Ratio Lower Upper

83 100

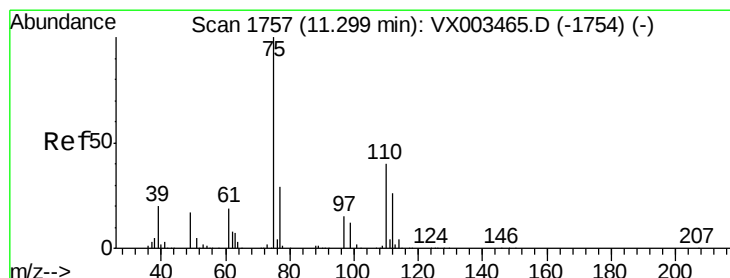
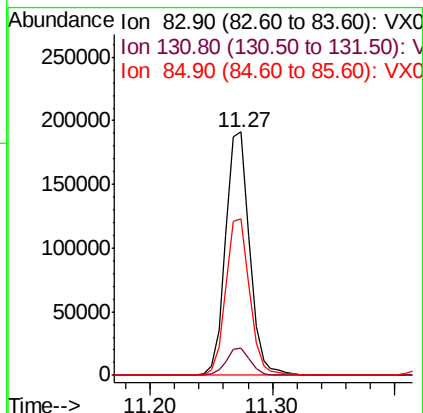
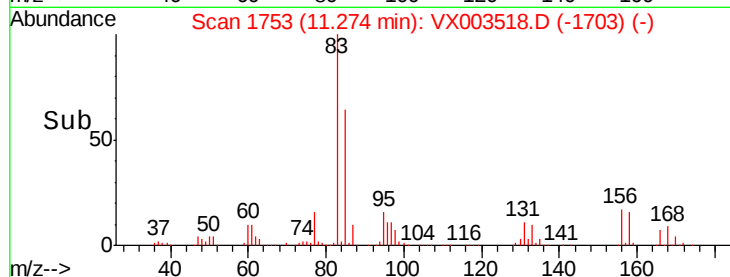
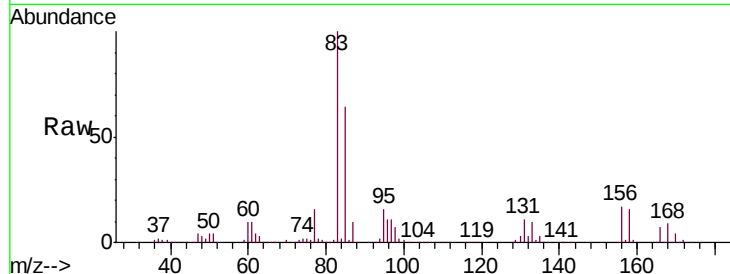
131 10.9 5.6 16.8

85 64.2 32.4 97.2

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#76

1,2,3-Trichloropropane

Concen: 61.405 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003518.D

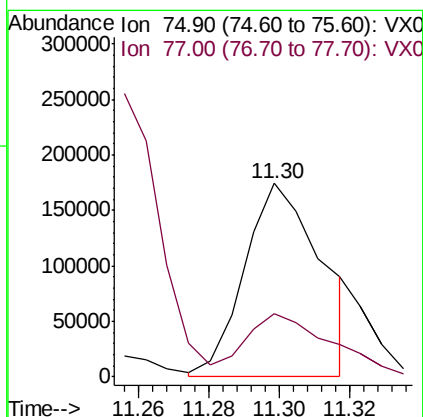
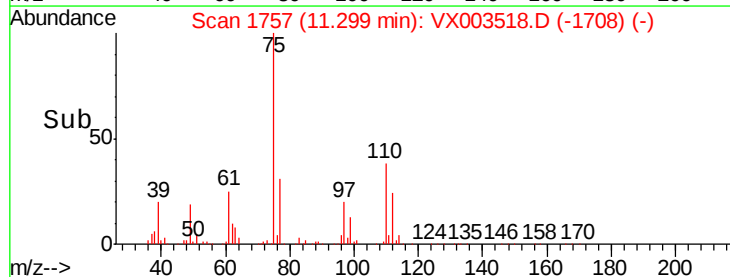
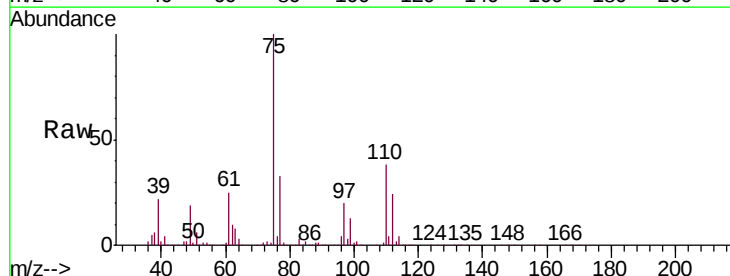
Acq: 20 Jul 2018 19:11

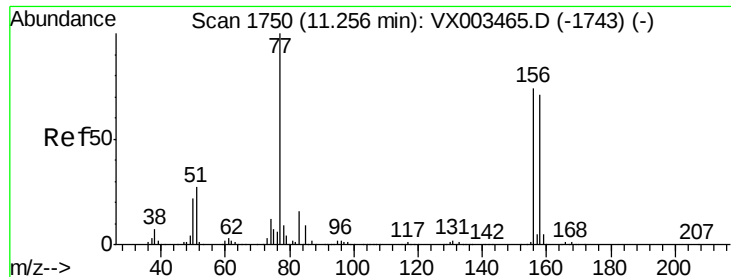
Tgt Ion: 75 Resp: 263667

Ion Ratio Lower Upper

75 100

77 37.1 22.8 68.3





#77

Bromobenzene

Concen: 48.881 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 232399

Ion Ratio Lower Upper

156 100

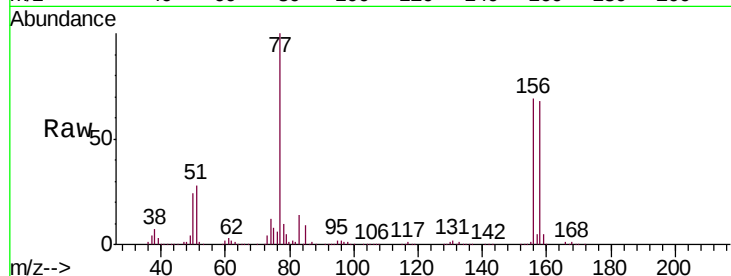
77 139.6 71.4 214.2

158 97.9 48.9 146.6

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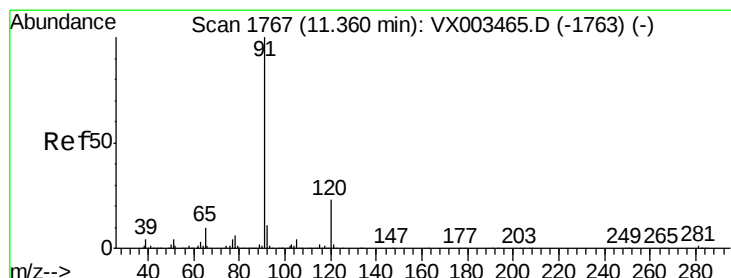
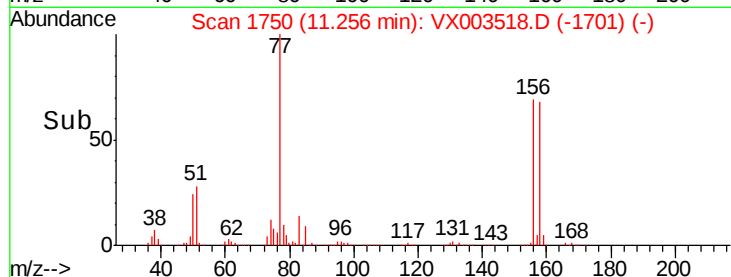
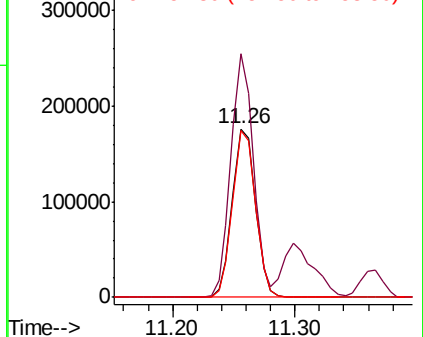
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.797 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003518.D

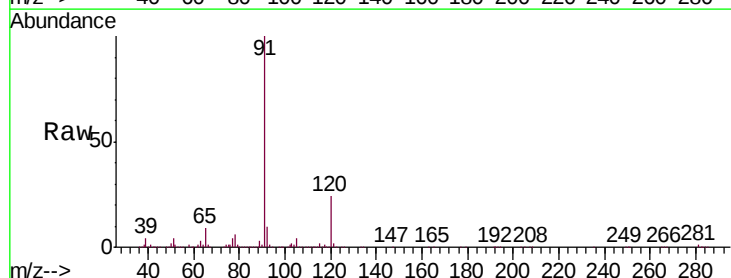
Acq: 20 Jul 2018 19:11

Tgt Ion: 91 Resp: 970144

Ion Ratio Lower Upper

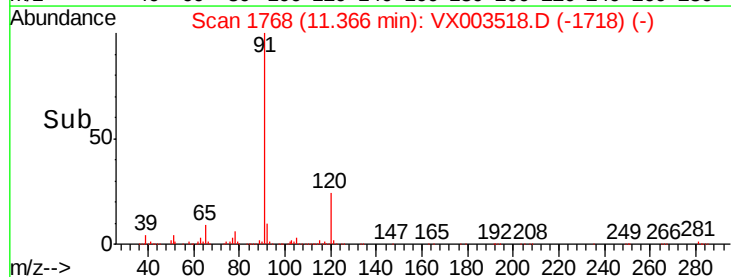
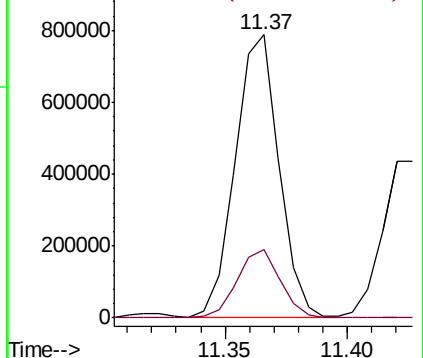
91 100

120 24.1 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.403 ug/l

RT: 11.43 min Scan# 1778

Delta R.T. 0.01 min

Lab File: VX003518.D

Acq: 20 Jul 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 573398

Ion Ratio Lower Upper

91 100

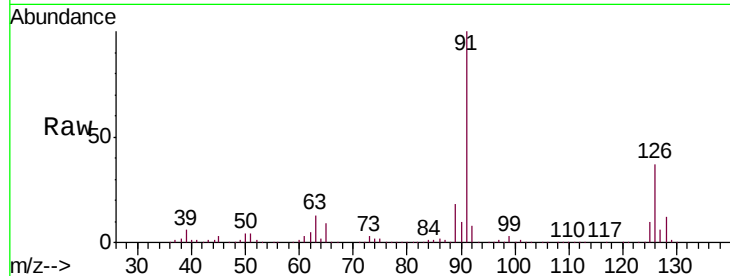
126 36.2 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX003465.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003465.D (-1773) (-)

800000

600000

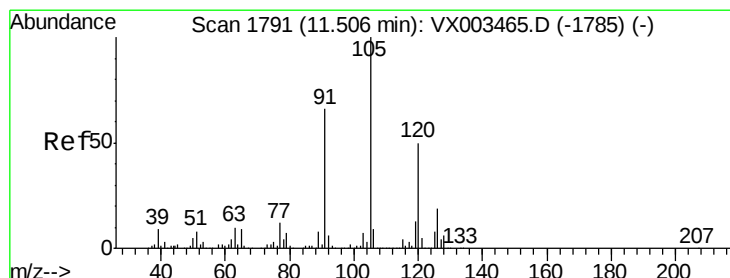
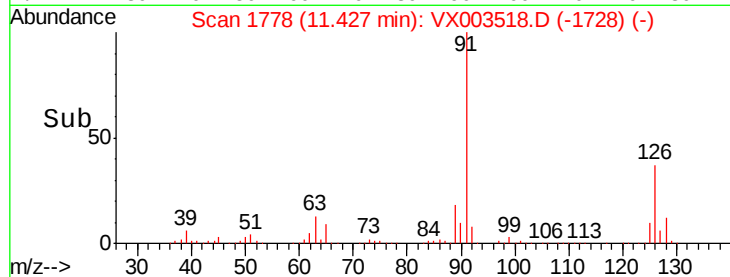
400000

200000

0

11.40 11.43 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.538 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003518.D

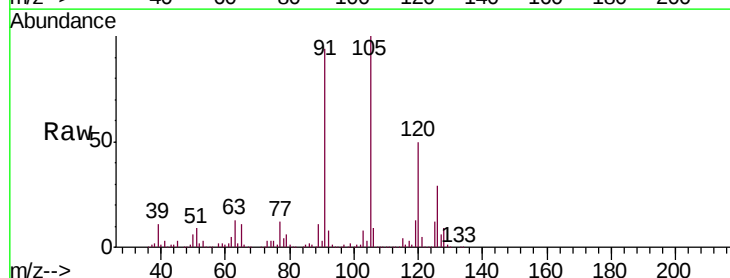
Acq: 20 Jul 2018 19:11

Tgt Ion: 105 Resp: 713738

Ion Ratio Lower Upper

105 100

120 49.8 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003465.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003465.D (-1785) (-)

600000

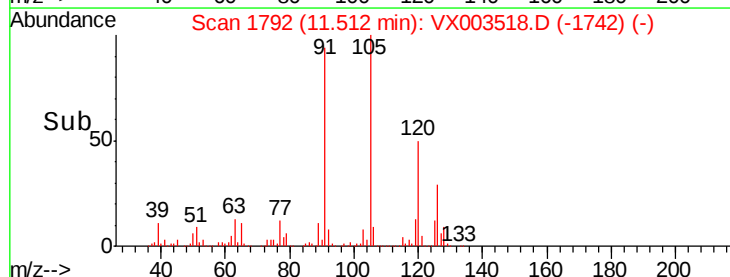
400000

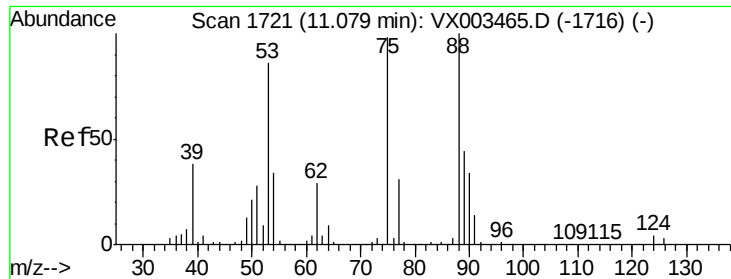
200000

0

11.40 11.50 11.60

Time-->





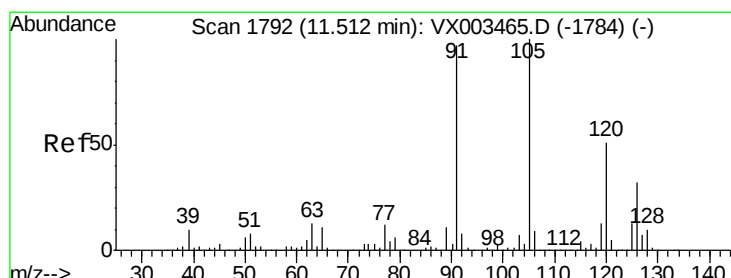
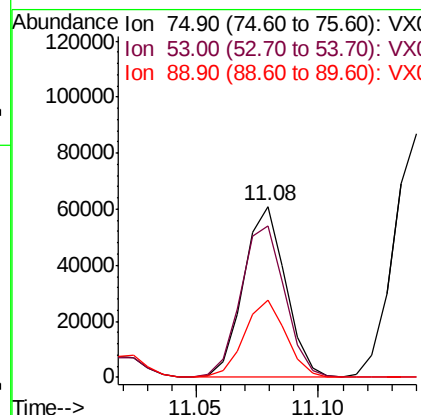
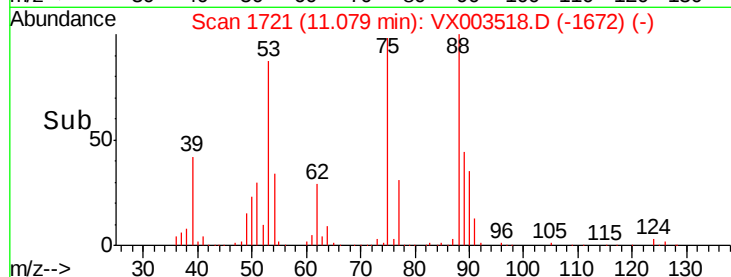
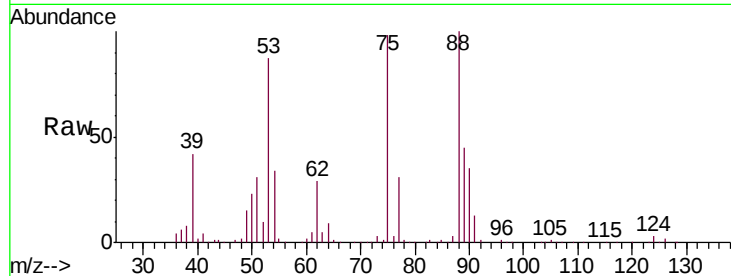
#81
trans-1,4-Dichloro-2-butene
Concen: 48.301 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	86.8	130.2
89	44.7	38.2	57.2

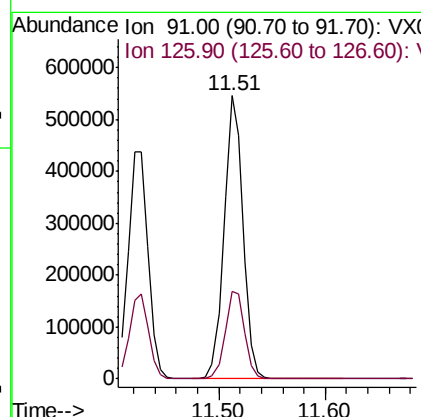
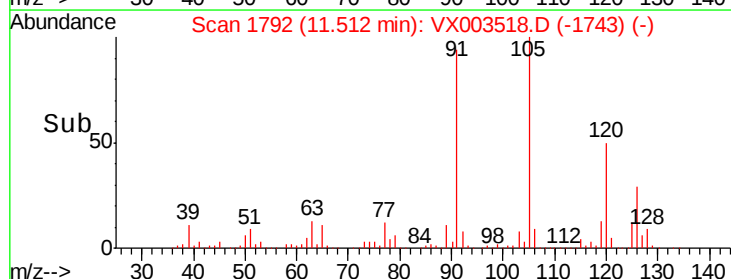
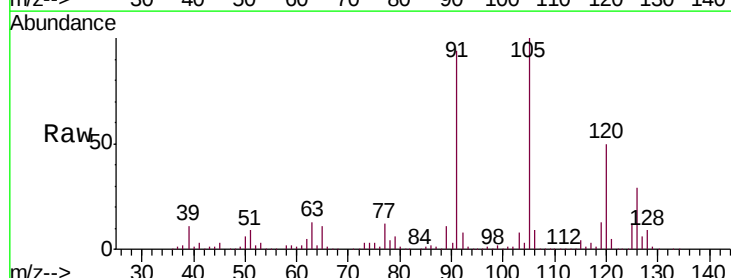
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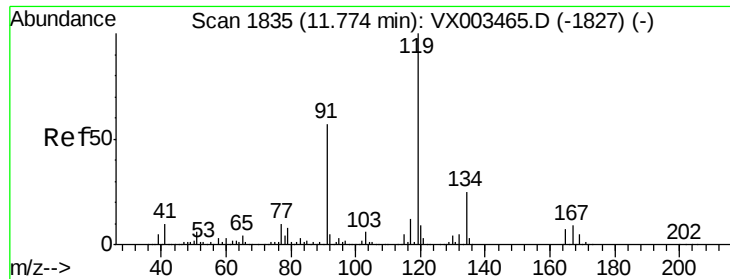
MMDadoda
7/23/2018 12:35:43 PM



#82
4-Chlorotoluene
Concen: 51.384 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.4





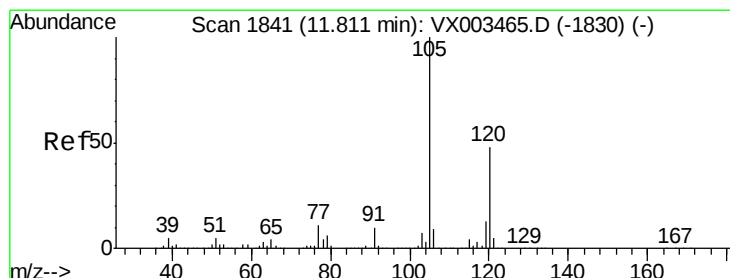
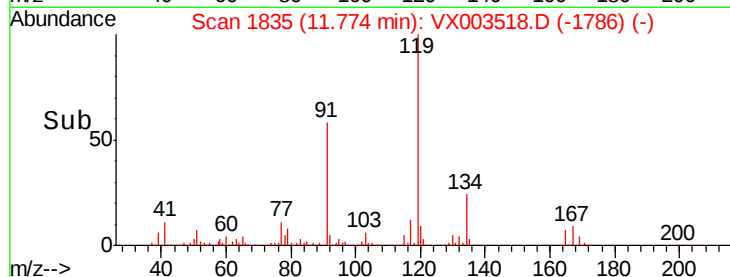
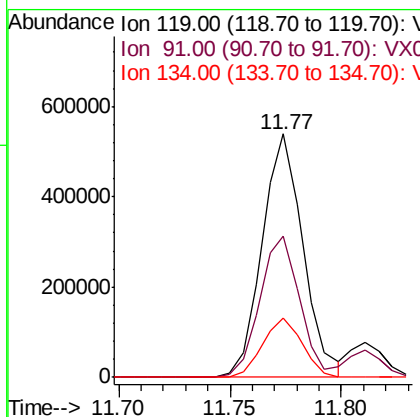
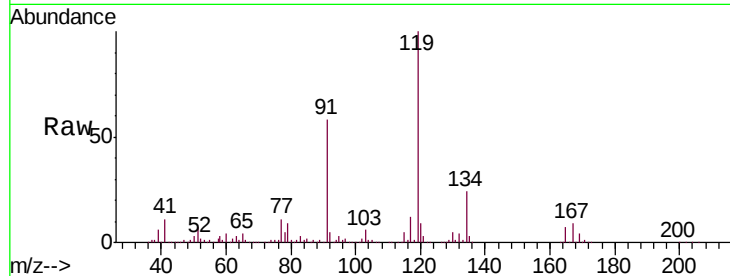
#83
tert-Butylbenzene
Concen: 51.599 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	686485		
91	56.5	30.3	90.9	
134	23.8	11.7	35.1	

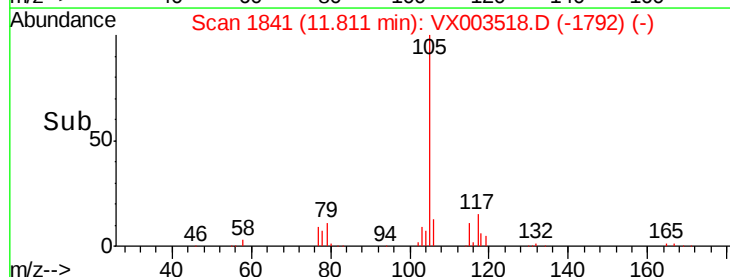
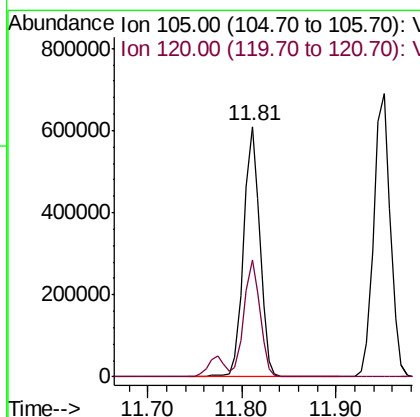
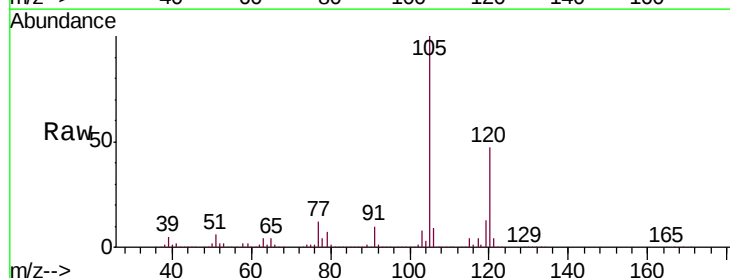
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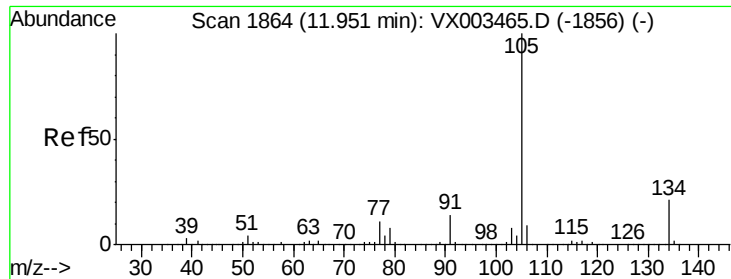
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#84
1,2,4-Trimethylbenzene
Concen: 52.834 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	730355		
120	46.2	22.3	66.8	





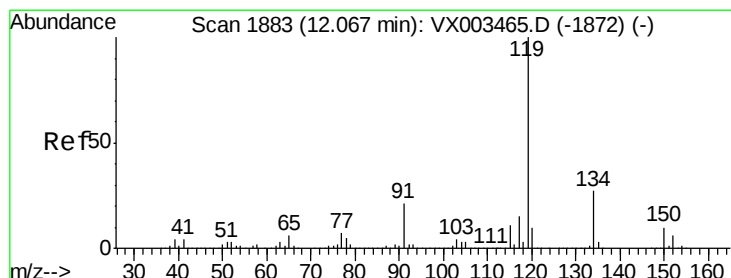
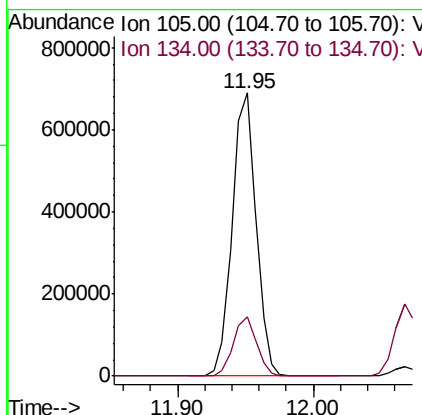
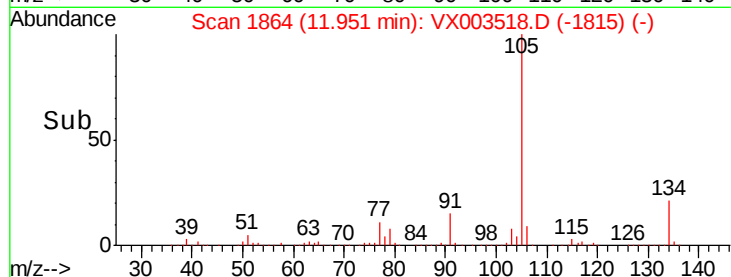
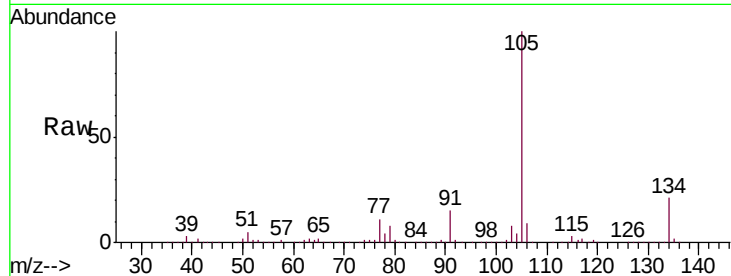
#85
 sec-Butylbenzene
 Concen: 52.047 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 841064
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.4 31.1

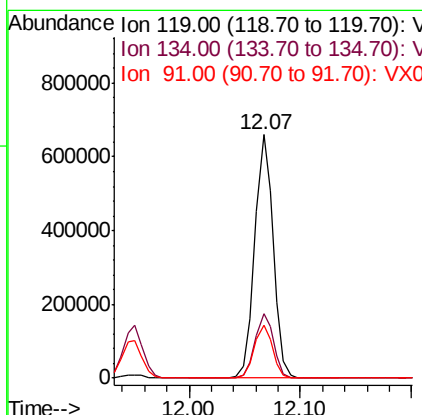
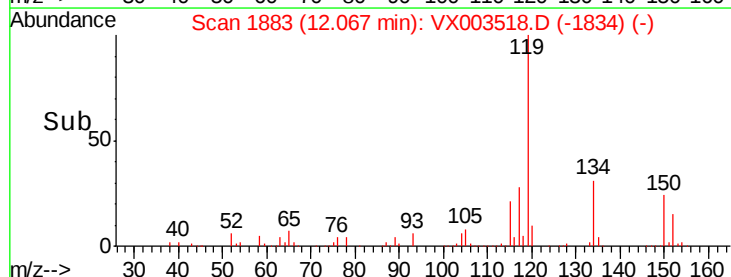
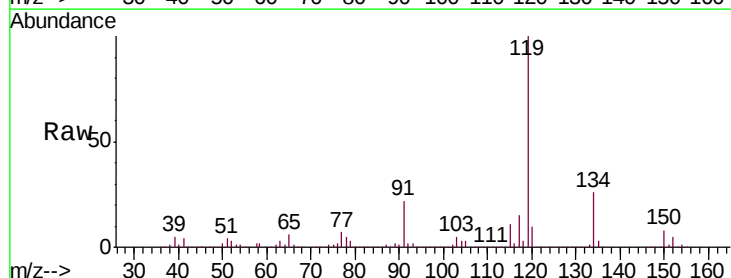
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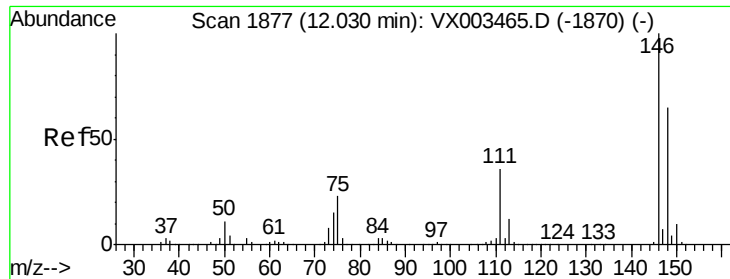
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#86
 p-Isopropyltoluene
 Concen: 52.572 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion:119 Resp: 762420
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.1
 91 21.9 11.9 35.7





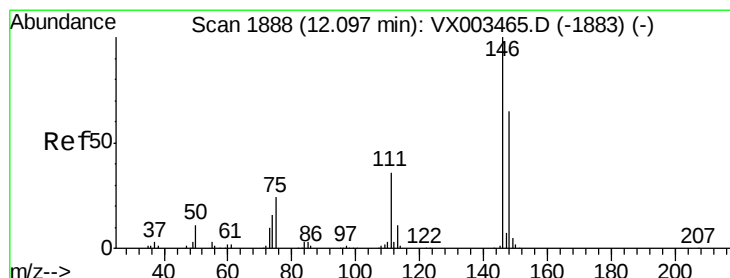
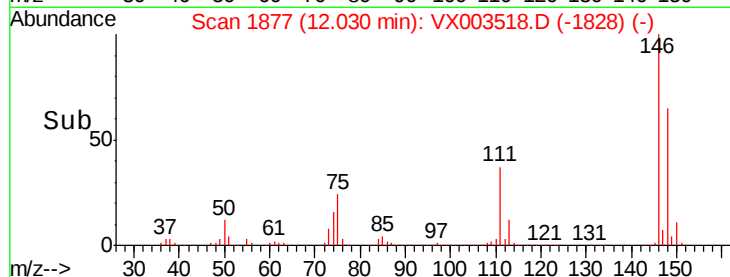
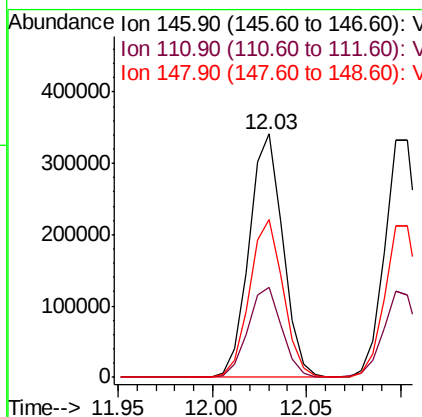
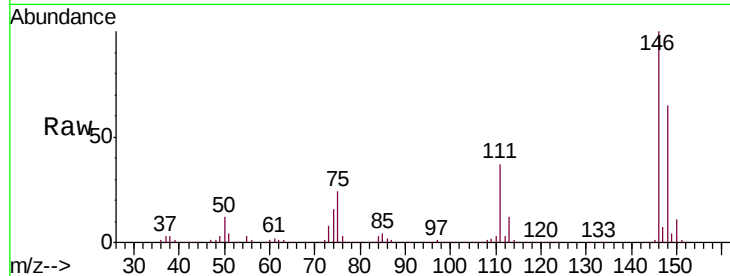
#87
 1,3-Dichlorobenzene
 Concen: 48.488 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.7
148	64.4	32.1	96.3

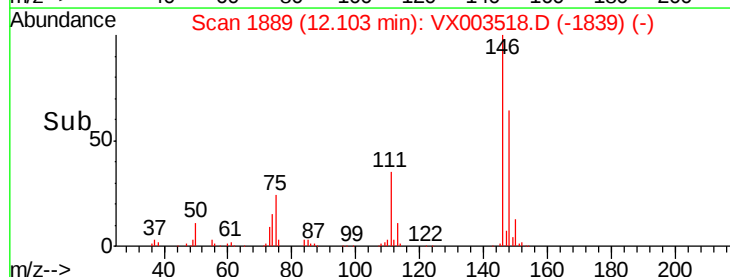
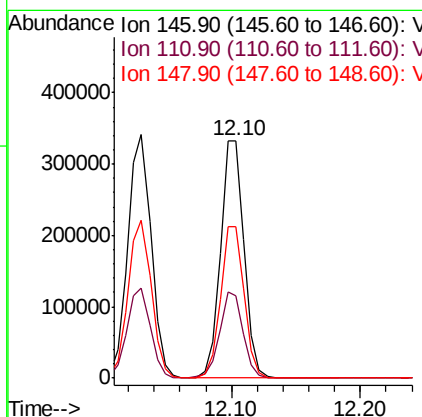
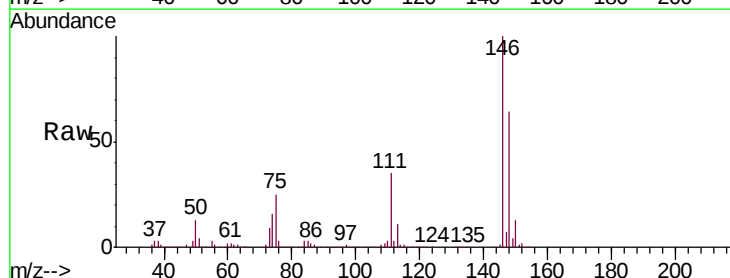
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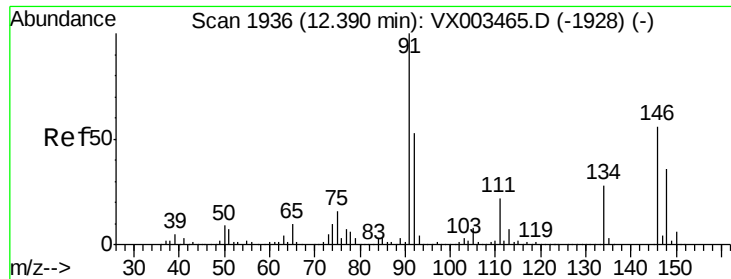
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.608 ug/l
 RT: 12.10 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.7	56.1
148	64.1	32.4	97.0





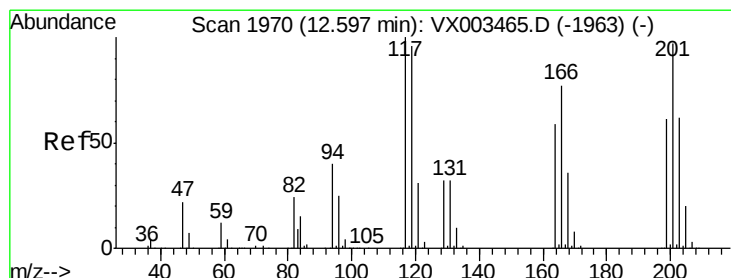
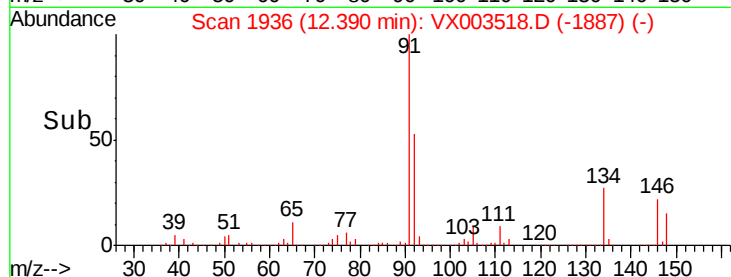
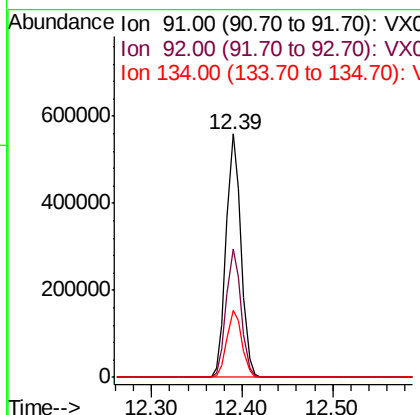
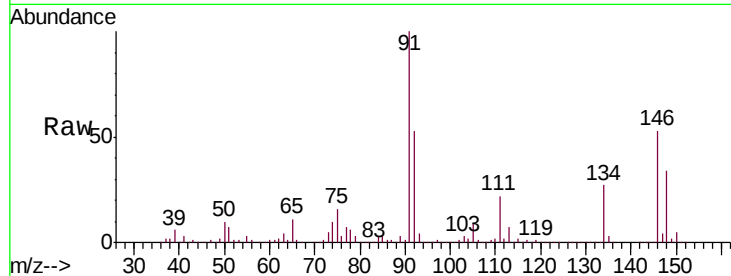
#89
n-Butylbenzene
Concen: 51.755 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.0	78.0
134	27.6	13.5	40.5

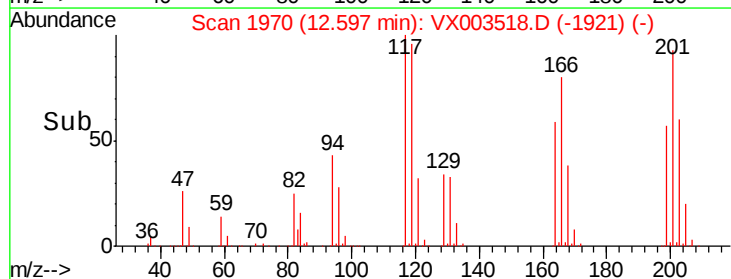
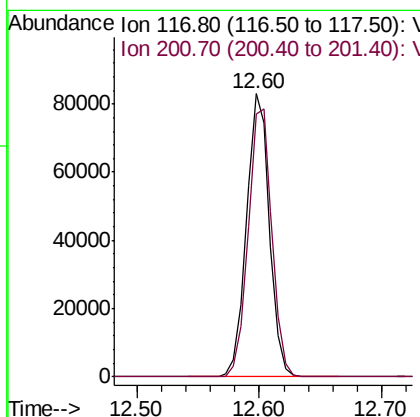
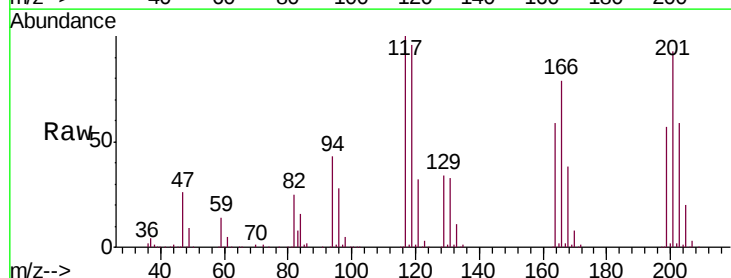
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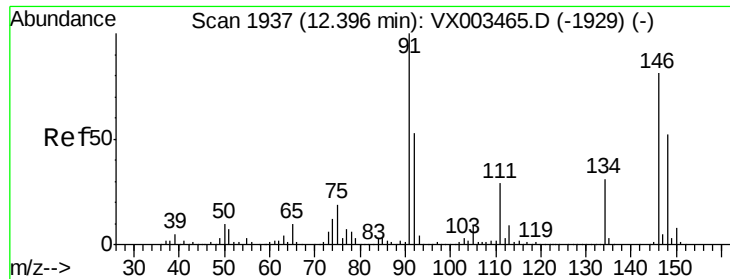
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#90
Hexachloroethane
Concen: 52.095 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	98.3	49.0	147.0





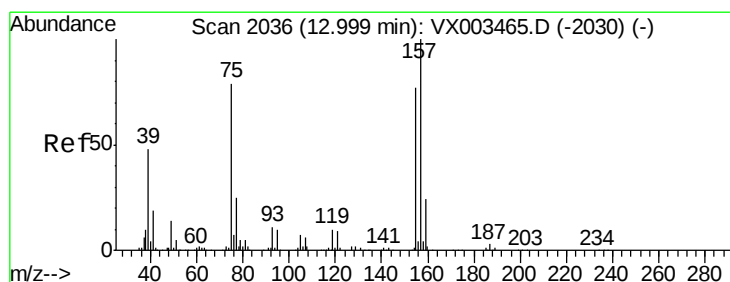
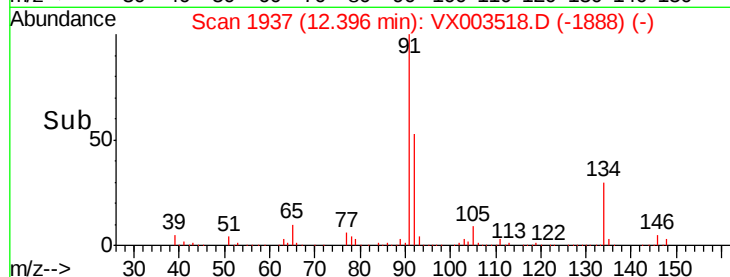
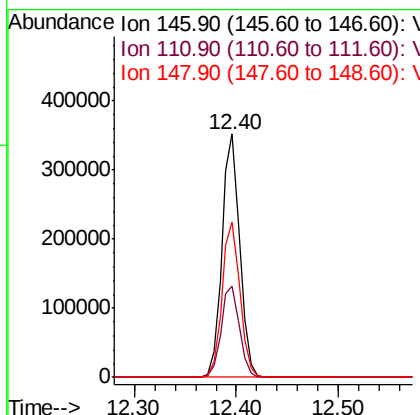
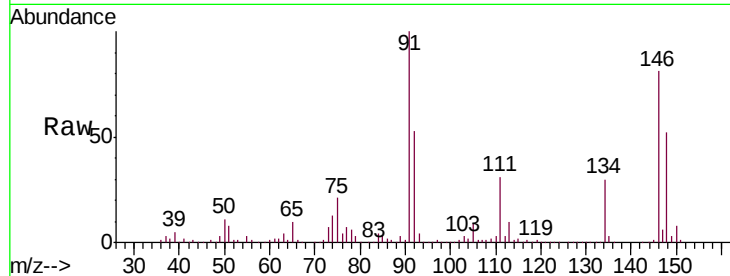
#91
 1,2-Dichlorobenzene
 Concen: 49.591 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	64.4	31.7	95.1

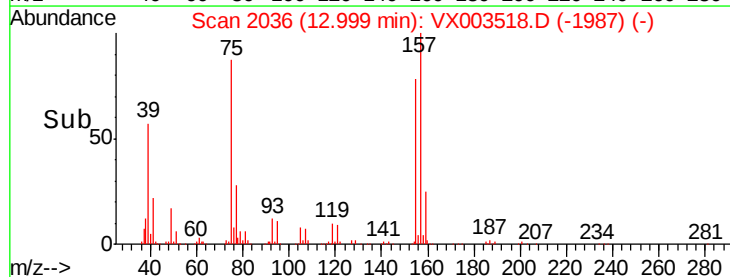
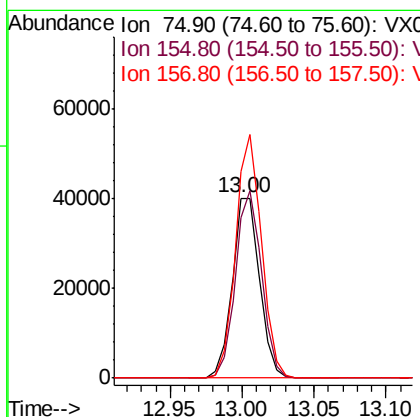
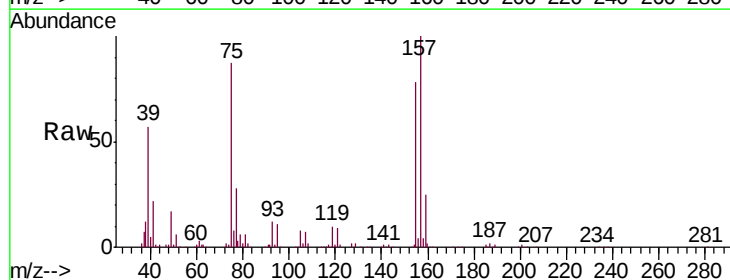
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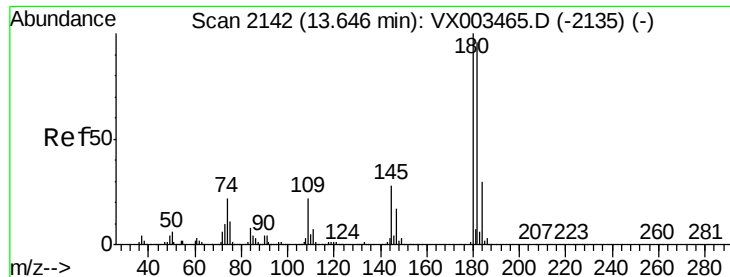
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.815 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.7	45.8	137.4
157	127.4	60.1	180.3





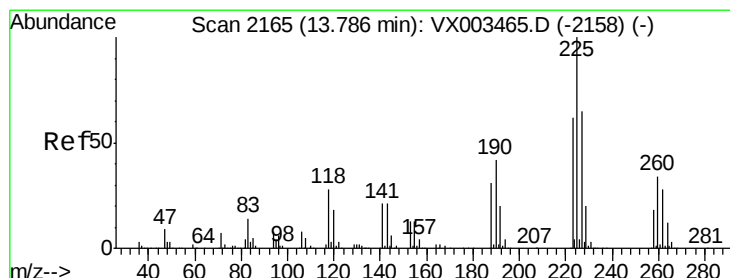
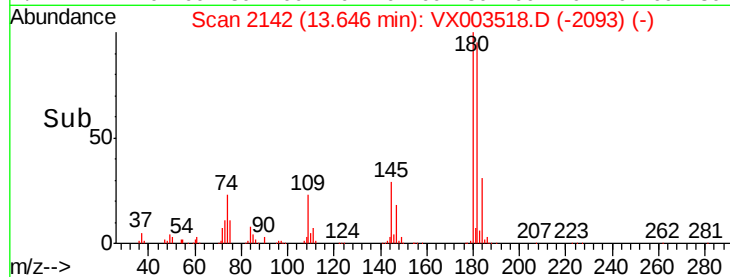
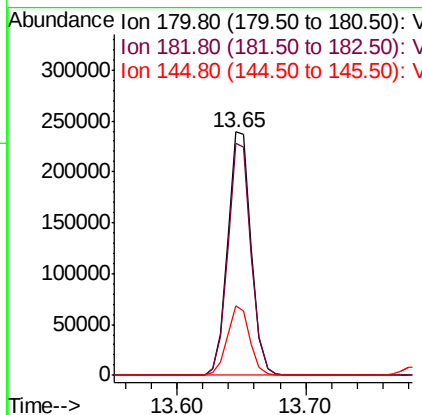
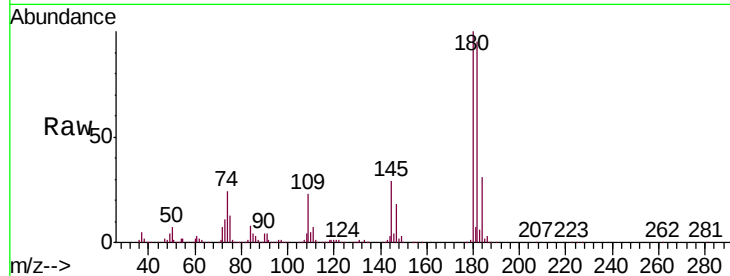
#93
 1,2,4-Trichlorobenzene
 Concen: 48.196 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	304250		
182	94.8	47.7	143.1	
145	27.6	14.1	42.4	

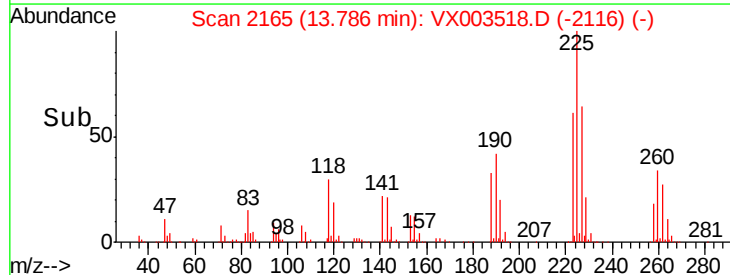
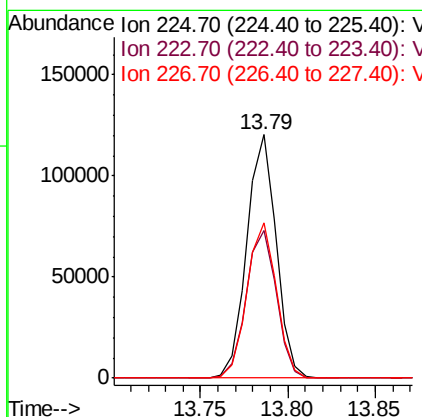
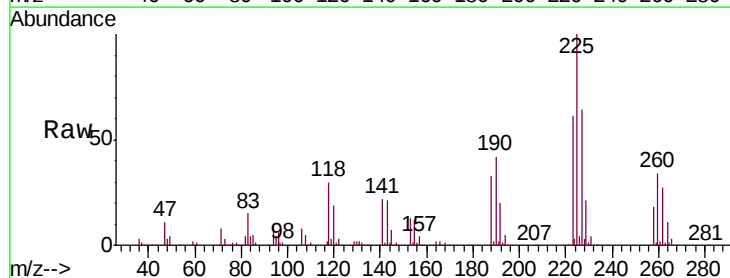
Manual Integrations
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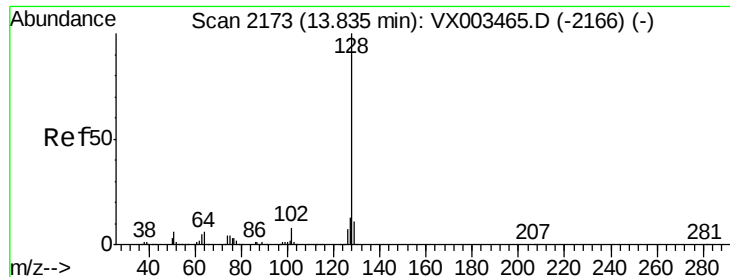
MMDadoda
 7/23/2018 12:35:43 PM



#94
 Hexachlorobutadiene
 Concen: 46.492 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003518.D
 Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	141149		
223	62.4	31.6	95.0	
227	63.9	32.4	97.2	





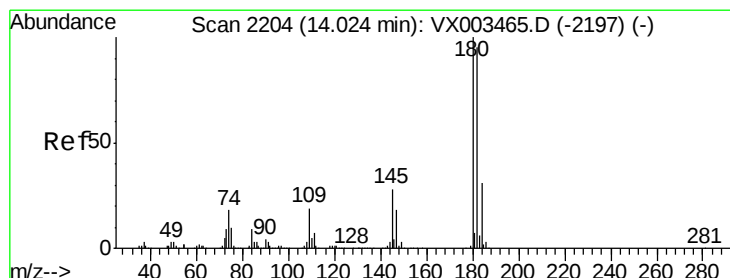
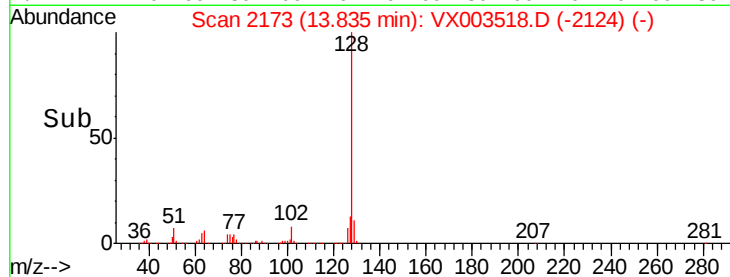
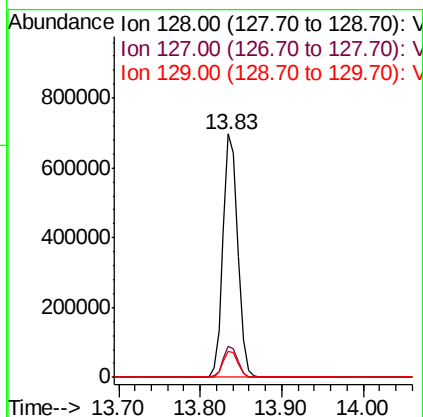
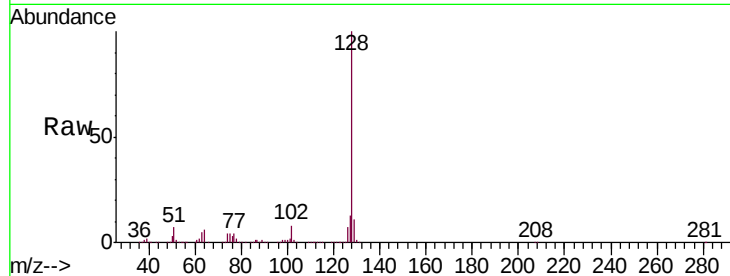
#95
Naphthalene
Concen: 52.930 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:35:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.494 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003518.D
Acq: 20 Jul 2018 19:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	29.2	14.8	44.3

