

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072118\
 Data File : VX003589.D
 Acq On : 22 Jul 2018 07:40
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 7/23/2018 3:20:15 PM

Quant Time: Jul 23 07:10:55 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	311325	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	387453	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	367523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	227900	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	160897	43.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.32%	
35) Dibromofluoromethane	5.50	113	169343	57.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.76%	
50) Toluene-d8	8.72	98	565814	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.14	95	206038	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	115304	46.60	ug/l	95
3) Chloromethane	1.32	50	161494	52.78	ug/l	99
4) Vinyl Chloride	1.40	62	169508	42.86	ug/l	98
5) Bromomethane	1.64	94	76711	48.69	ug/l	97
6) Chloroethane	1.72	64	109926	46.97	ug/l	99
7) Trichlorofluoromethane	1.93	101	241118	45.70	ug/l	95
8) Diethyl Ether	2.19	74	105010	46.34	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	150205	43.49	ug/l	96
10) Methyl Iodide	2.51	142	217714	52.48	ug/l	92
11) Tert butyl alcohol	3.07	59	194428	266.62	ug/l	99
12) 1,1-Dichloroethene	2.37	96	144447	45.43	ug/l	92
13) Acrolein	2.30	56	62238	188.89	ug/l	95
14) Allyl chloride	2.73	41	261341	46.43	ug/l #	84
15) Acrylonitrile	3.15	53	445907	240.18	ug/l	96
16) Acetone	2.45	43	367060	263.69	ug/l	100
17) Carbon Disulfide	2.57	76	398860	46.38	ug/l	97
18) Methyl Acetate	2.78	43	216126	49.25	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	499107	48.07	ug/l	96
20) Methylene Chloride	2.86	84	171845	50.50	ug/l #	83
21) trans-1,2-Dichloroethene	3.17	96	163427	46.19	ug/l #	78
22) Diisopropyl ether	3.87	45	561954	53.05	ug/l #	89
23) Vinyl Acetate	3.83	43	2159375	247.50	ug/l	98
24) 1,1-Dichloroethane	3.70	63	325157	52.32	ug/l	99
25) 2-Butanone	4.71	43	592101	253.52	ug/l	91
26) 2,2-Dichloropropane	4.59	77	137326	29.09	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	205954	52.28	ug/l	87
28) Bromochloromethane	5.03	49	131247	48.32	ug/l #	79
29) Tetrahydrofuran	5.16	42	377601	244.74	ug/l #	83
30) Chloroform	5.22	83	320220	52.77	ug/l	99
31) Cyclohexane	5.57	56	253672	45.69	ug/l	93
32) 1,1,1-Trichloroethane	5.50	97	252612	48.61	ug/l	94
36) 1,1-Dichloropropene	5.80	75	207118	49.51	ug/l	96
37) Ethyl Acetate	4.86	43	229137	57.89	ug/l #	95
38) Carbon Tetrachloride	5.78	117	224940	54.82	ug/l	86

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	241329	48.71	ug/l	93
40) Benzene	6.14	78	653701	51.76	ug/l	96
41) Methacrylonitrile	5.07	41	130011	55.88	ug/l	92
42) 1,2-Dichloroethane	6.21	62	217340	54.62	ug/l	96
43) Isopropyl Acetate	6.46	43	316521	50.27	ug/l #	92
44) Trichloroethene	7.22	130	192269	51.05	ug/l	89
45) 1,2-Dichloropropane	7.52	63	163178	50.88	ug/l	100
46) Dibromomethane	7.67	93	106700	51.68	ug/l	92
47) Bromodichloromethane	7.90	83	200174	52.96	ug/l	98
48) Methyl methacrylate	7.78	41	163464	51.48	ug/l #	82
49) 1,4-Dioxane	7.76	88	77104	1071.64	ug/l #	93
51) 4-Methyl-2-Pentanone	8.65	43	1057350	265.80	ug/l	91
52) Toluene	8.79	92	405534	51.01	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	226821	48.75	ug/l	100
54) cis-1,3-Dichloropropene	9.04	75	203887	48.73	ug/l #	87
55) 1,1,2-Trichloroethane	9.22	97	162446	51.35	ug/l	99
56) Ethyl methacrylate	9.18	69	238167	53.45	ug/l #	80
57) 1,3-Dichloropropane	9.37	76	262909	51.41	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	546569	252.26	ug/l	96
59) 2-Hexanone	9.50	43	783972	265.99	ug/l	87
60) Dibromochloromethane	9.59	129	169920	54.26	ug/l	99
61) 1,2-Dibromoethane	9.68	107	171248	52.22	ug/l	99
64) Tetrachloroethene	9.34	164	229586	51.27	ug/l	97
65) Chlorobenzene	10.14	112	466408	49.25	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	169979	52.17	ug/l	99
67) Ethyl Benzene	10.26	91	772966	50.77	ug/l	99
68) m/p-Xylenes	10.36	106	607501	101.78	ug/l	96
69) o-Xylene	10.70	106	295223	51.15	ug/l	95
70) Styrene	10.71	104	499592	52.62	ug/l	96
71) Bromoform	10.86	173	137018	54.13	ug/l #	100
73) Isopropylbenzene	11.02	105	789363	50.08	ug/l	99
74) N-amyl acetate	6.46	43	316521	47.29	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.27	83	227162	49.18	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	228997m	55.93	ug/l	
77) Bromobenzene	11.26	156	220969	48.74	ug/l	95
78) n-propylbenzene	11.36	91	878318	50.13	ug/l	98
79) 2-Chlorotoluene	11.42	91	522395	49.12	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	655378	50.60	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.08	75	55372	38.96	ug/l	89
82) 4-Chlorotoluene	11.51	91	607941	48.78	ug/l	96
83) tert-Butylbenzene	11.77	119	631616	49.79	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	673704	51.11	ug/l	96
85) sec-Butylbenzene	11.95	105	769797	49.96	ug/l	99
86) p-Isopropyltoluene	12.07	119	700211	50.64	ug/l	97
87) 1,3-Dichlorobenzene	12.03	146	399593	47.95	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	402591	46.90	ug/l	98
89) n-Butylbenzene	12.39	91	569117	48.47	ug/l	98
90) Hexachloroethane	12.60	117	97771	49.74	ug/l	94
91) 1,2-Dichlorobenzene	12.40	146	404506	49.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	46510	51.74	ug/l	84

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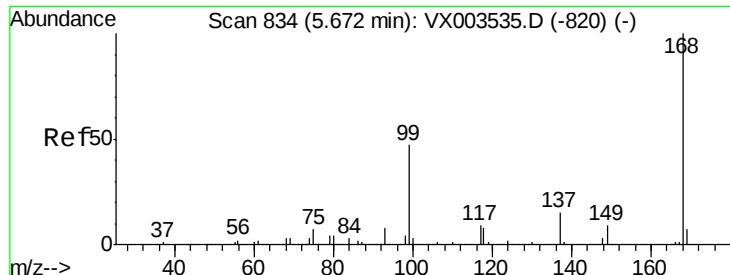
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	293323	48.73	ug/l	99
94) Hexachlorobutadiene	13.79	225	137333	47.44	ug/l	99
95) Naphthalene	13.83	128	825840	52.21	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	298001	50.01	ug/l	99

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



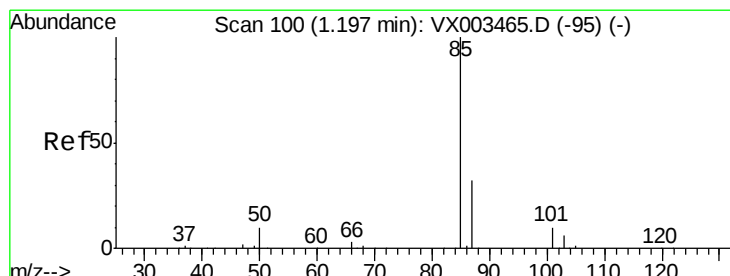
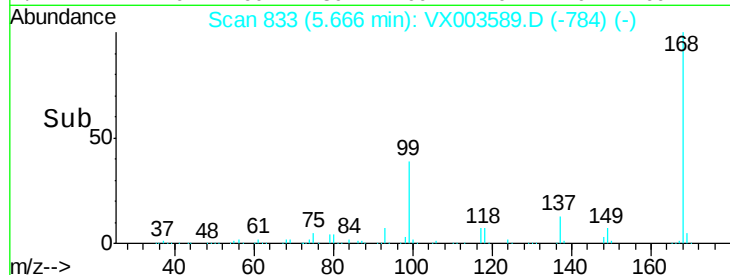
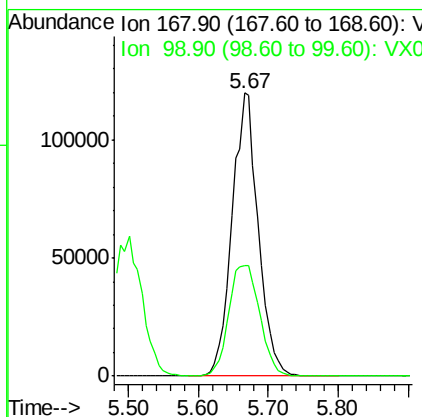
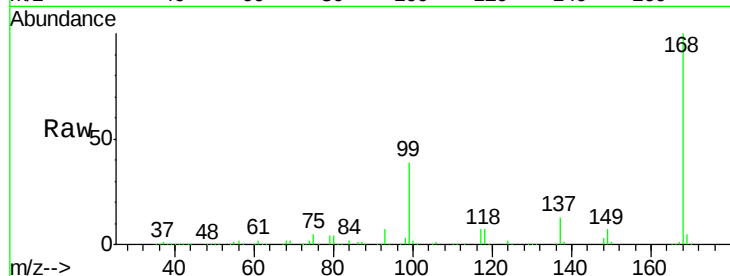
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	39.1	39.3	58.9#

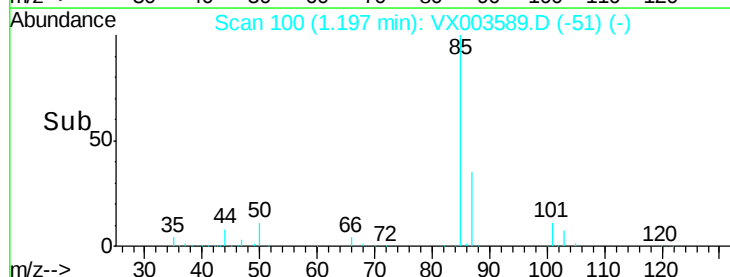
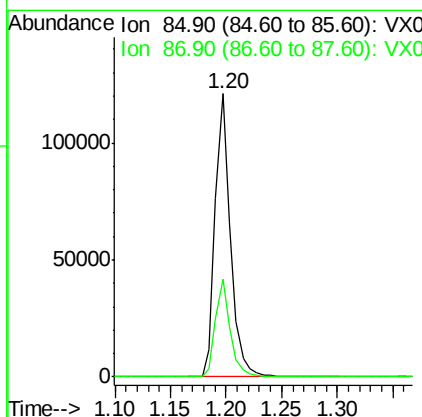
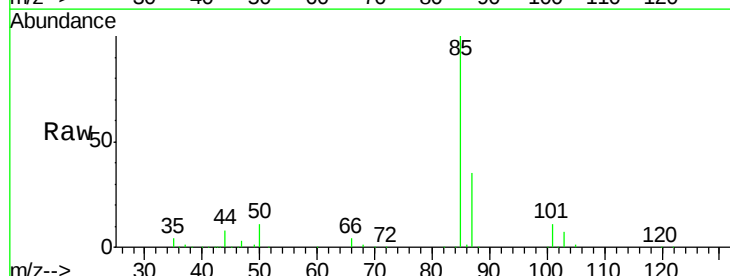
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#2
Dichlorodifluoromethane
Concen: 46.60 ug/l
RT: 1.20 min Scan# 100
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.6	16.0	47.9





#3

Chloromethane

Concen: 52.78 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 161494

Ion Ratio Lower Upper

50 100

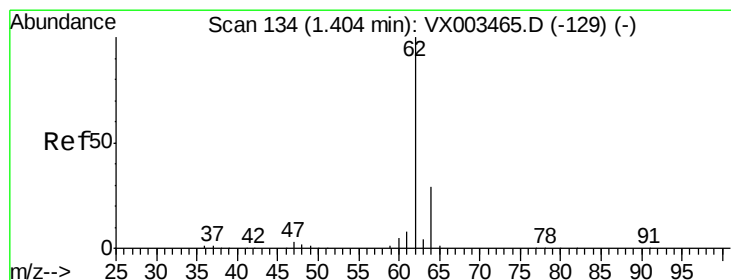
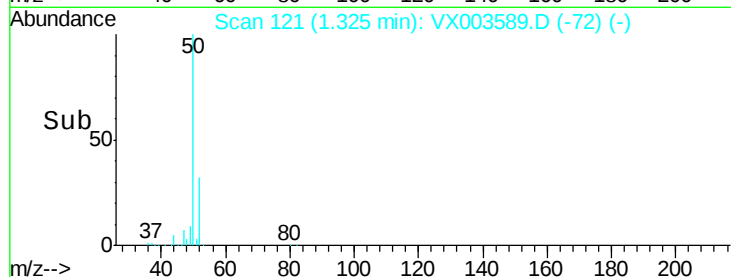
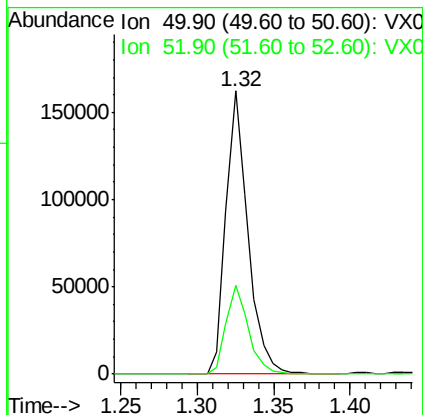
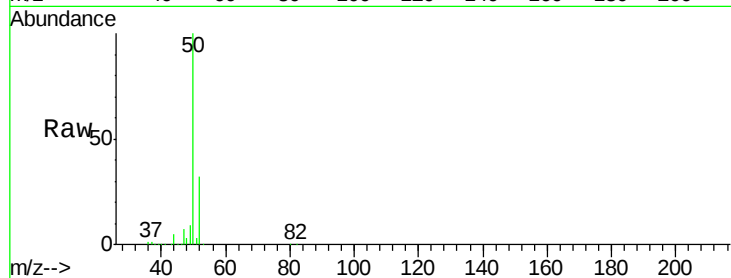
52 31.6 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.86 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003589.D

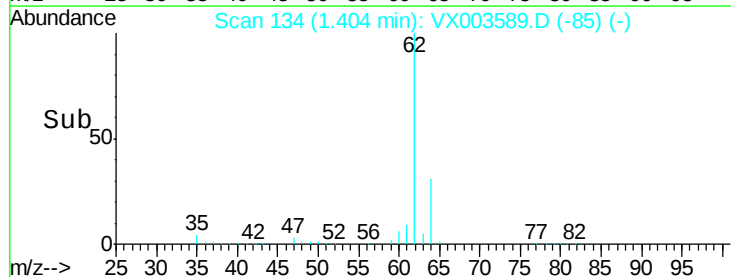
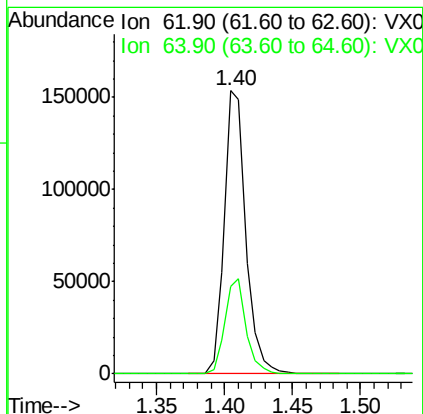
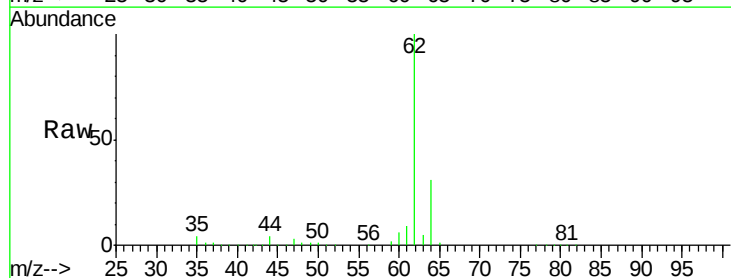
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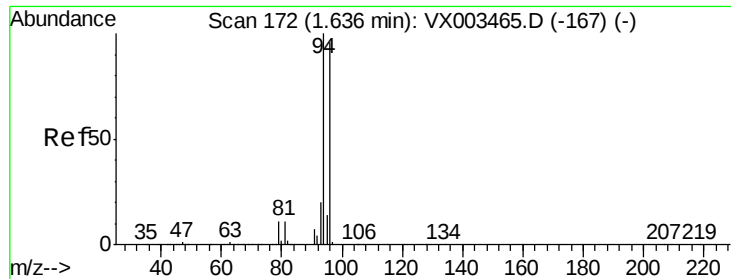
Tgt Ion: 62 Resp: 169508

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 48.69 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 76711

Ion Ratio Lower Upper

94 100

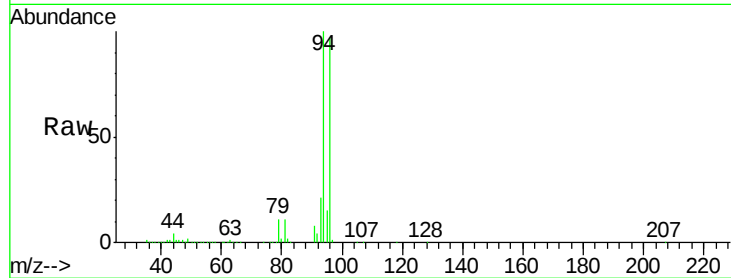
96 96.8 74.9 112.3

Manual Integrations

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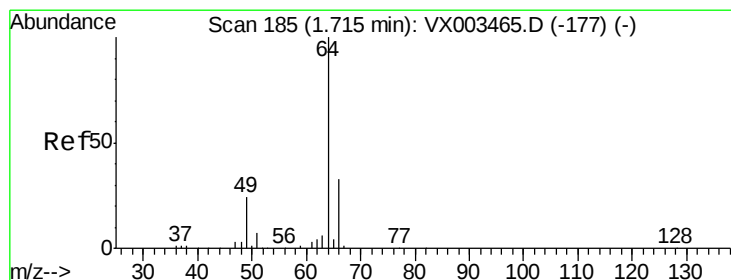
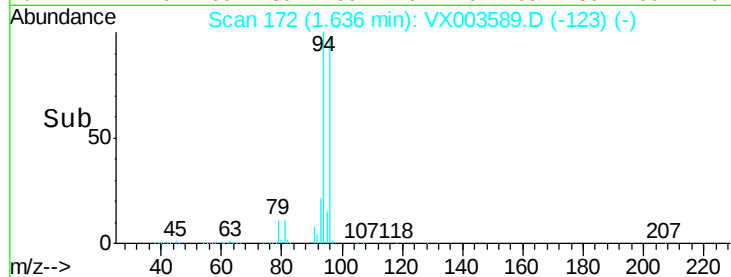
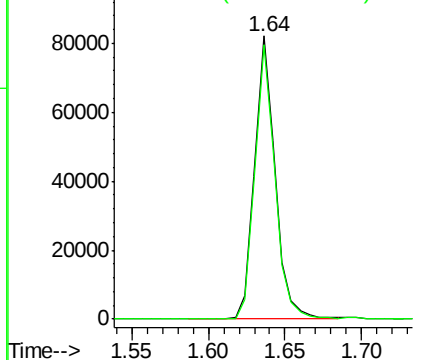
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 46.97 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003589.D

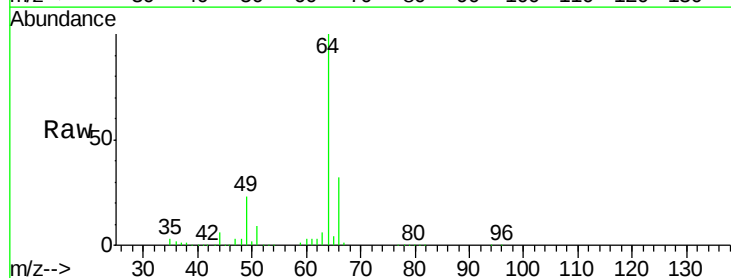
Acq: 22 Jul 2018 07:40

Tgt Ion: 64 Resp: 109926

Ion Ratio Lower Upper

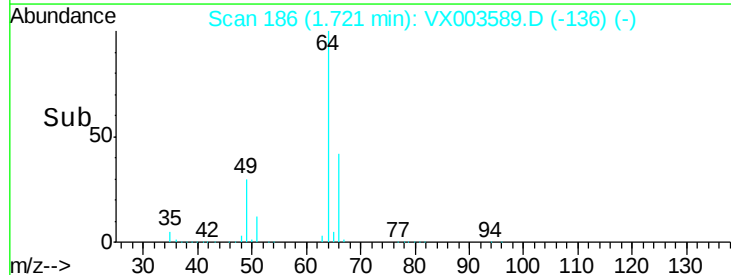
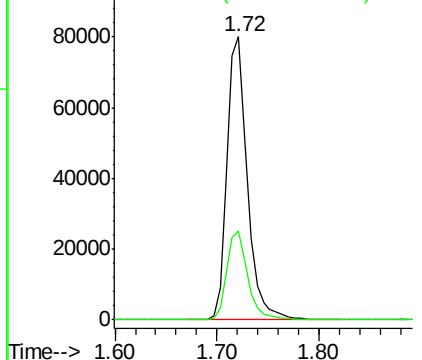
64 100

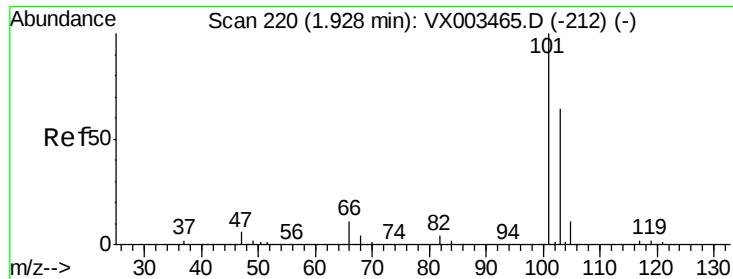
66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

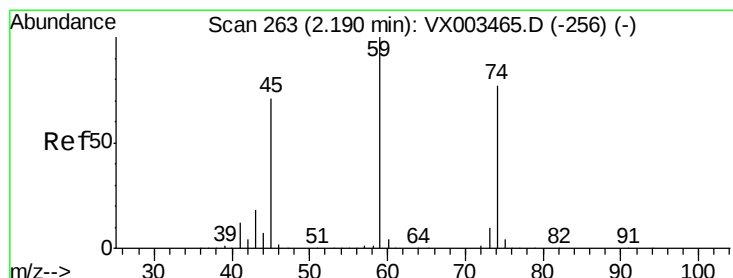
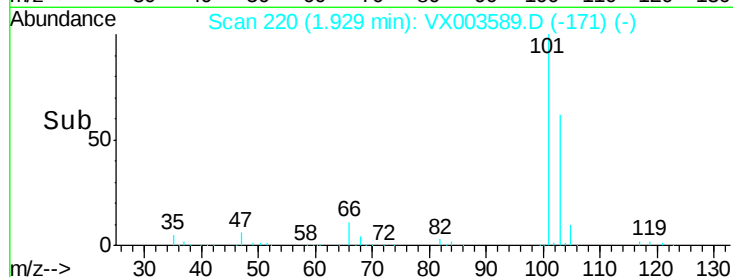
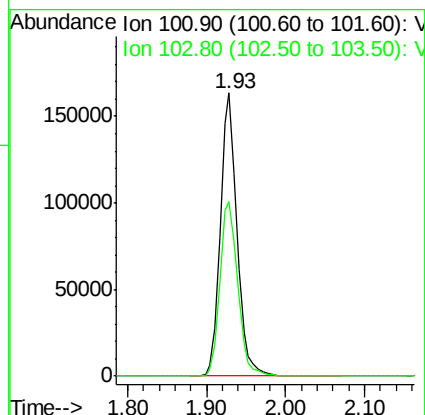
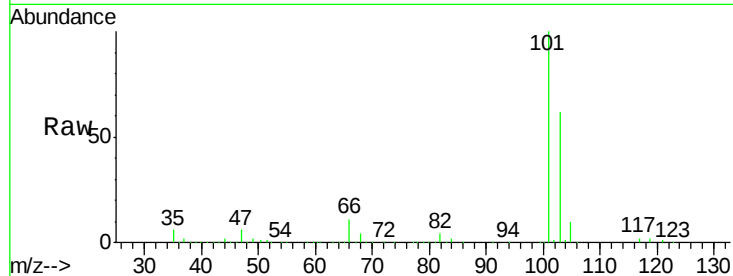
Trichlorofluoromethane
 Concen: 45.70 ug/l
 RT: 1.93 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
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Tot Ion:101 Resp: 241118
 Ion Ratio Lower Upper
 101 100
 103 61.8 52.8 79.2

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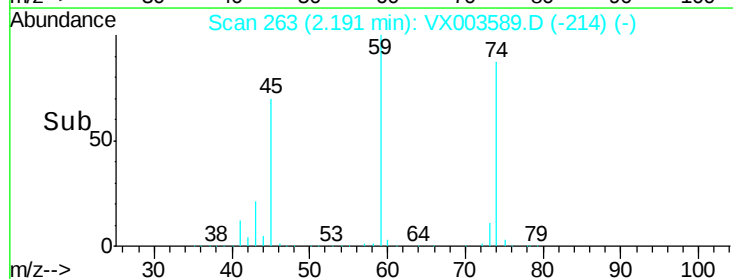
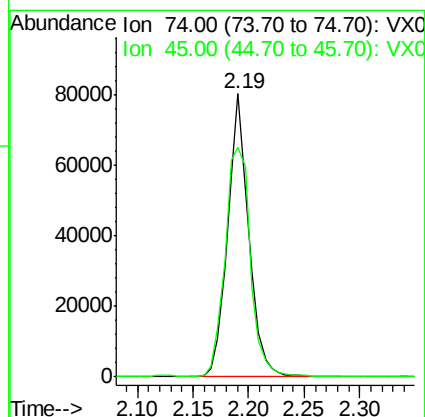
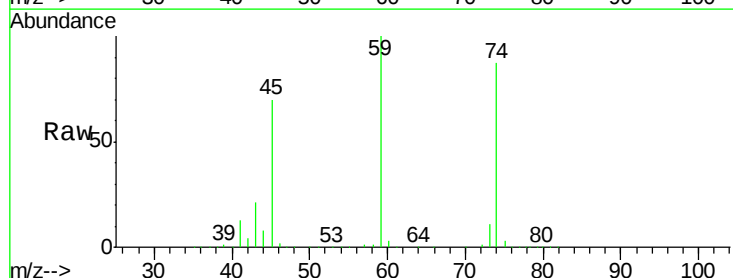
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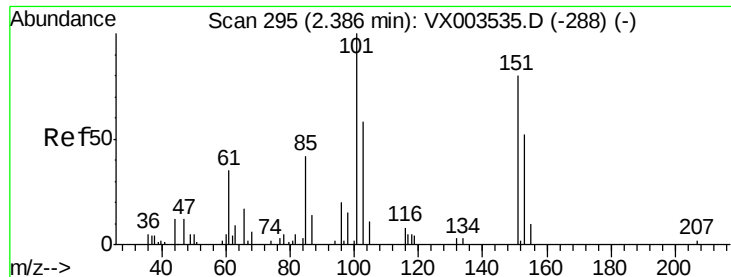


#8

Diethyl Ether
 Concen: 46.34 ug/l
 RT: 2.19 min Scan# 263
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion: 74 Resp: 105010
 Ion Ratio Lower Upper
 74 100
 45 97.4 53.1 159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.49 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

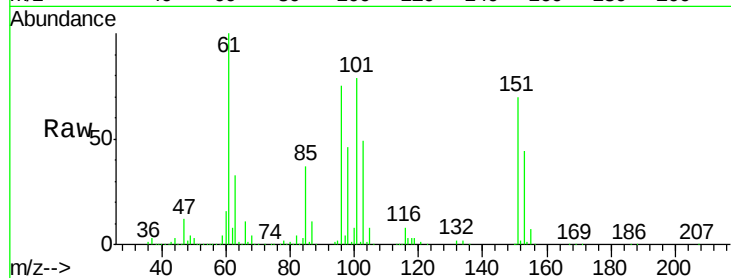
ClientSampleId :

VSTDCCC050EC

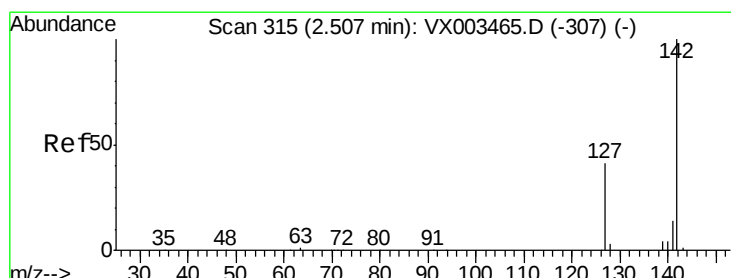
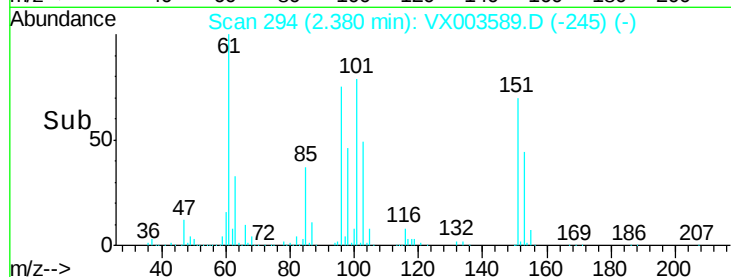
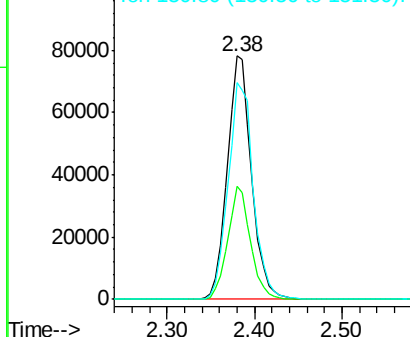
Tot Ion:	101	Resp:	150205
Ion Ratio	Lower	Upper	
101	100		
85	43.8	36.0	54.0
151	93.0	70.9	106.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.48 ug/l

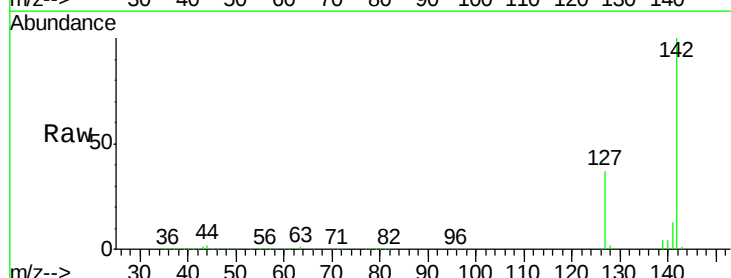
RT: 2.51 min Scan# 316

Delta R.T. 0.01 min

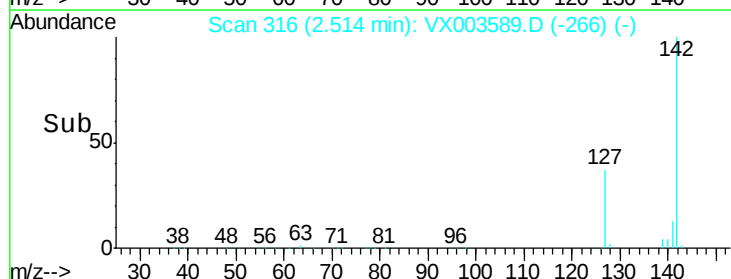
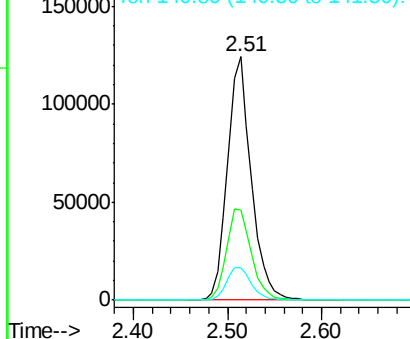
Lab File: VX003589.D

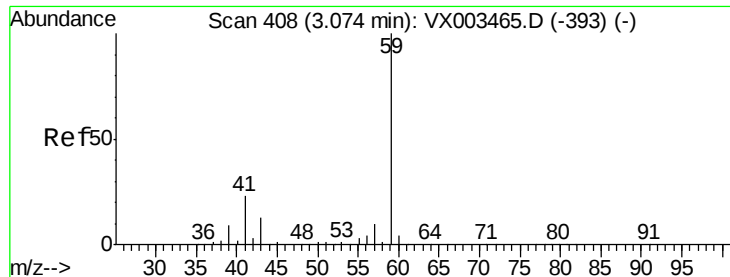
Acq: 22 Jul 2018 07:40

Tgt Ion:	142	Resp:	217714
Ion Ratio	Lower	Upper	
142	100		
127	39.3	36.6	55.0
141	14.2	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





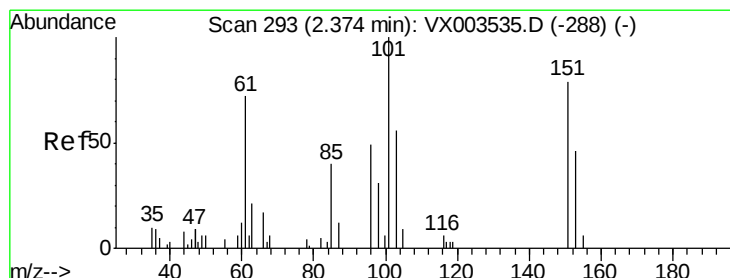
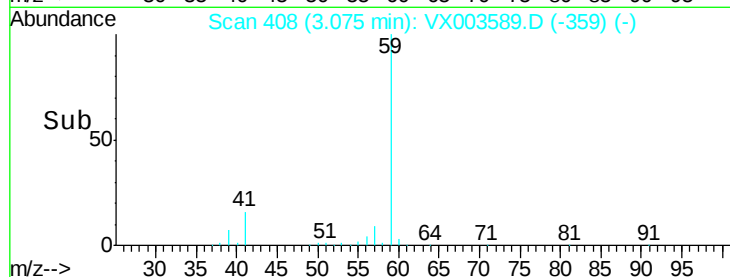
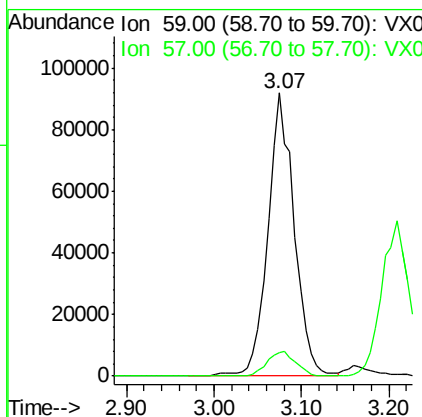
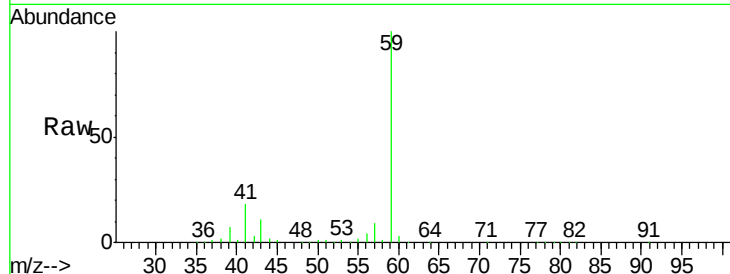
#11
Tert butyl alcohol
Concen: 266.62 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.2

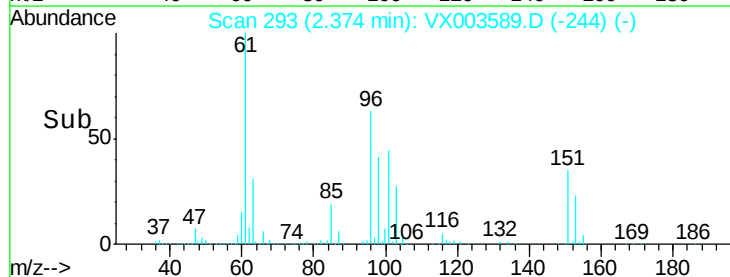
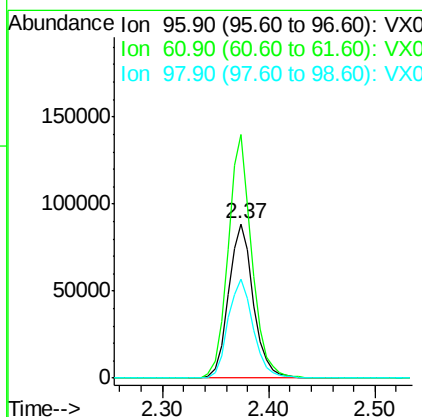
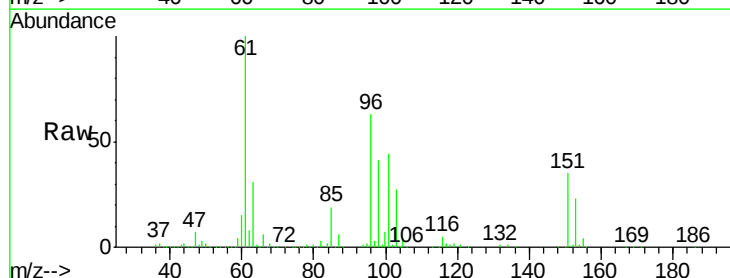
Manual Integrations
APPROVED

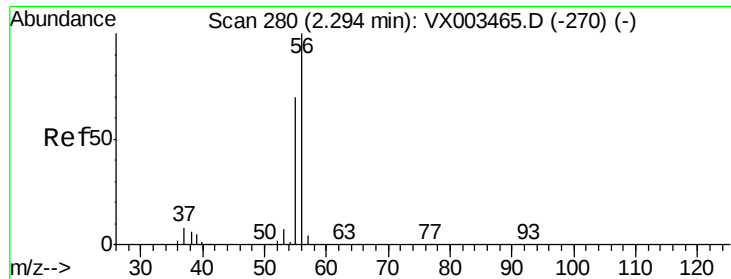
MMDadoda
7/23/2018 3:20:15 PM



#12
1,1-Dichloroethene
Concen: 45.43 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	137.9	206.9
98	64.1	51.6	77.4





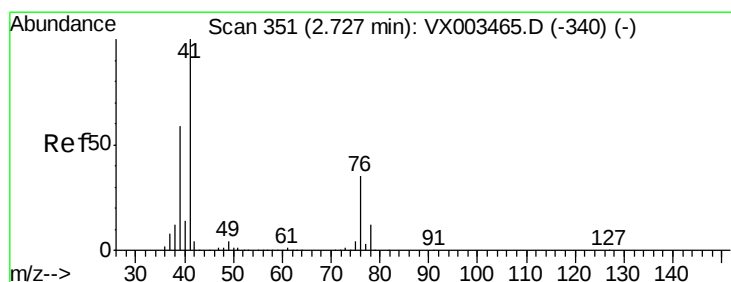
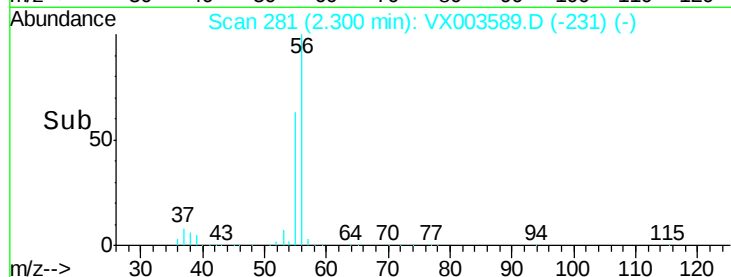
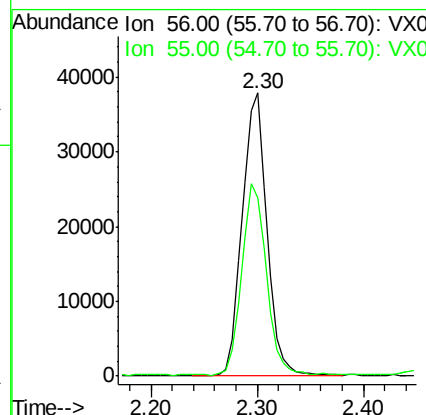
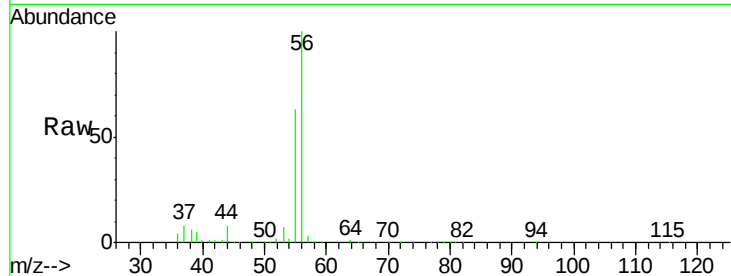
#13
Acrolein
Concen: 188.89 ug/l
RT: 2.30 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	55	Ratio	Lower	Upper
62238	100	67.0		57.0	85.4

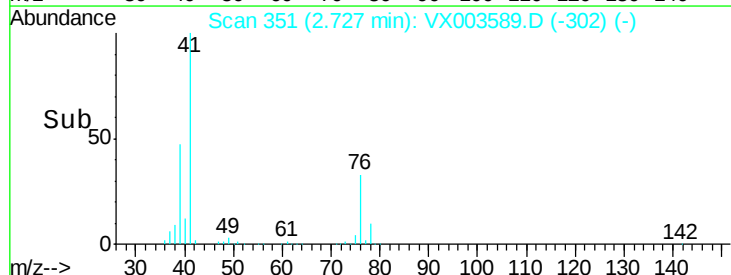
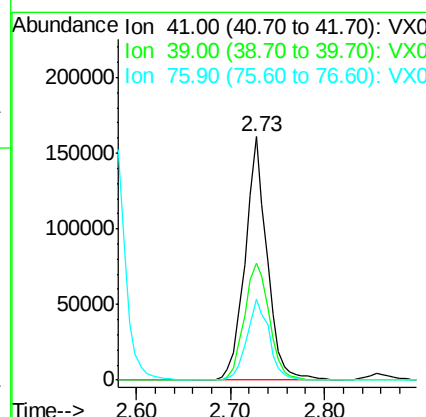
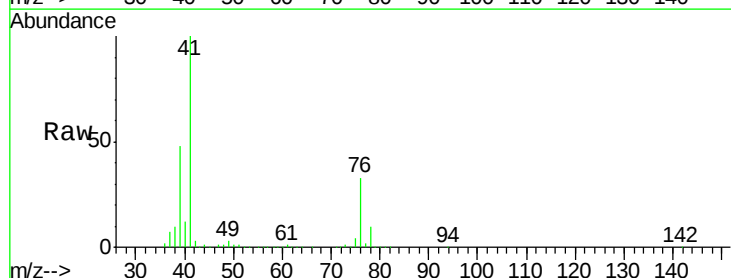
Manual Integrations
APPROVED

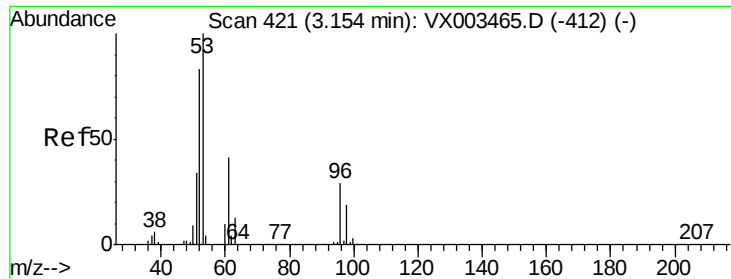
MMDadoda
7/23/2018 3:20:15 PM



#14
Allyl chloride
Concen: 46.43 ug/l
RT: 2.73 min Scan# 351
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	41	39	76	Ratio	Lower	Upper
261341	100	54.5	33.5		56.8	85.2#
					23.8	35.8





#15

Acrylonitrile

Concen: 240.18 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

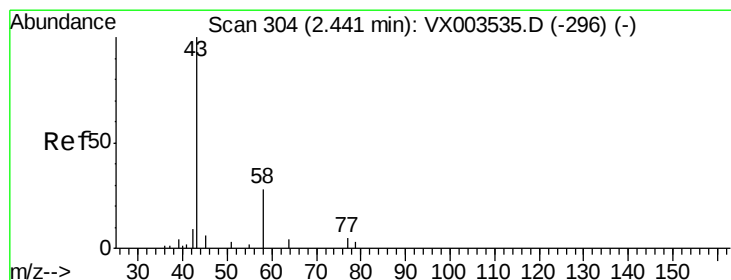
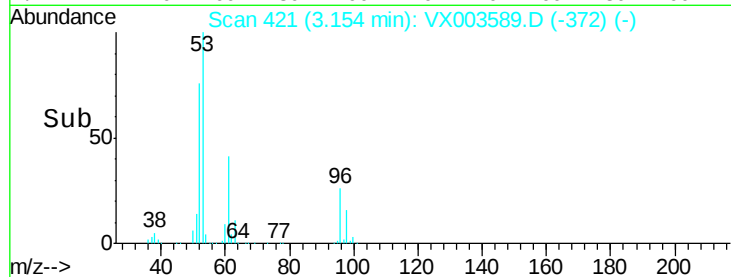
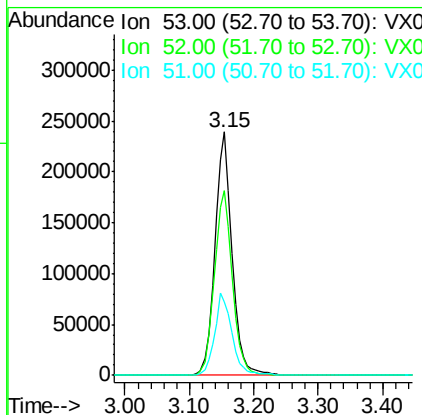
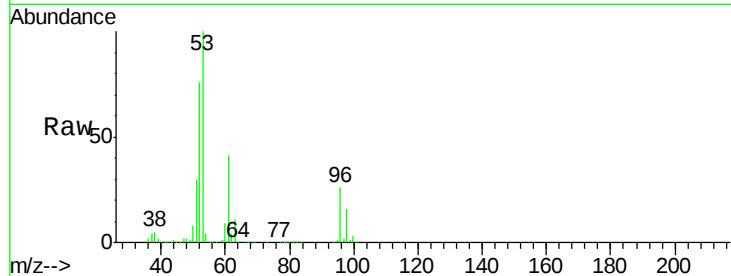
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	445907
Ion Ratio	Lower	Upper	
53	100		
52	80.0	66.7	100.1
51	34.3	29.9	44.9

Manual Integrations
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7/23/2018 3:20:15 PM



#16

Acetone

Concen: 263.69 ug/l

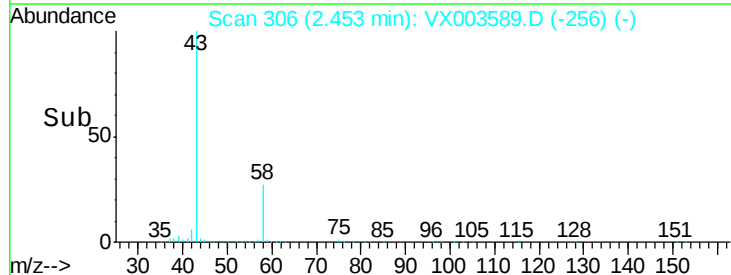
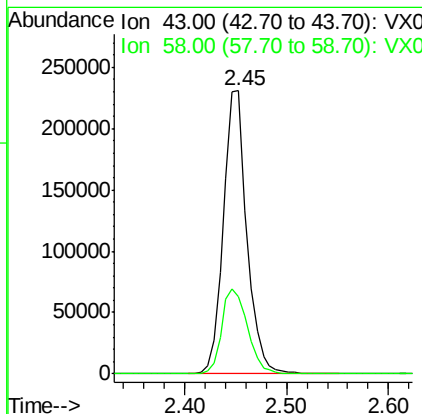
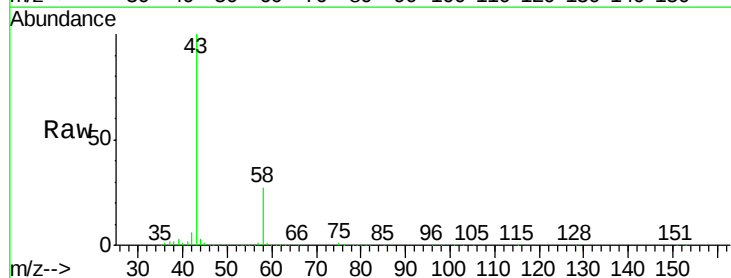
RT: 2.45 min Scan# 306

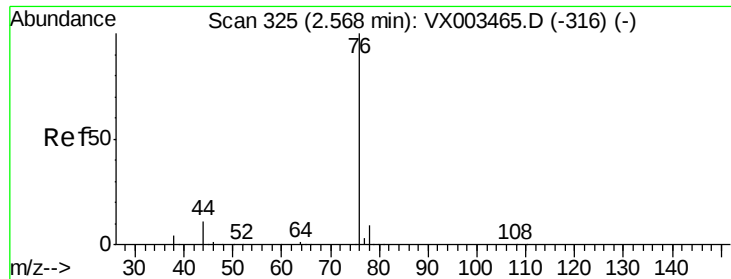
Delta R.T. 0.01 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Tgt Ion:	43	Resp:	367060
Ion Ratio	Lower	Upper	
43	100		
58	27.5	22.1	33.1





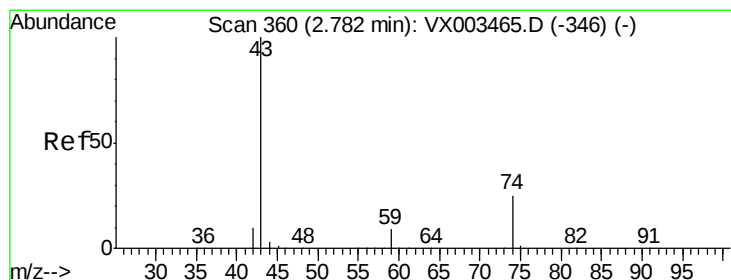
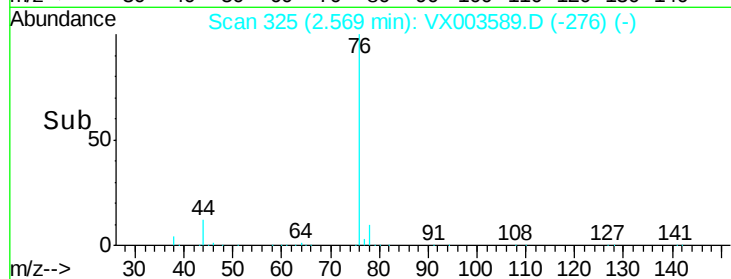
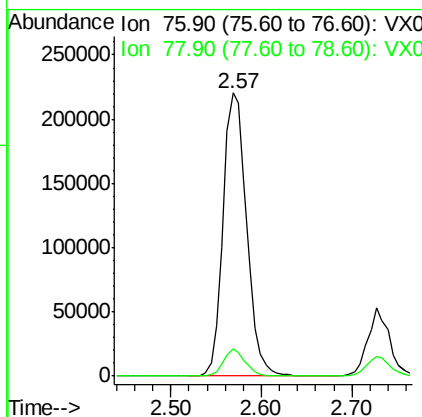
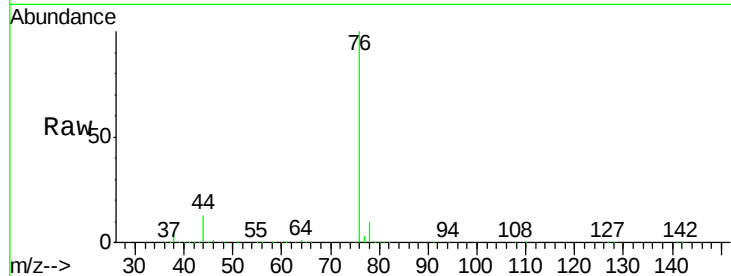
#17
Carbon Disulfide
Concen: 46.38 ug/l
RT: 2.57 min Scan# 325
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.9	10.3

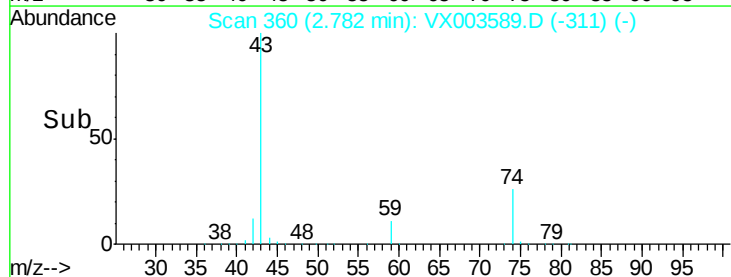
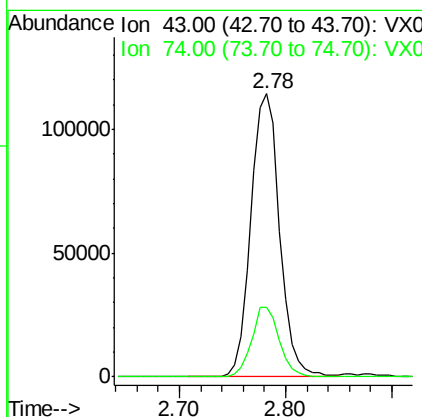
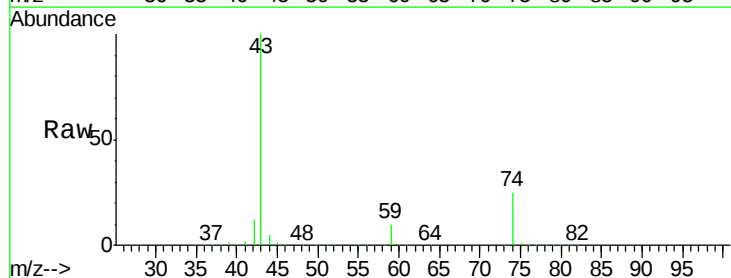
Manual Integrations
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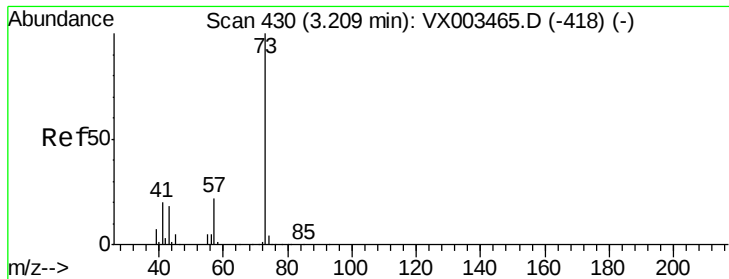
MMDadoda
7/23/2018 3:20:15 PM



#18
Methyl Acetate
Concen: 49.25 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	16.7	25.1





#19

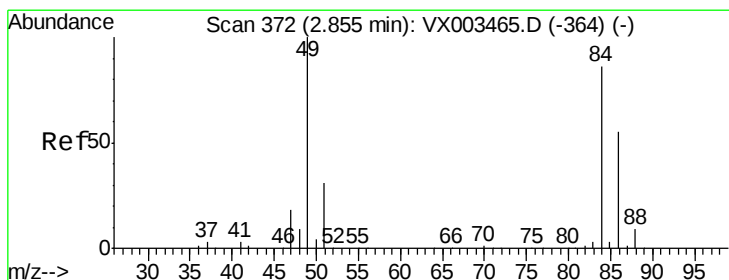
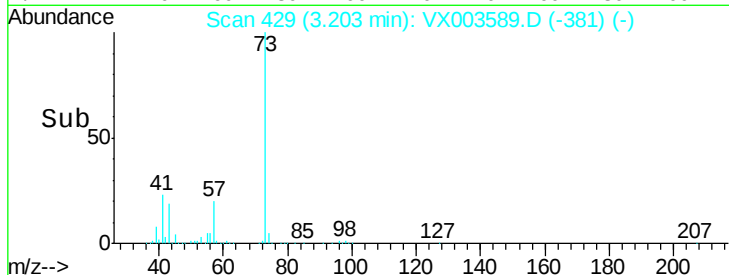
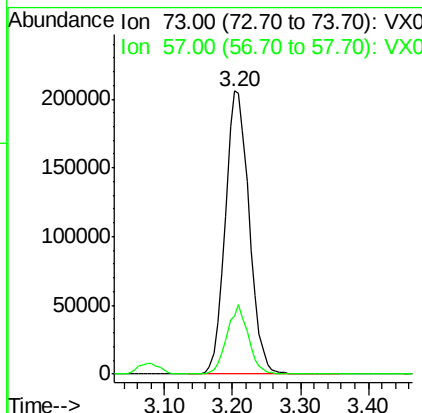
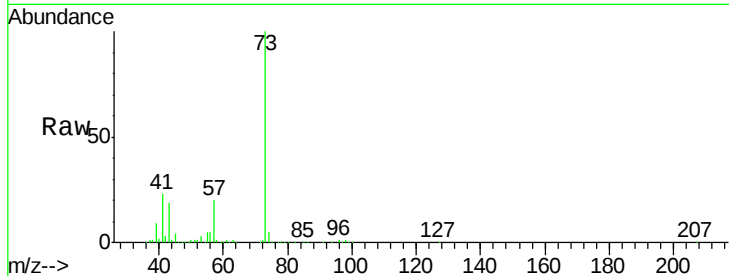
Methyl tert-butyl Ether
 Concen: 48.07 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	499107
Ion Ratio	100	Lower	Upper
73	100		
57	20.3	17.7	26.5

Manual Integrations
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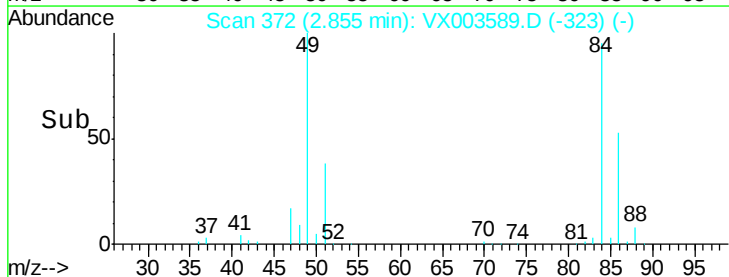
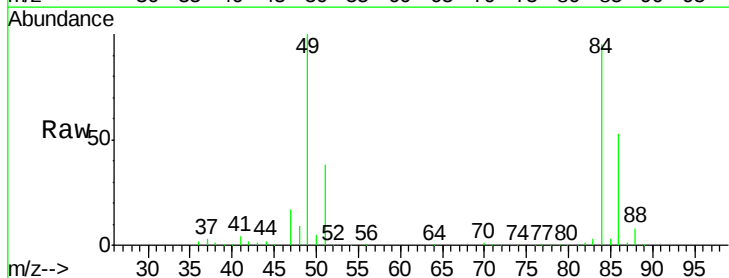
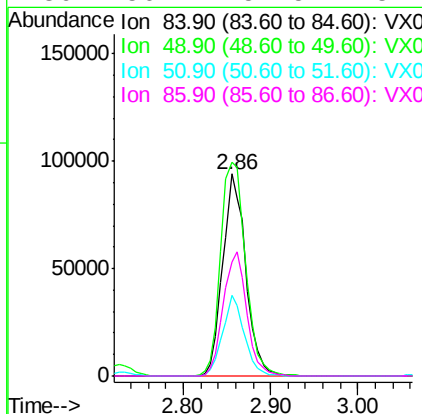
MMDadoda
 7/23/2018 3:20:15 PM

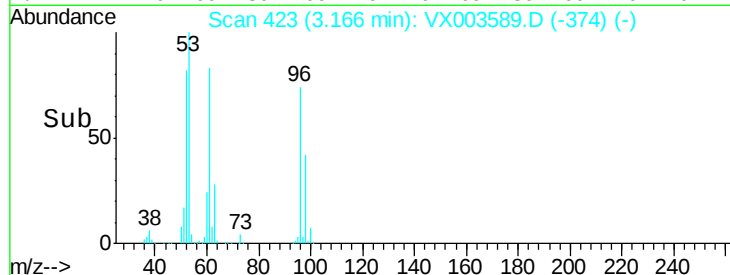
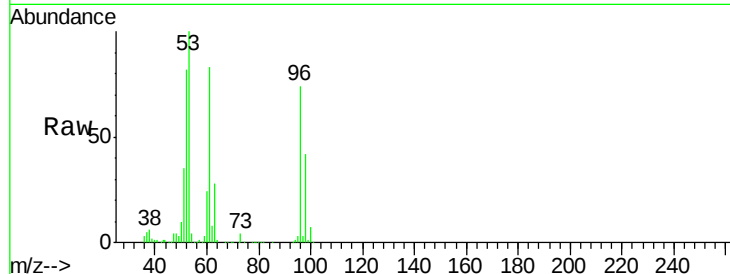
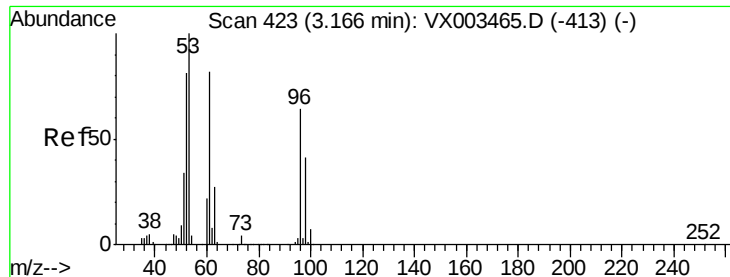


#20

Methylene Chloride
 Concen: 50.50 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	84	Resp	171845
Ion Ratio	100	Lower	Upper
84	100		
49	105.6	107.8	161.6#
51	39.9	32.8	49.2
86	56.2	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 46.19 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003589.D

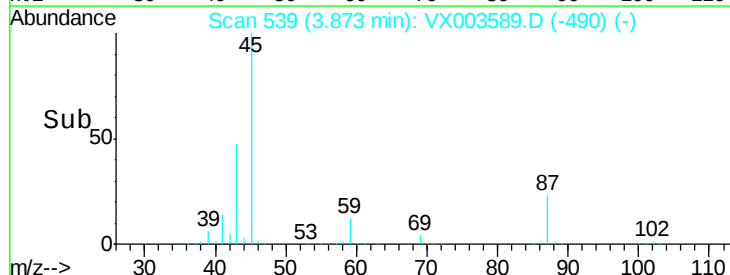
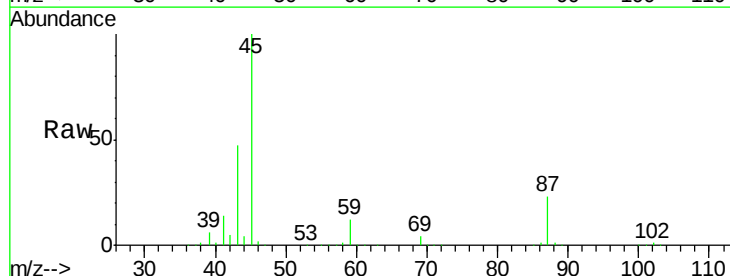
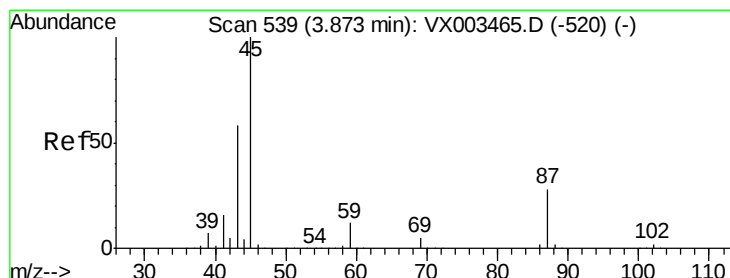
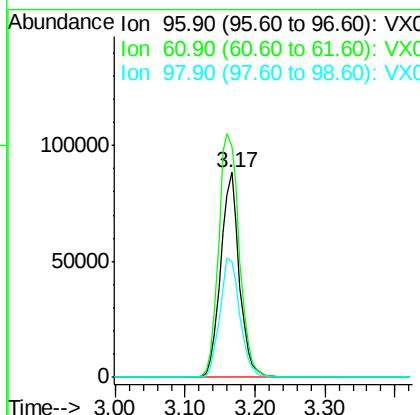
Acq: 22 Jul 2018 07:40

Tot Ion:	96	Resp:	163427
Ion Ratio	Lower	Upper	
96	100		
61	112.8	117.0	175.4#
98	56.2	52.4	78.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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7/23/2018 3:20:15 PM



#22

Diisopropyl ether

Concen: 53.05 ug/l

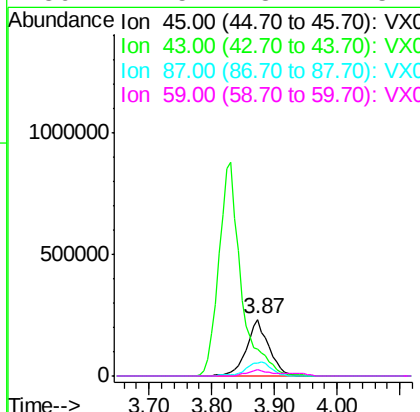
RT: 3.87 min Scan# 539

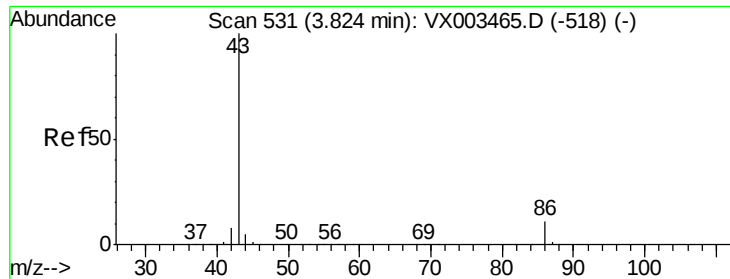
Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Tgt Ion:	45	Resp:	561954
Ion Ratio	Lower	Upper	
45	100		
43	46.7	46.8	70.2#
87	23.1	20.2	30.4
59	11.5	8.7	13.1





#23

Vinyl Acetate

Concen: 247.50 ug/l

RT: 3.83 min Scan# 532

Delta R.T. 0.01 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 2159375

Ion Ratio Lower Upper

43 100

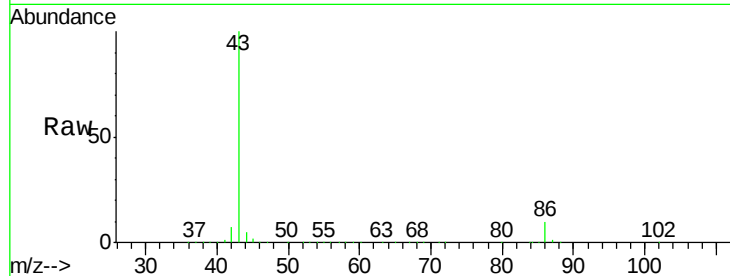
86 9.8 7.4 11.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

1000000

800000

600000

400000

200000

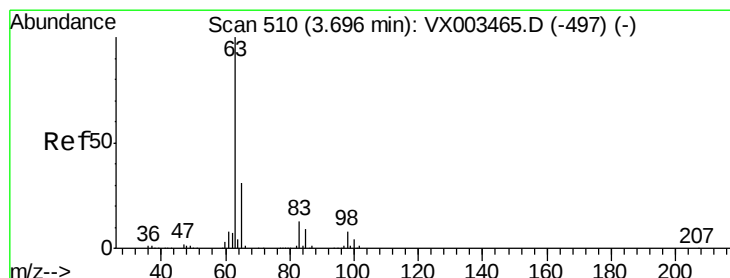
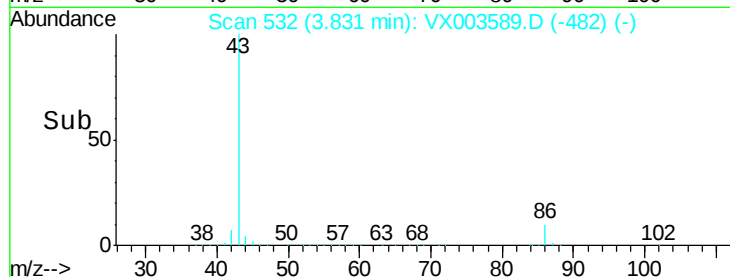
0

3.80

3.83

4.00

Time-->



#24

1,1-Dichloroethane

Concen: 52.32 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

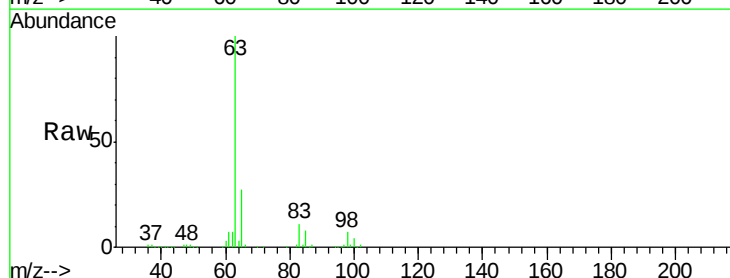
Tgt Ion: 63 Resp: 325157

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 3.7 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

200000

150000

100000

50000

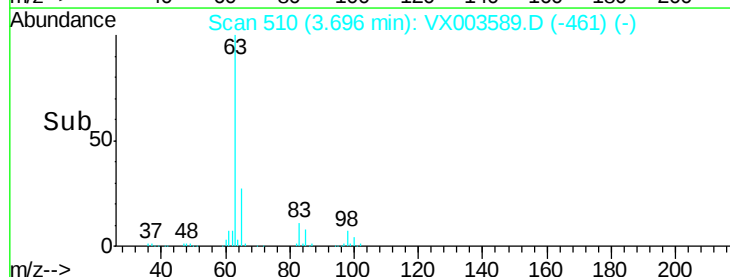
0

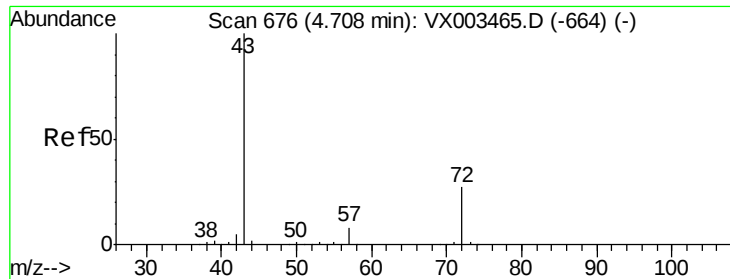
3.60

3.70

3.80

Time-->





#25

2-Butanone

Concen: 253.52 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 592101

Ion Ratio Lower Upper

43 100

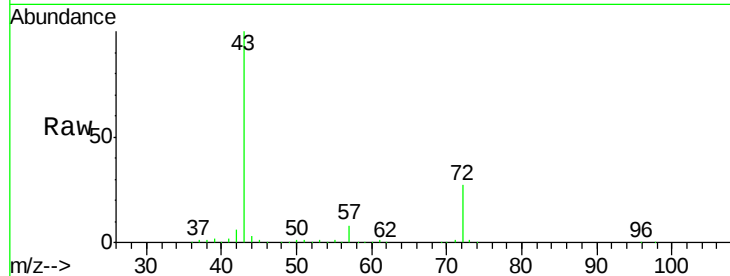
72 27.4 18.5 27.7

Manual Integrations

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7/23/2018 3:20:15 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

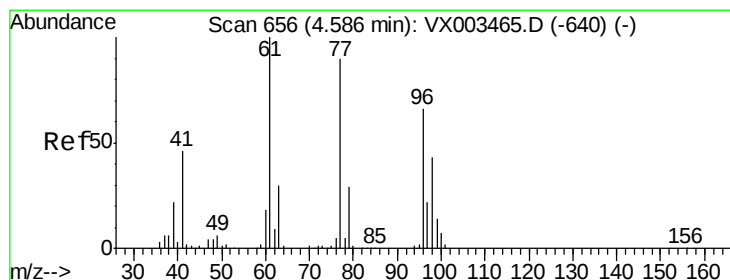
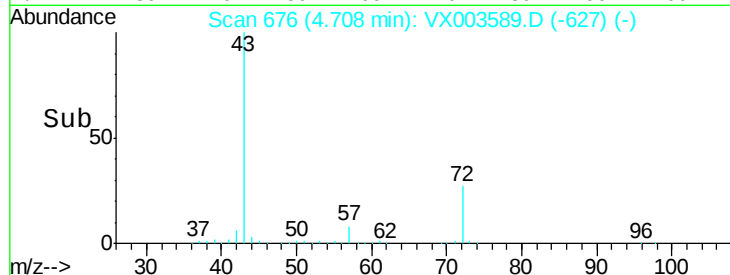
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 29.09 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003589.D

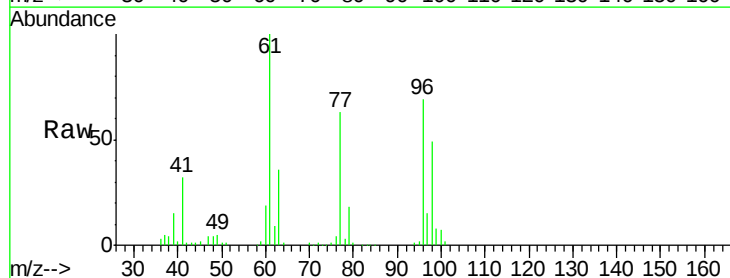
Acq: 22 Jul 2018 07:40

Tgt Ion: 77 Resp: 137326

Ion Ratio Lower Upper

77 100

97 26.2 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

50000

40000

30000

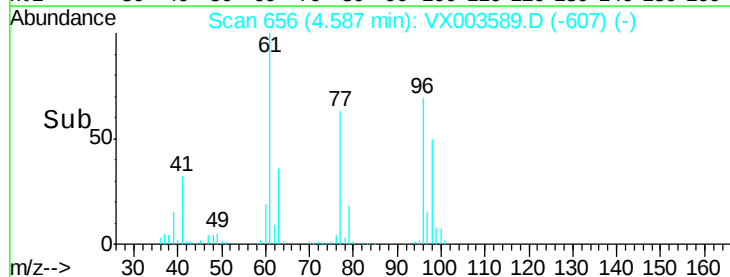
20000

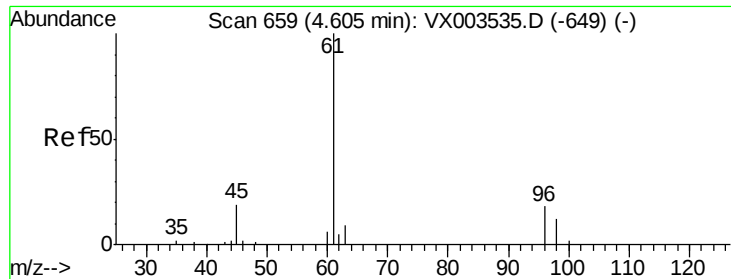
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

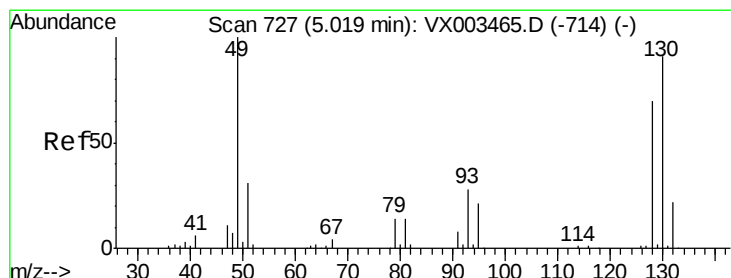
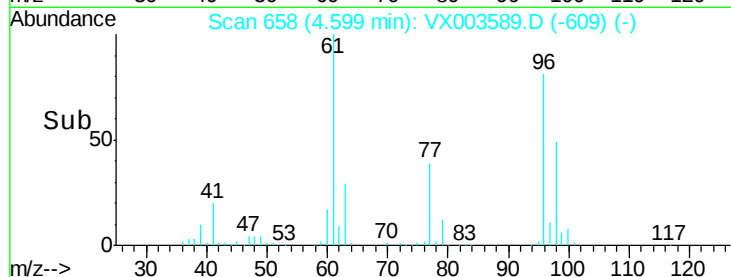
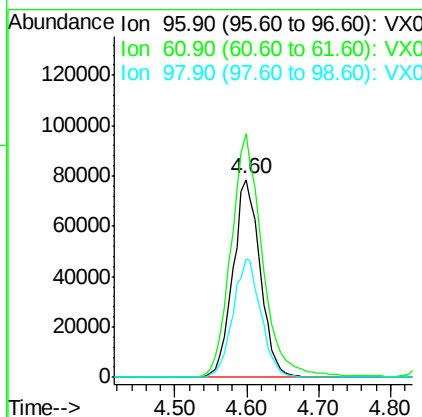
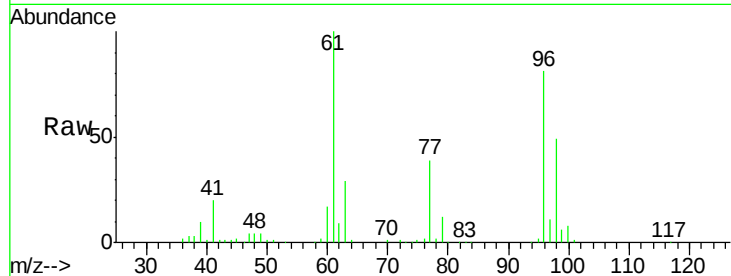
cis-1,2-Dichloroethene
Concen: 52.28 ug/l
RT: 4.60 min Scan# 658
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	205954		
61	142.4		0.0	330.2
98	61.6		0.0	130.2

Manual Integrations
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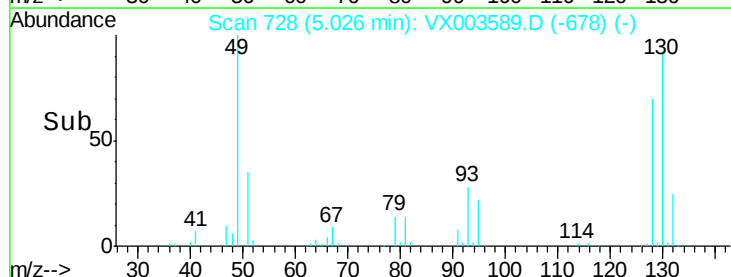
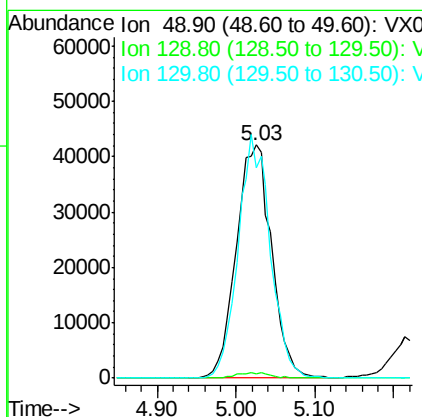
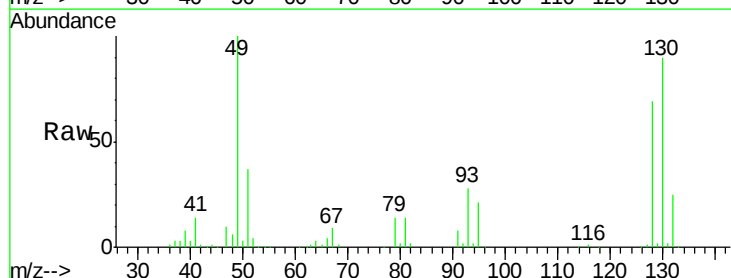
MMDadoda
7/23/2018 3:20:15 PM

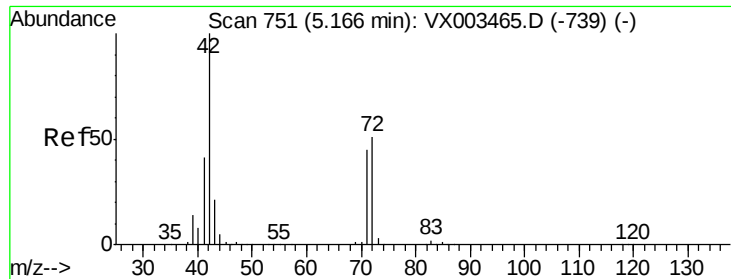


#28

Bromochloromethane
Concen: 48.32 ug/l
RT: 5.03 min Scan# 728
Delta R.T. 0.01 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131247		
129	2.2		0.0	4.2
130	94.7		61.2	91.8#





#29

Tetrahydrofuran

Concen: 244.74 ug/l

RT: 5.16 min Scan# 750

Delta R.T. -0.01 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

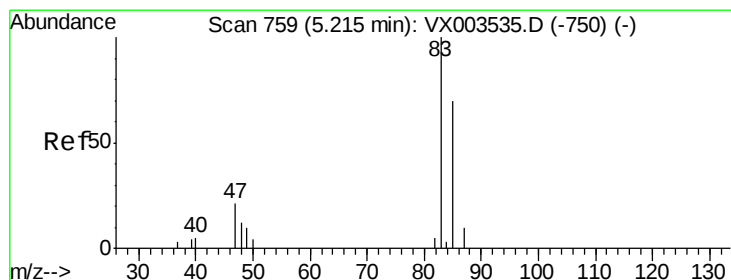
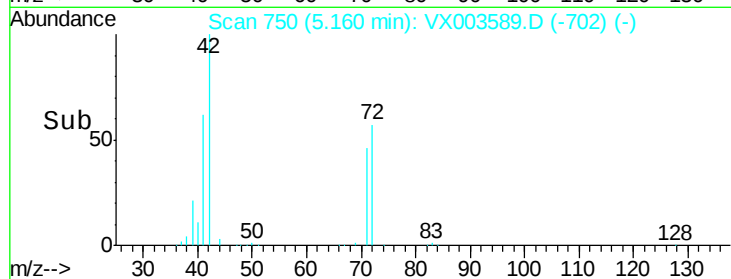
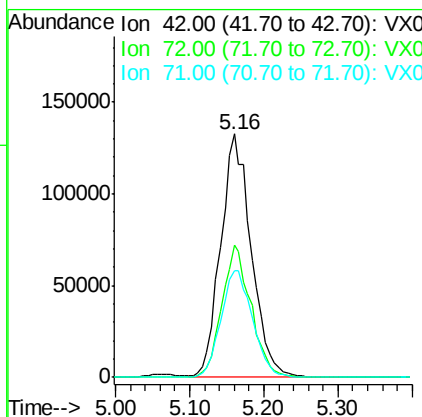
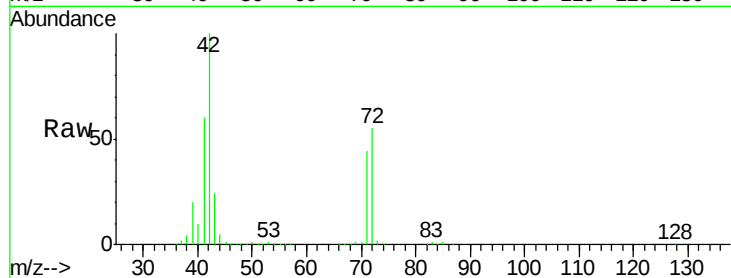
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	377601
Ion Ratio		Lower	Upper
42	100		
72	52.2	32.0	48.0#
71	45.6	30.1	45.1#

Manual Integrations
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#30

Chloroform

Concen: 52.77 ug/l

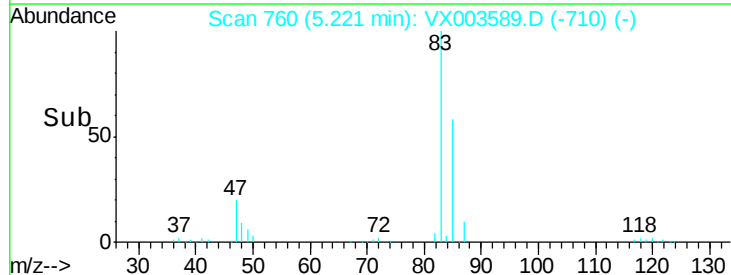
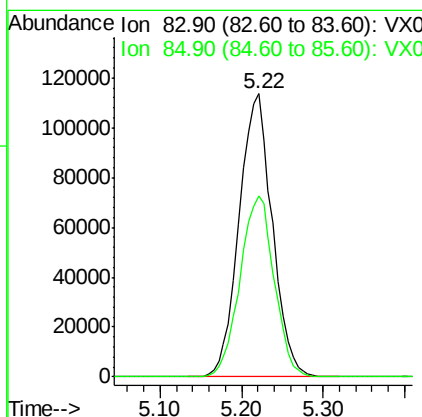
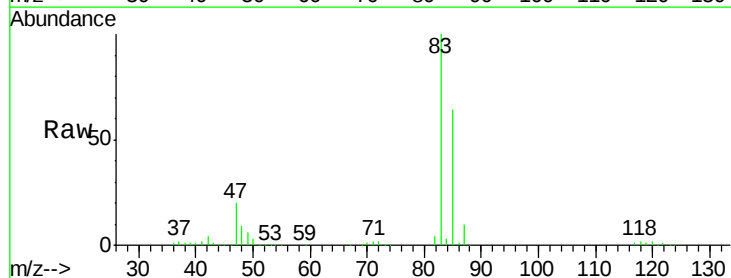
RT: 5.22 min Scan# 760

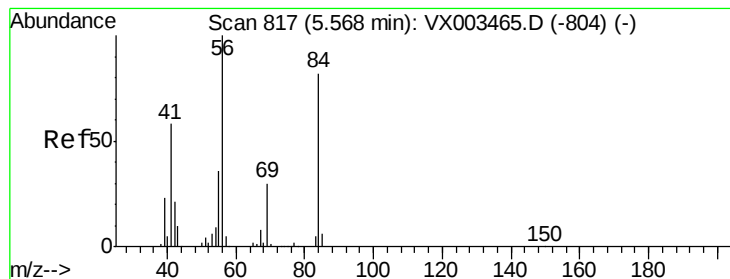
Delta R.T. 0.01 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Tgt Ion:	83	Resp:	320220
Ion Ratio		Lower	Upper
83	100		
85	64.0	50.4	75.6





#31

Cyclohexane

Concen: 45.69 ug/l

RT: 5.57 min Scan# 817

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

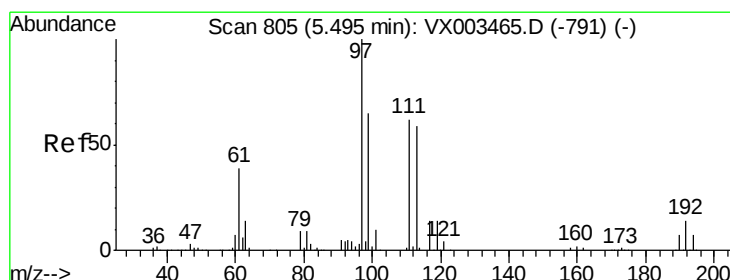
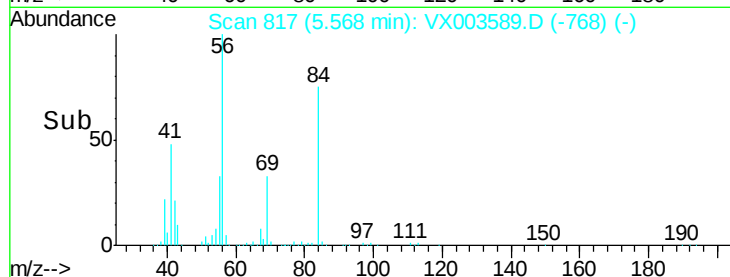
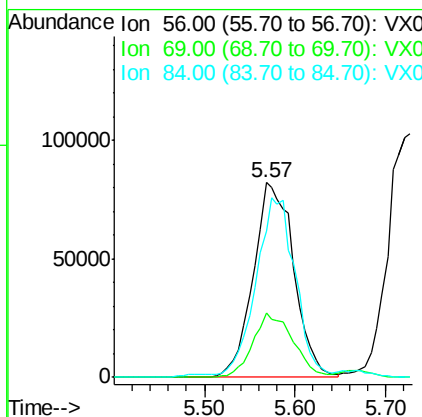
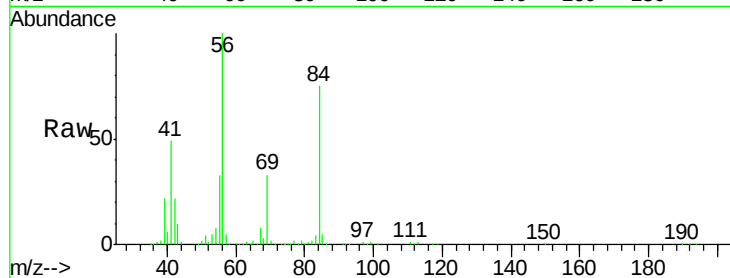
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	253672
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.7	35.5
84	73.9	64.1	96.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.61 ug/l

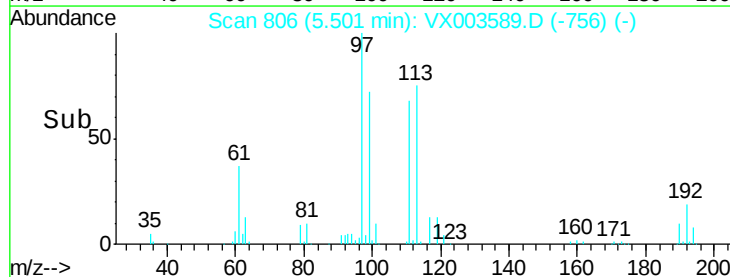
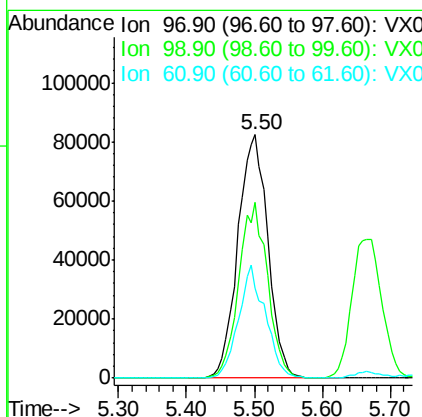
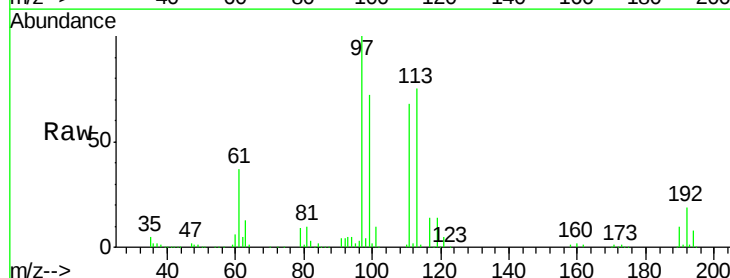
RT: 5.50 min Scan# 806

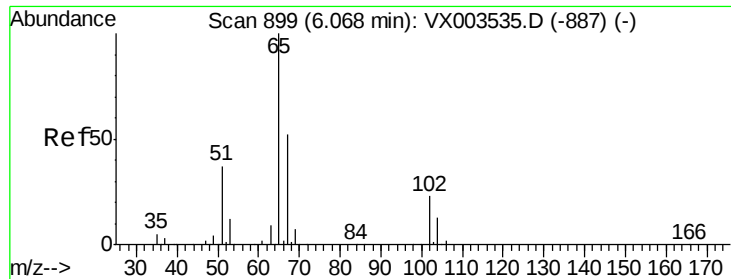
Delta R.T. 0.01 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Tgt Ion:	97	Resp:	252612
Ion	Ratio	Lower	Upper
97	100		
99	69.0	51.6	77.4
61	41.6	36.4	54.6





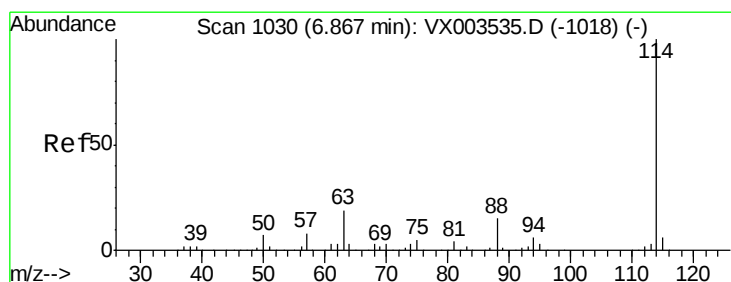
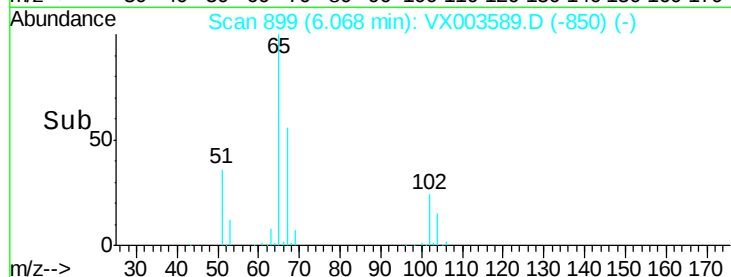
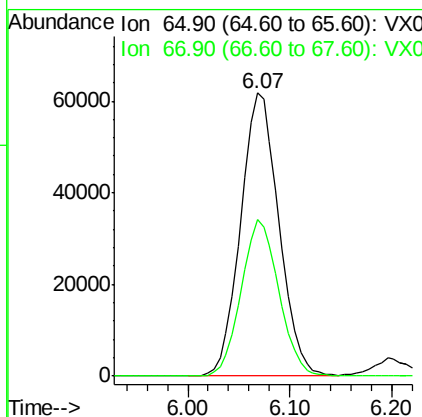
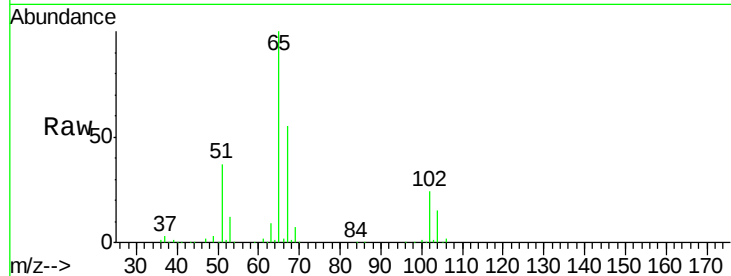
#33
 1,2-Dichloroethane-d4
 Concen: 43.66 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	102.6

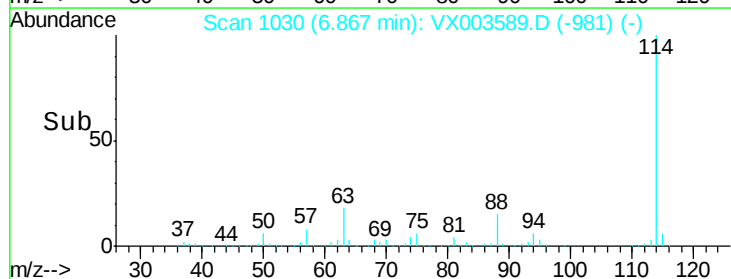
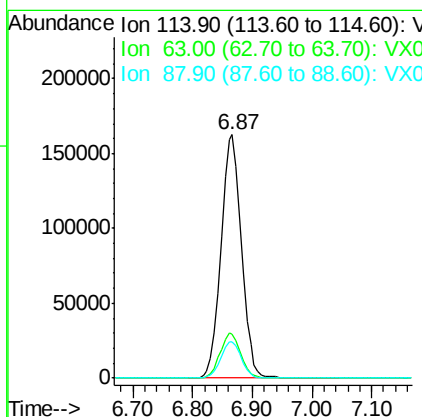
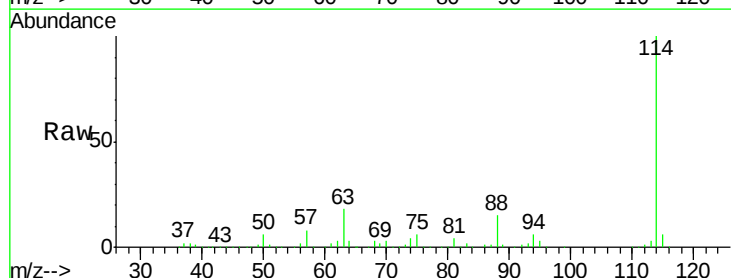
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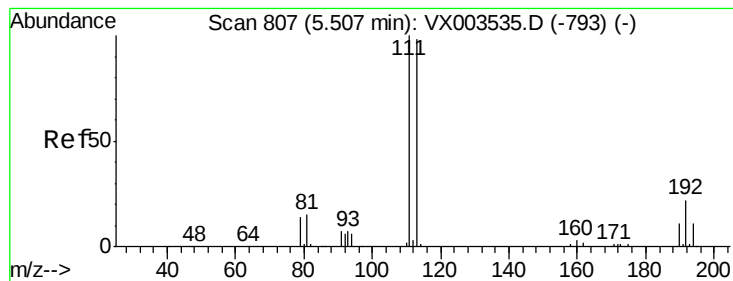
MMDadoda
 7/23/2018 3:20:15 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	41.4
88	14.7	0.0	30.0





#35

Dibromofluoromethane

Concen: 57.38 ug/l

RT: 5.50 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

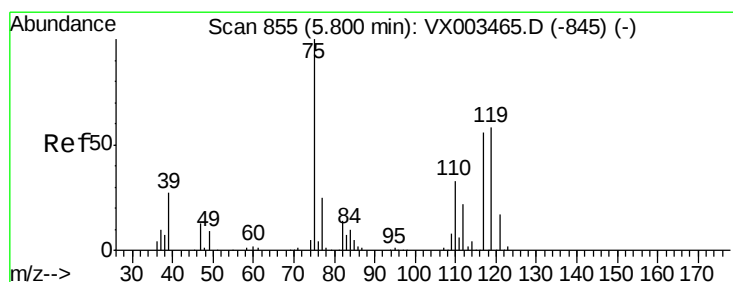
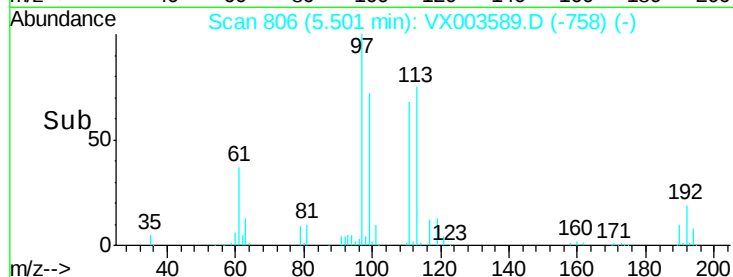
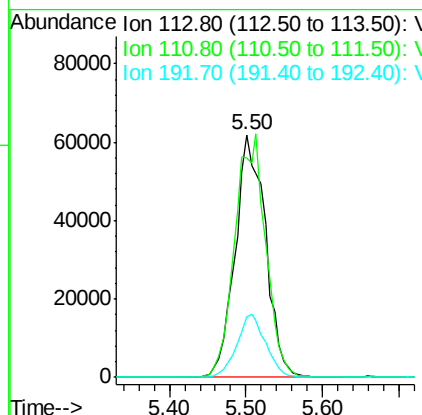
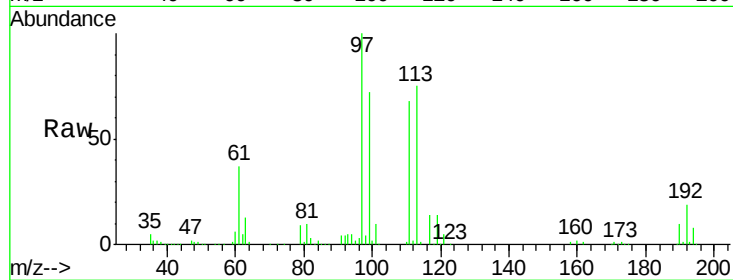
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	169343
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.4	122.0
192	24.6	19.1	28.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.51 ug/l

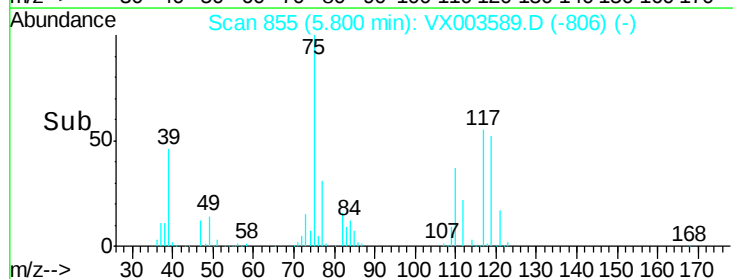
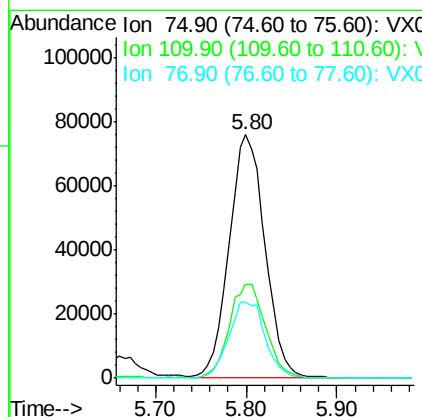
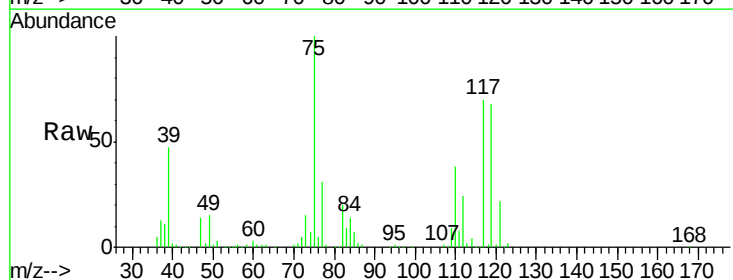
RT: 5.80 min Scan# 855

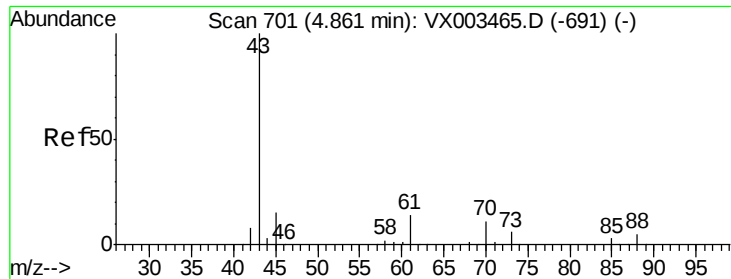
Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Tgt Ion:	75	Resp:	207118
Ion Ratio	Lower	Upper	
75	100		
110	39.1	18.1	54.4
77	32.2	24.3	36.5





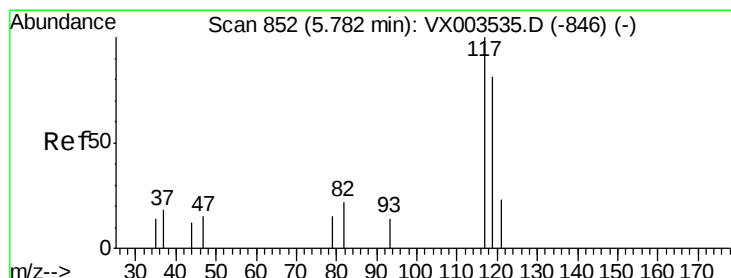
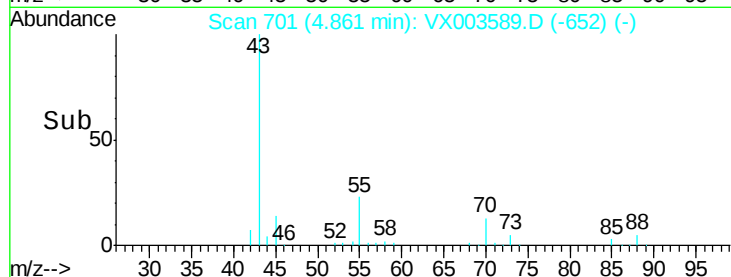
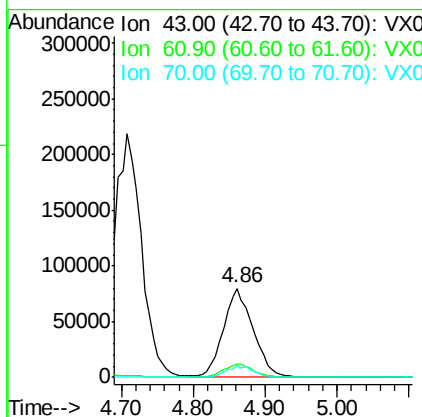
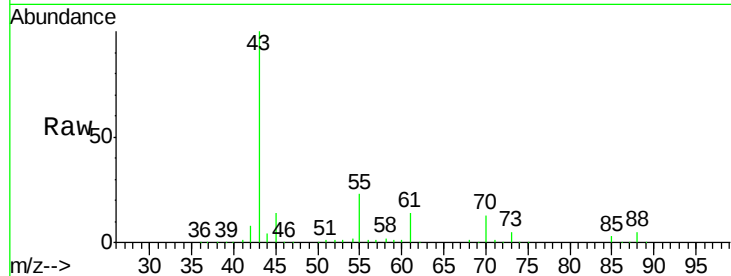
#37
Ethyl Acetate
Concen: 57.89 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.4	15.6
70	12.0	7.6	11.4

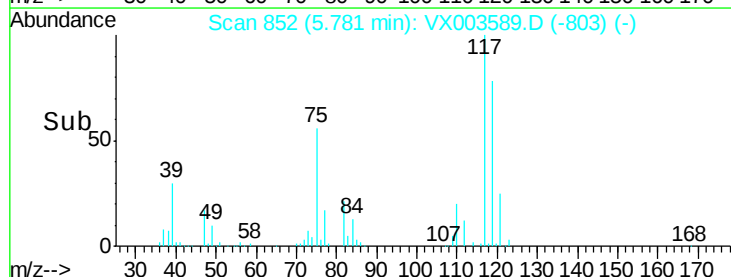
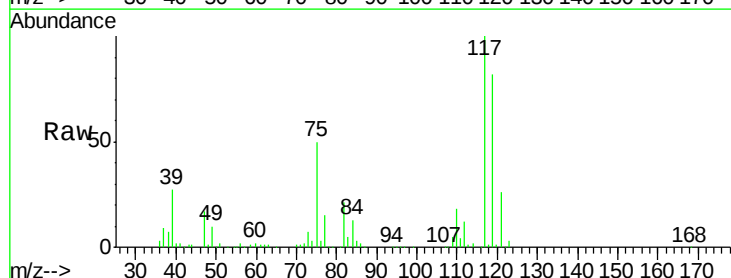
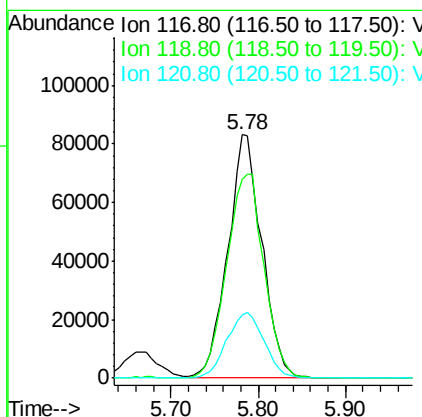
Manual Integrations
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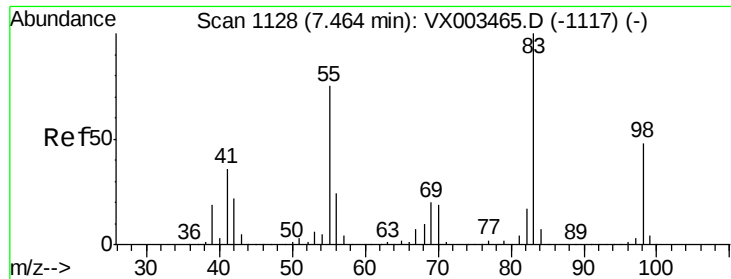
MMDadoda
7/23/2018 3:20:15 PM



#38
Carbon Tetrachloride
Concen: 54.82 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	81.8	77.4	116.0
121	25.9	24.4	36.6





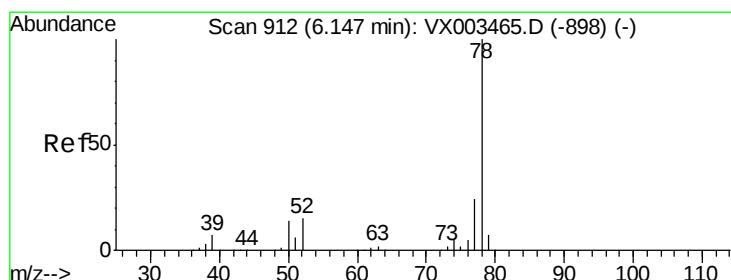
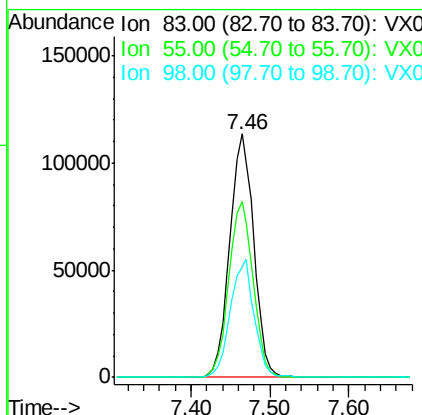
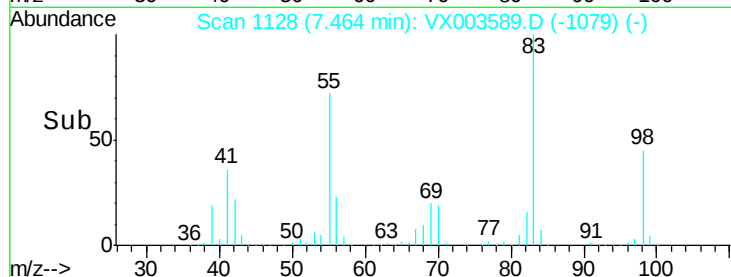
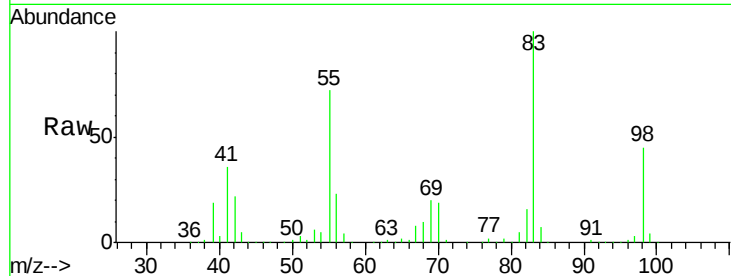
#39
Methvlcvclohexane
Concen: 48.71 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241329		
55	72.3		65.4	98.0
98	45.5		37.4	56.0

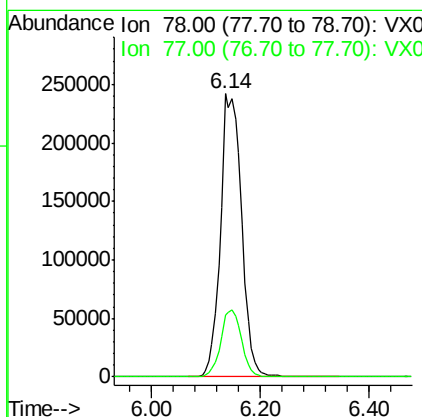
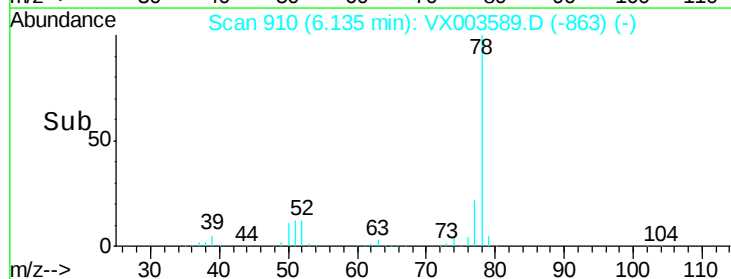
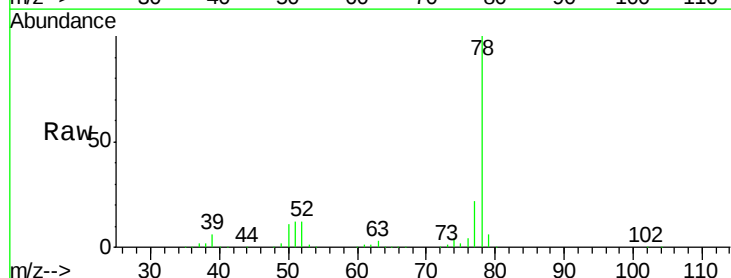
Manual Integrations
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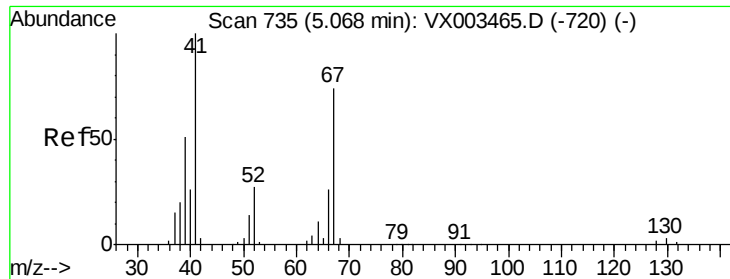
MMDadoda
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#40
Benzene
Concen: 51.76 ug/l
RT: 6.14 min Scan# 910
Delta R.T. -0.01 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	653701		
77	21.9		19.1	28.7





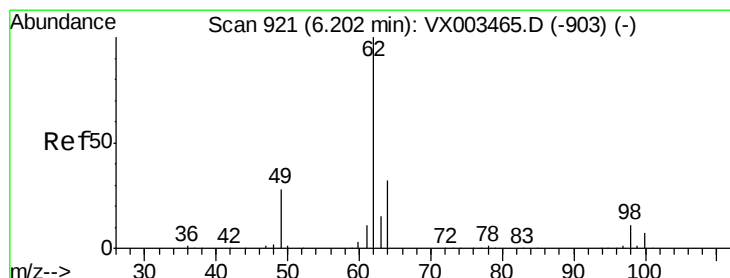
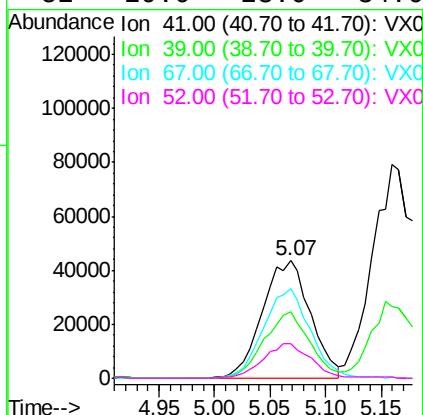
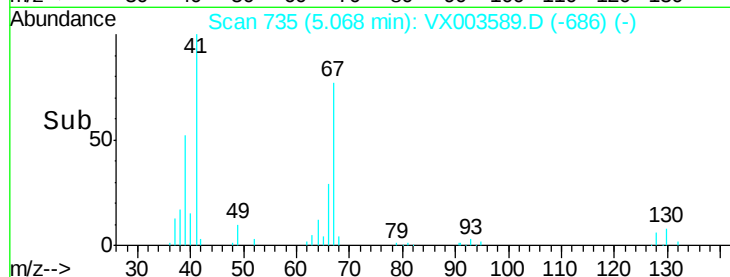
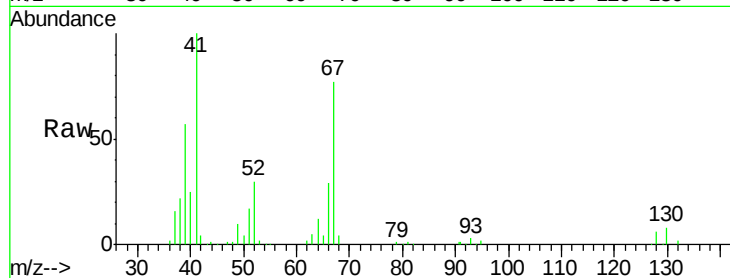
#41
Methacrylonitrile
Concen: 55.88 ug/l
RT: 5.07 min Scan# 735
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.7	45.8	68.6	
67	75.2	51.3	76.9	
52	29.0	23.0	34.6	

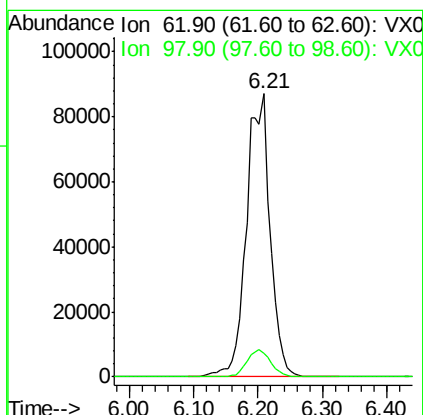
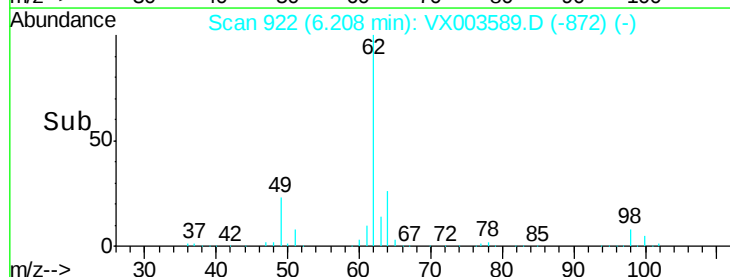
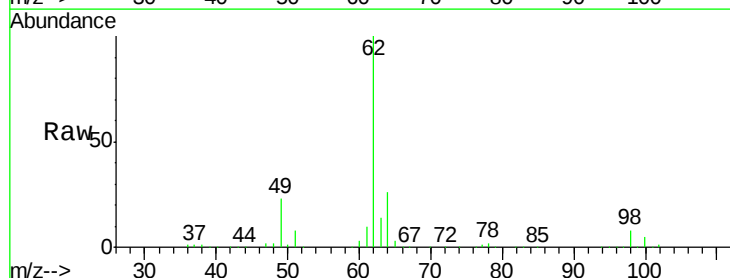
Manual Integrations
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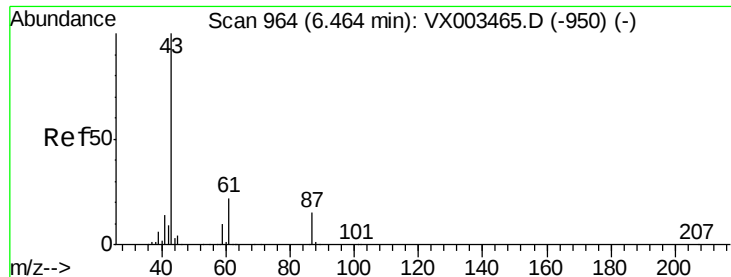
MMDadoda
7/23/2018 3:20:15 PM



#42
1,2-Dichloroethane
Concen: 54.62 ug/l
RT: 6.21 min Scan# 922
Delta R.T. 0.01 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

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





#43

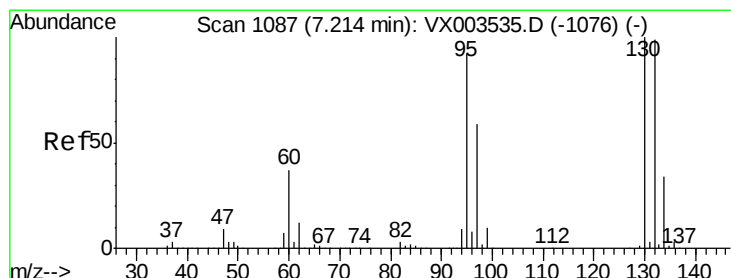
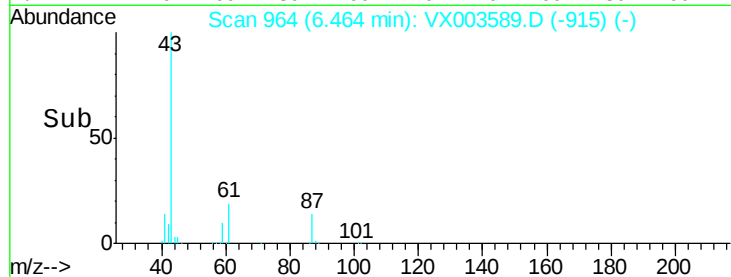
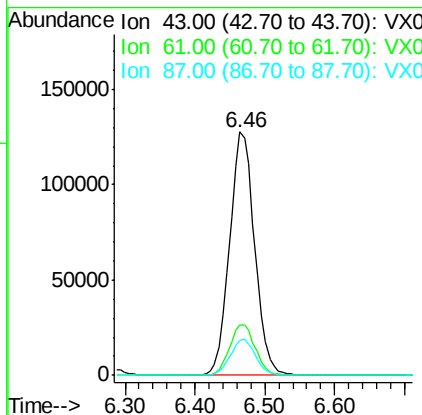
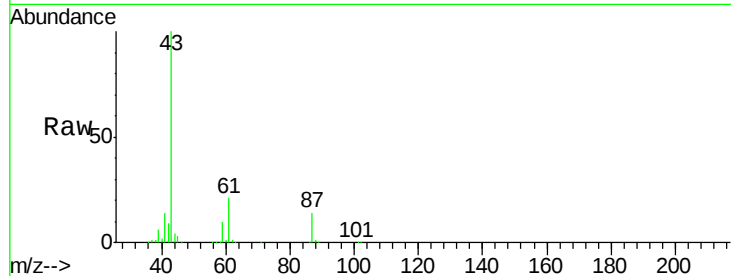
Isopropyl Acetate
 Concen: 50.27 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	14.4	21.6
87	14.8	9.5	14.3

Manual Integrations
 APPROVED

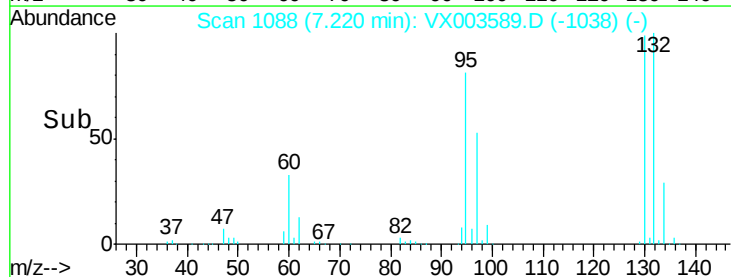
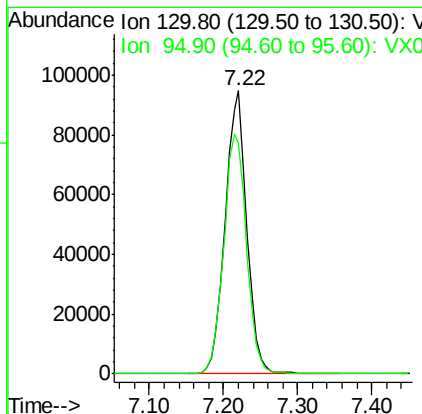
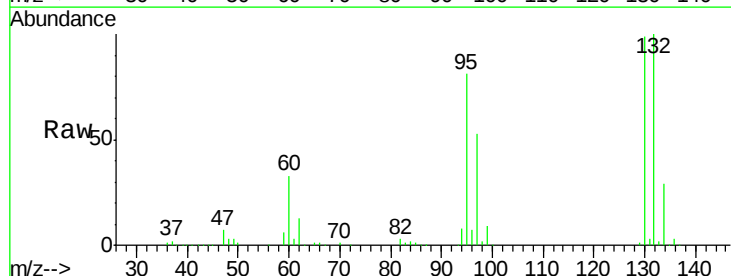
MMDadoda
 7/23/2018 3:20:15 PM



#44

Trichloroethene
 Concen: 51.05 ug/l
 RT: 7.22 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.7	0.0	185.4





#45

1,2-Dichloropropane

Concen: 50.88 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 163178

Ion Ratio Lower Upper

63 100

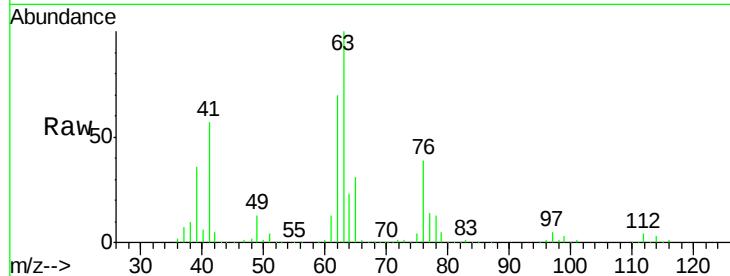
65 30.8 24.7 37.1

Manual Integrations

APPROVED

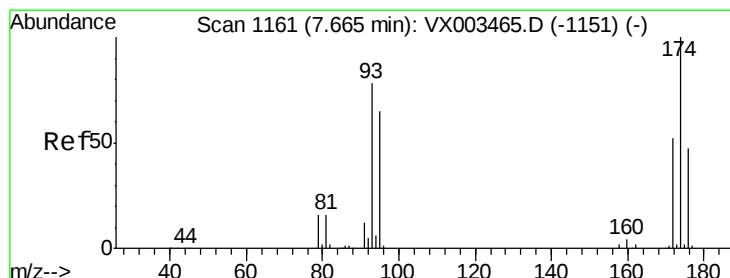
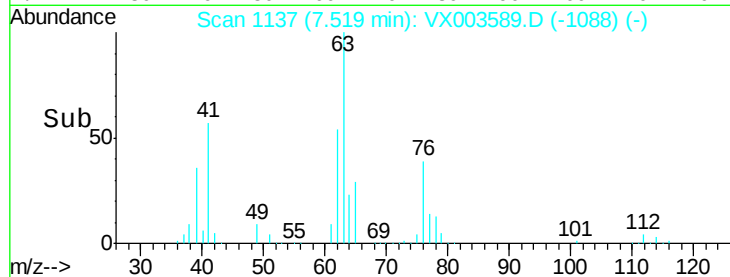
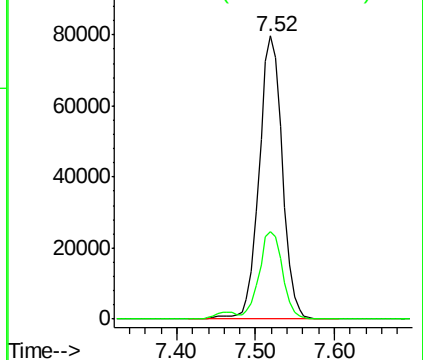
MMDadoda

7/23/2018 3:20:15 PM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 51.68 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

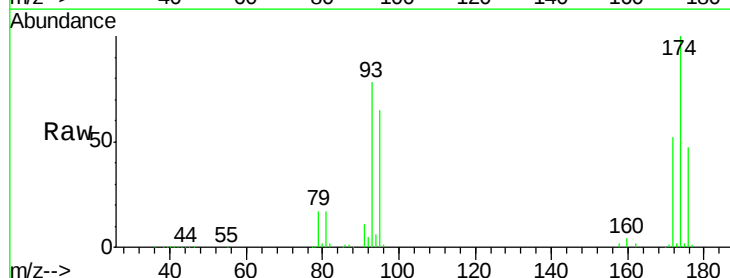
Tgt Ion: 93 Resp: 106700

Ion Ratio Lower Upper

93 100

95 83.5 65.9 98.9

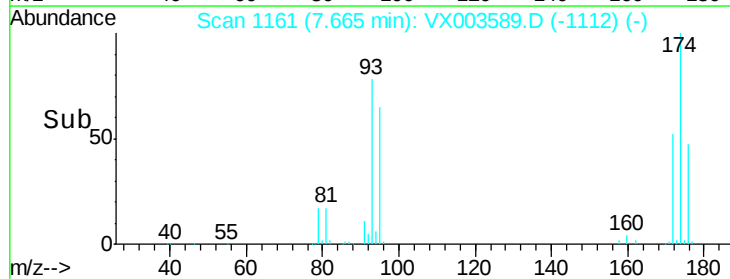
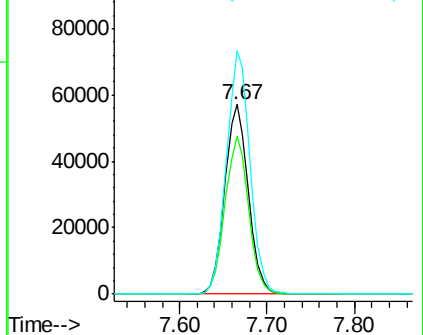
174 128.7 92.4 138.6

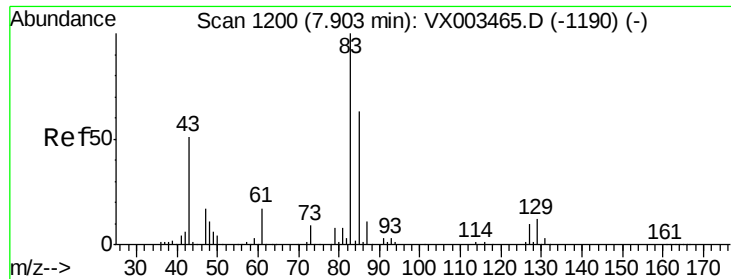


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.96 ug/l

RT: 7.90 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

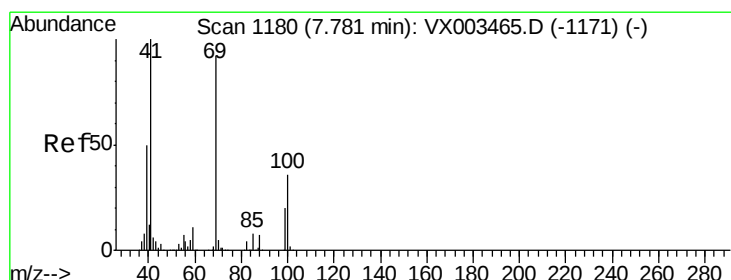
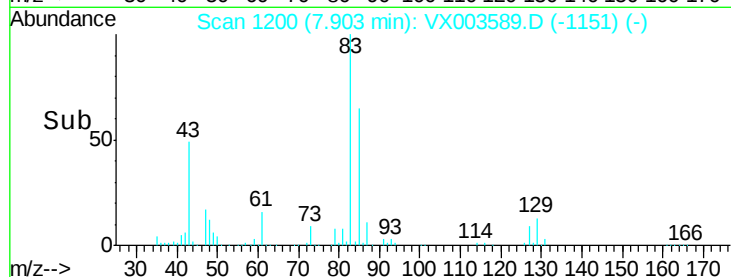
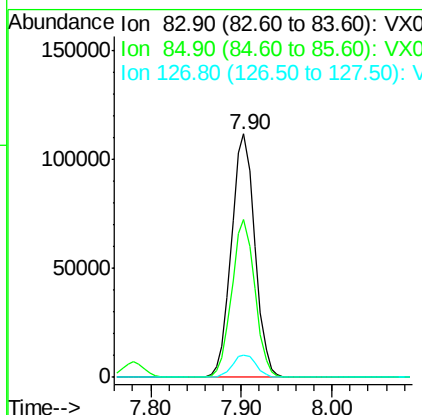
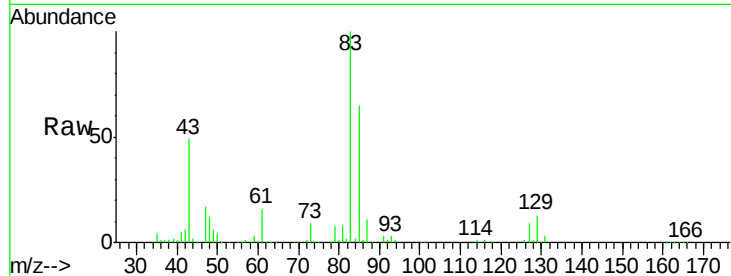
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	200174
Ion Ratio	Lower	Upper	
83	100		
85	64.8	50.3	75.5
127	9.3	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
7/23/2018 3:20:15 PM



#48

Methyl methacrylate

Concen: 51.48 ug/l

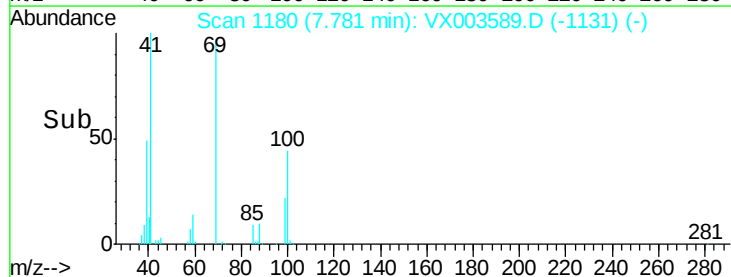
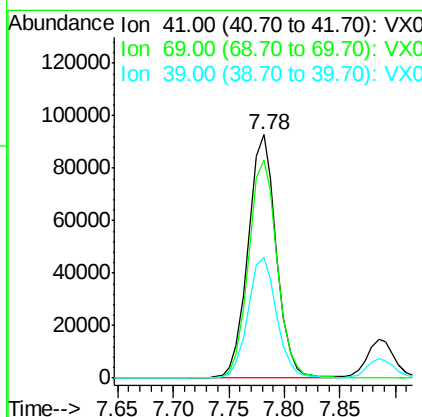
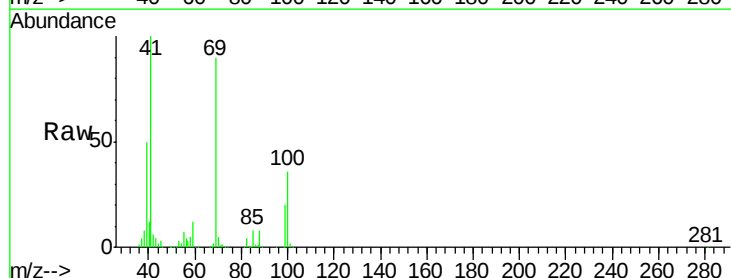
RT: 7.78 min Scan# 1180

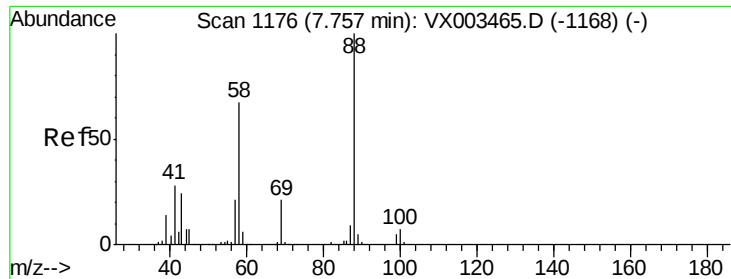
Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Tgt Ion:	41	Resp:	163464
Ion Ratio	Lower	Upper	
41	100		
69	91.6	59.1	88.7#
39	50.0	48.9	73.3





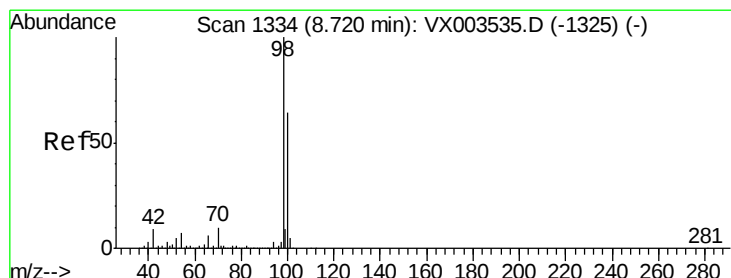
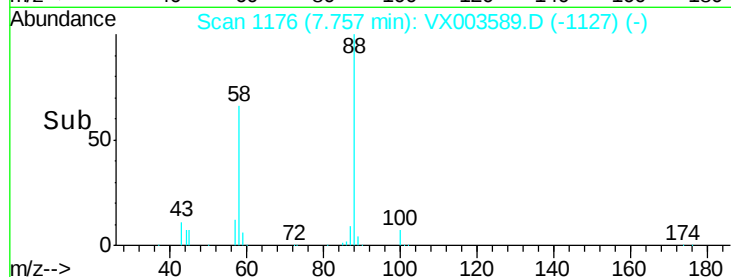
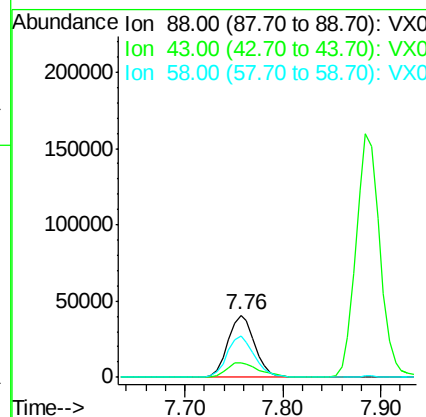
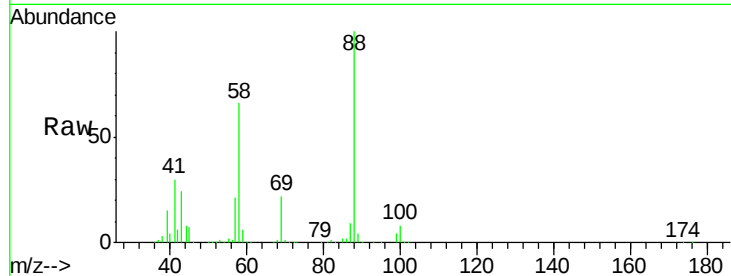
#49
1,4-Dioxane
Concen: 1071.64 ug/l
RT: 7.76 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	29.8	44.6#
58	68.4	57.1	85.7

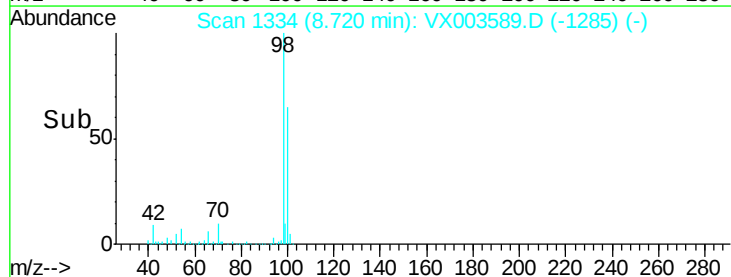
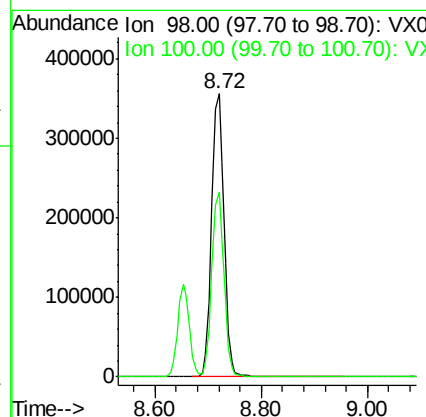
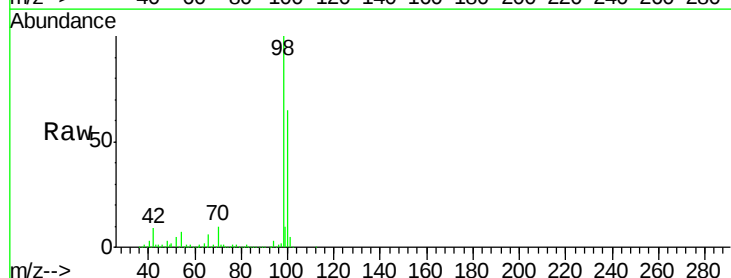
Manual Integrations
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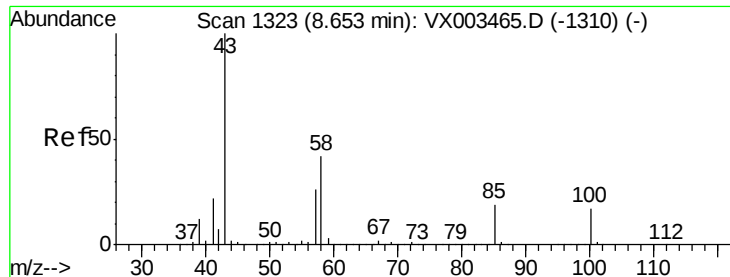
MMDadoda
7/23/2018 3:20:15 PM



#50
Toluene-d8
Concen: 51.01 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 265.80 ug/l

RT: 8.65 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1057350

Ion Ratio Lower Upper

43 100

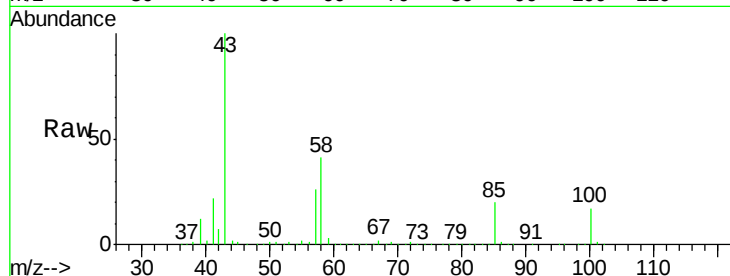
58 40.7 28.6 42.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

800000

600000

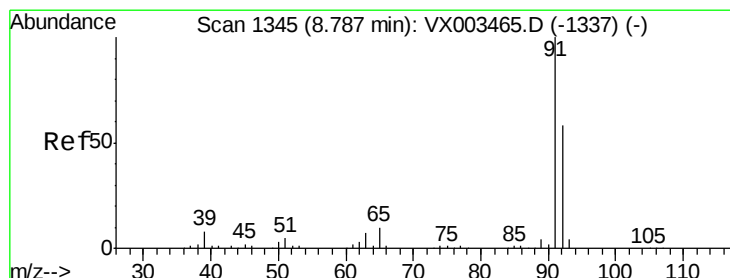
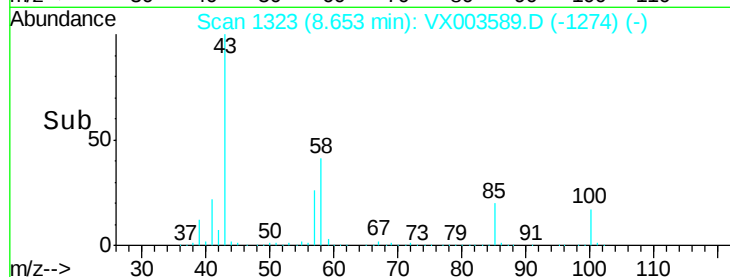
400000

200000

0

8.60 8.65 8.70 8.80

Time-->



#52

Toluene

Concen: 51.01 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003589.D

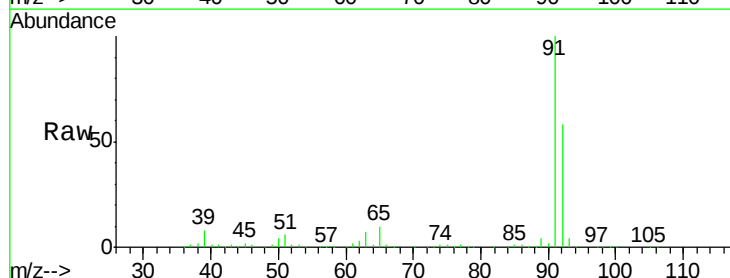
Acq: 22 Jul 2018 07:40

Tgt Ion: 92 Resp: 405534

Ion Ratio Lower Upper

92 100

91 173.6 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

500000

400000

300000

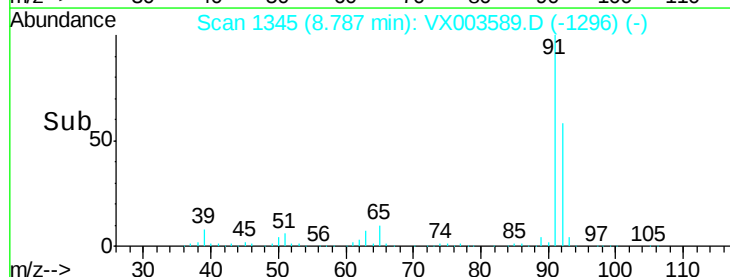
200000

100000

0

8.70 8.75 8.80 8.85 8.90 9.00

Time-->





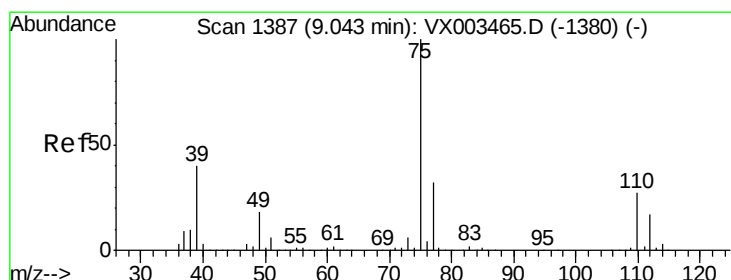
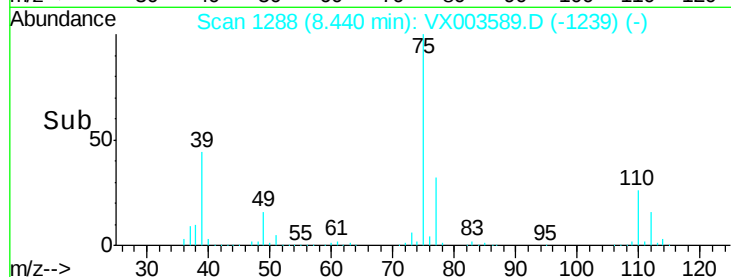
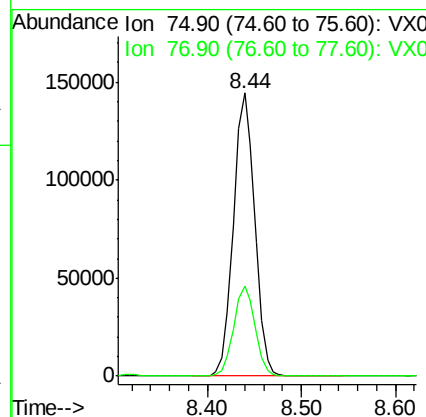
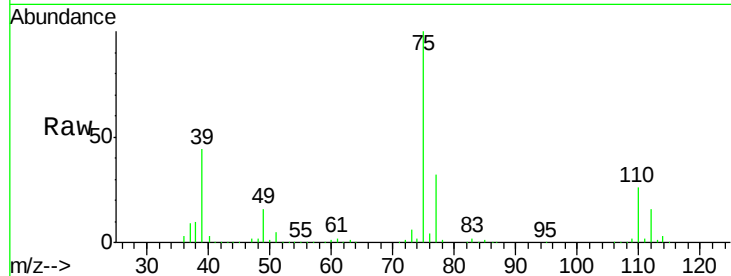
#53
t-1,3-Dichloropropene
Concen: 48.75 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 226821
Ion Ratio Lower Upper
75 100
77 32.0 25.4 38.2

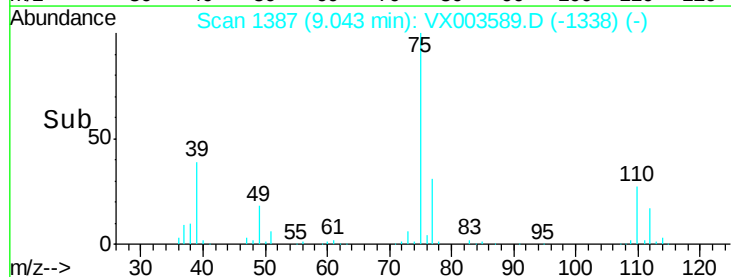
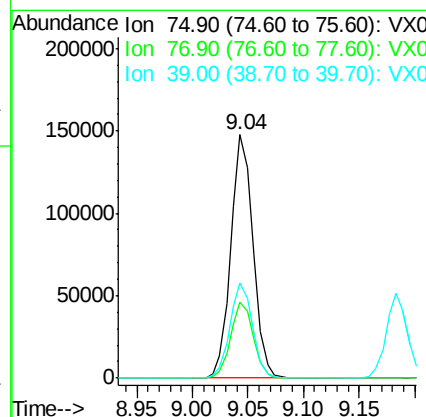
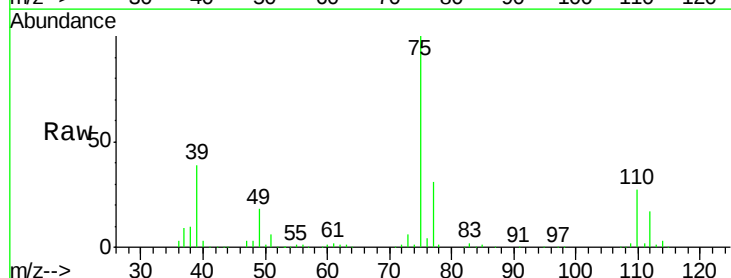
Manual Integrations
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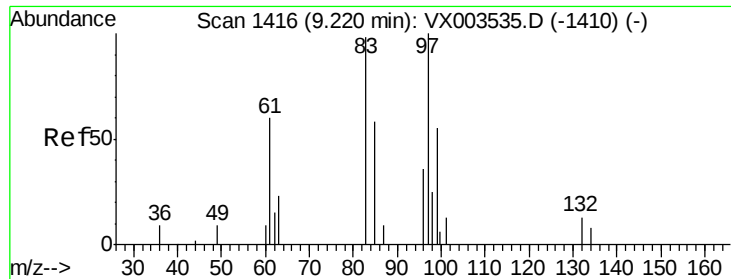
MMDadoda
7/23/2018 3:20:15 PM



#54
cis-1,3-Dichloropropene
Concen: 48.73 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion: 75 Resp: 203887
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2
39 38.9 42.4 63.6#





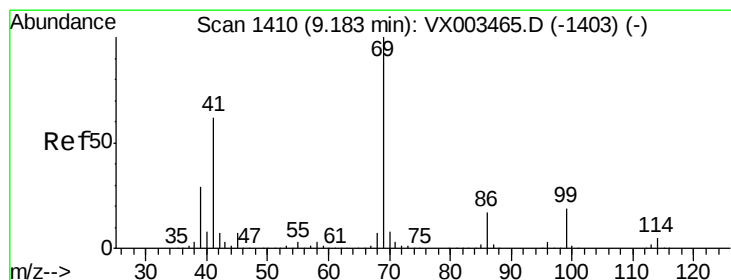
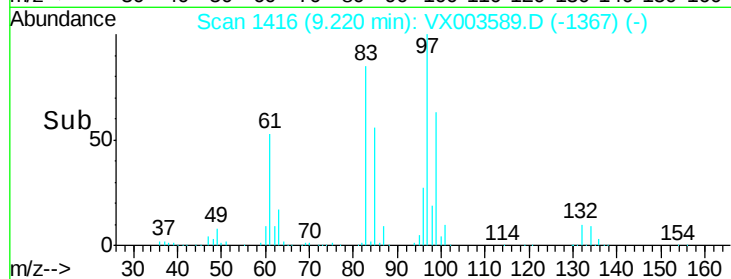
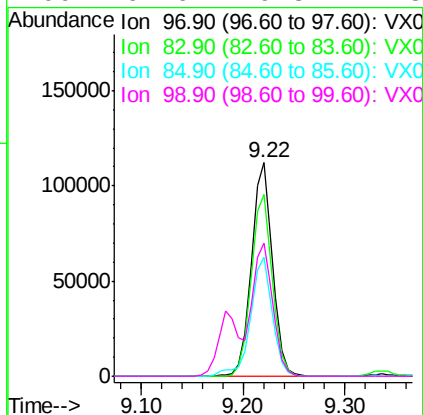
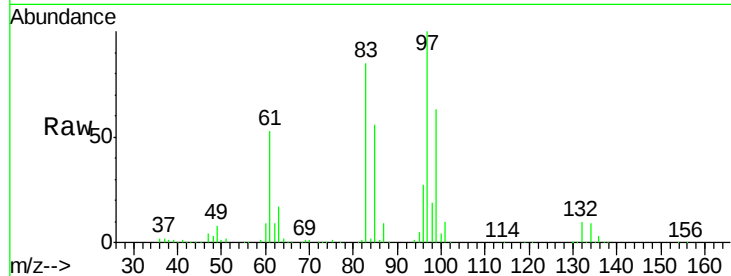
#55
 1,1,2-Trichloroethane
 Concen: 51.35 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.2	70.2	105.2
85	55.6	44.9	67.3
99	62.6	49.8	74.8

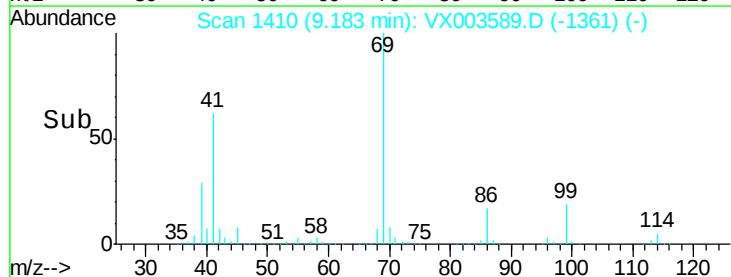
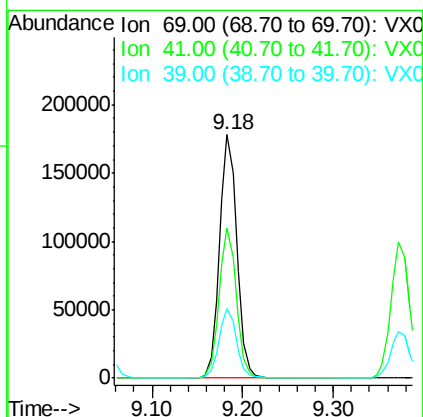
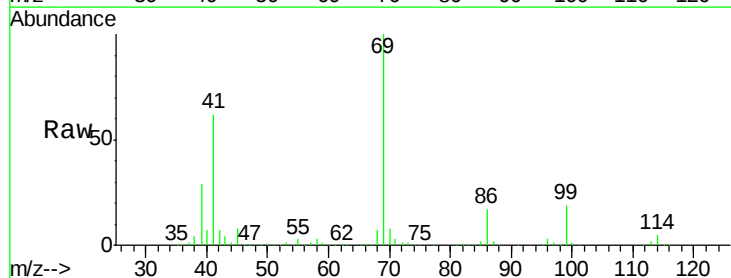
Manual Integrations
 APPROVED

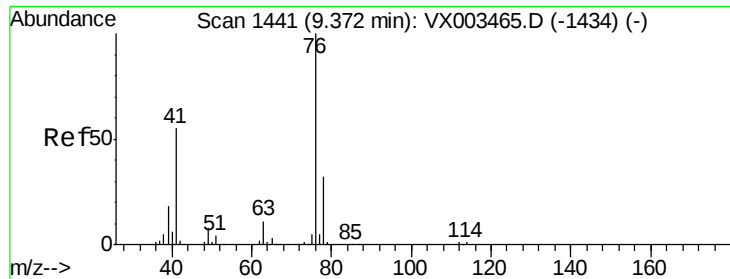
MMDadoda
 7/23/2018 3:20:15 PM



#56
 Ethyl methacrylate
 Concen: 53.45 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.1	60.3	90.5
39	28.8	35.8	53.8#





#57

1,3-Dichloropropane

Concen: 51.41 ug/l

RT: 9.37 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 262909

Ion Ratio Lower Upper

76 100

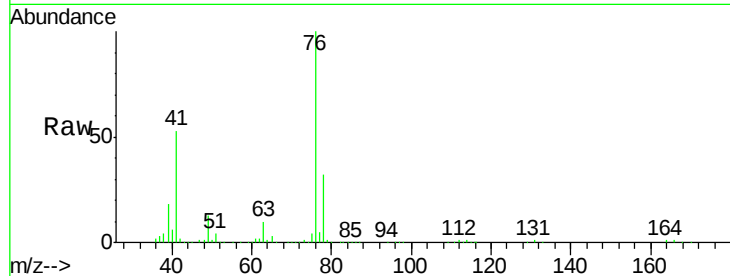
78 32.1 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

7/23/2018 3:20:15 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

200000

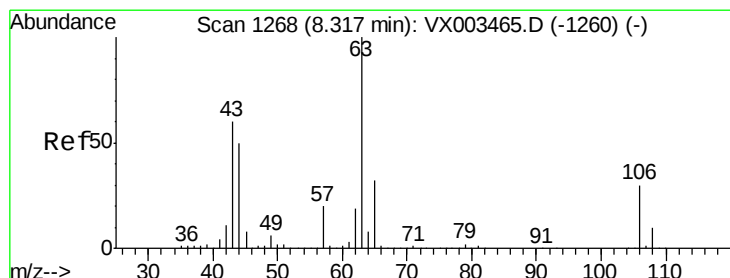
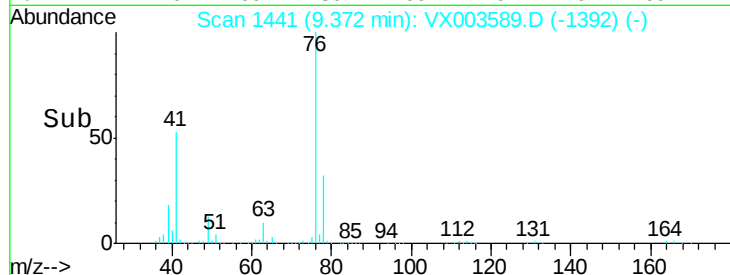
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 252.26 ug/l

RT: 8.32 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VX003589.D

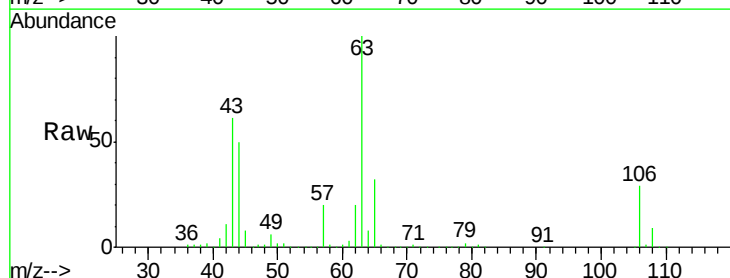
Acq: 22 Jul 2018 07:40

Tgt Ion: 63 Resp: 546569

Ion Ratio Lower Upper

63 100

106 29.5 21.8 32.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

8.32

400000

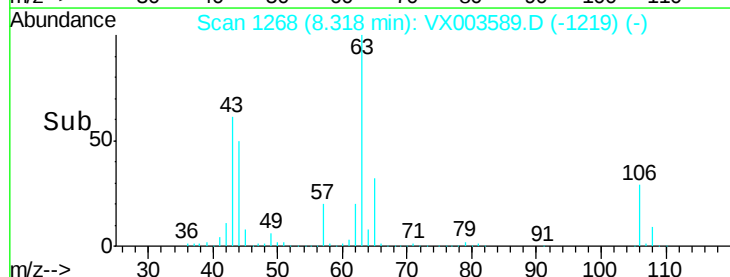
300000

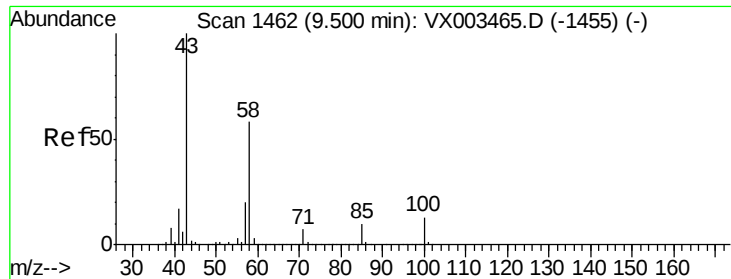
200000

100000

0

Time-->





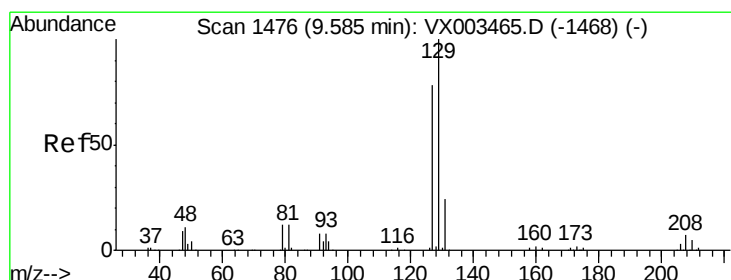
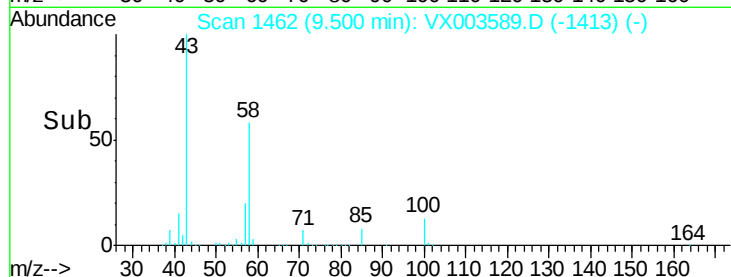
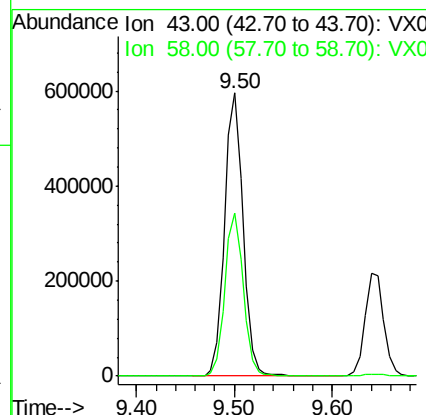
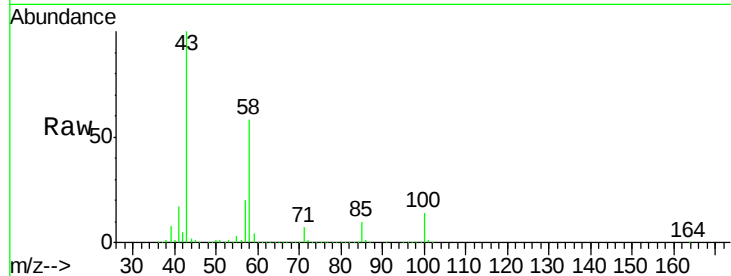
#59
2-Hexanone
Concen: 265.99 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 783972
Ion Ratio Lower Upper
43 100
58 57.7 24.6 73.6

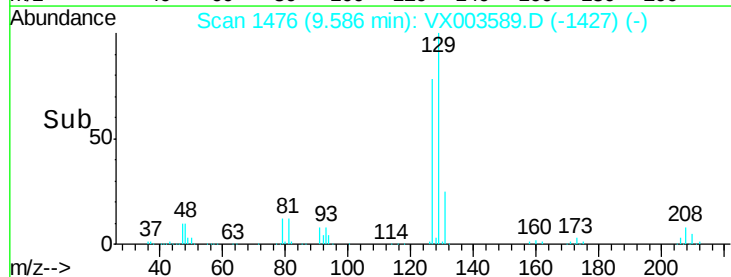
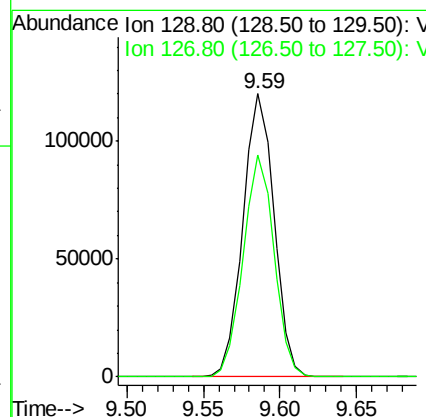
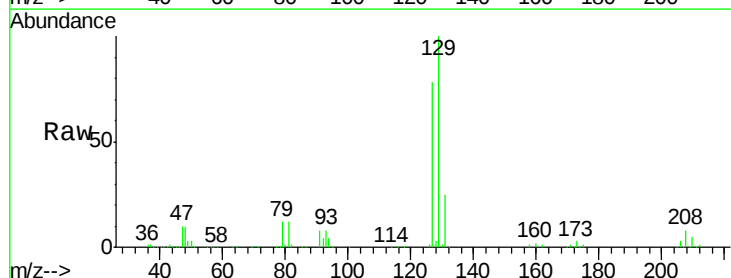
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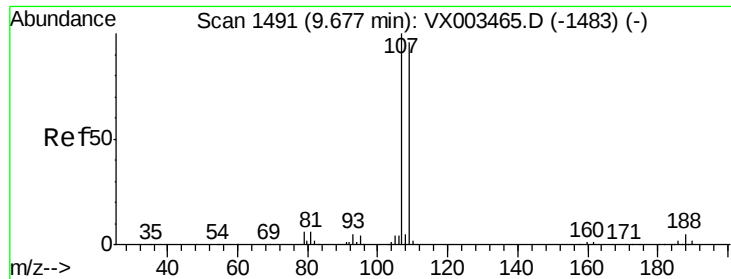
MMDadoda
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#60
Dibromochloromethane
Concen: 54.26 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion:129 Resp: 169920
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 52.22 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 171248

Ion Ratio Lower Upper

107 100

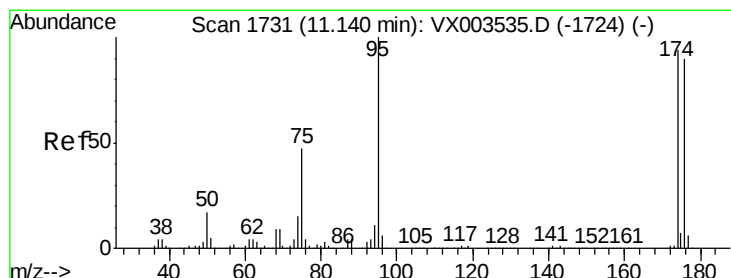
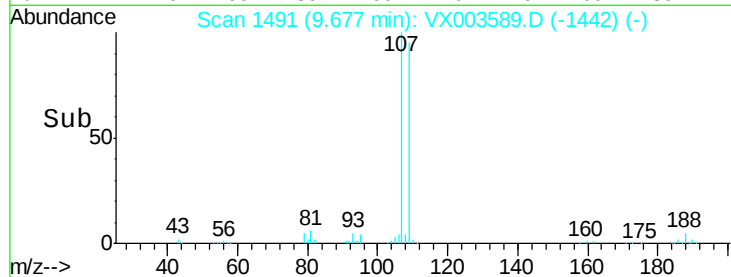
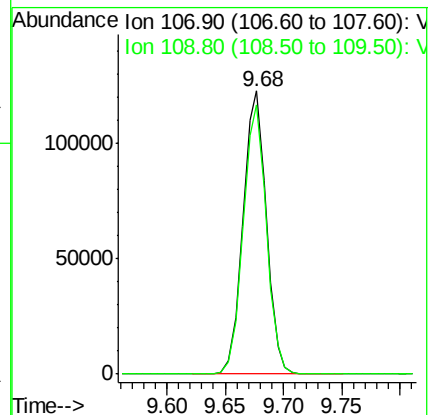
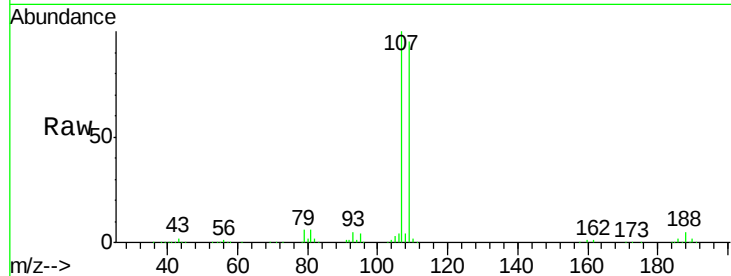
109 95.0 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.90 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

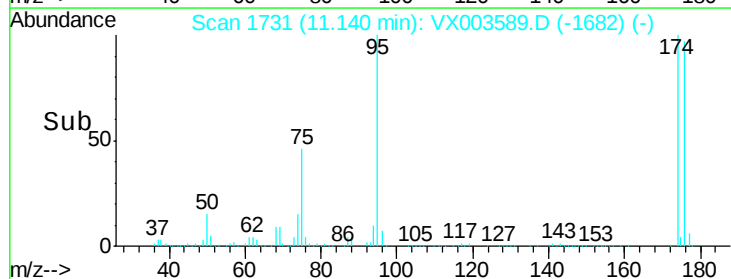
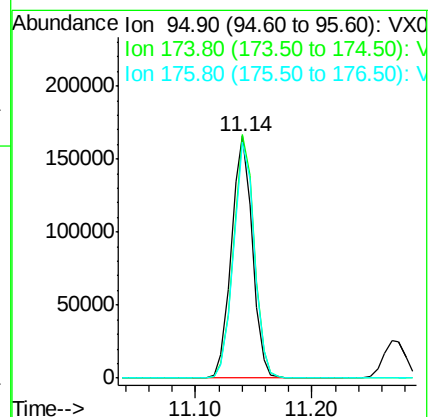
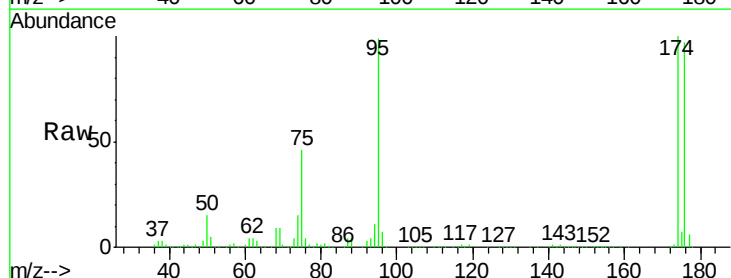
Tgt Ion: 95 Resp: 206038

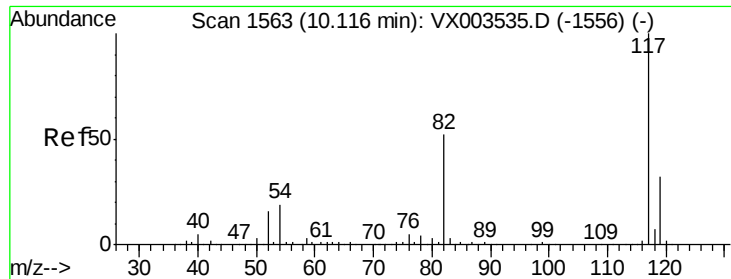
Ion Ratio Lower Upper

95 100

174 100.1 0.0 187.4

176 97.4 0.0 181.0





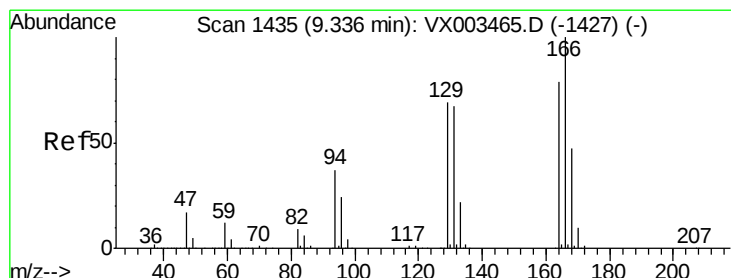
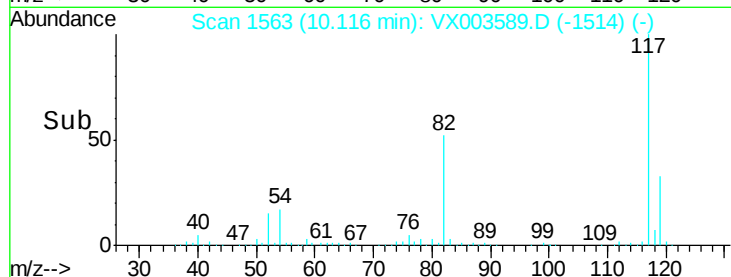
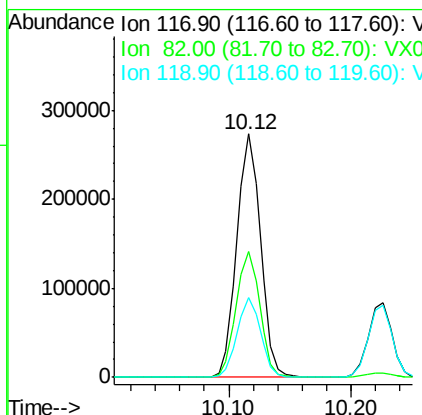
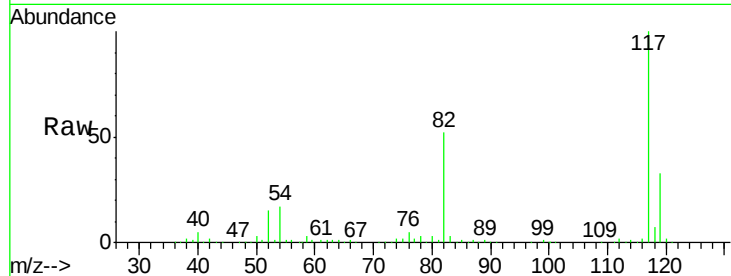
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	45.0	67.4
119	32.8	25.8	38.6

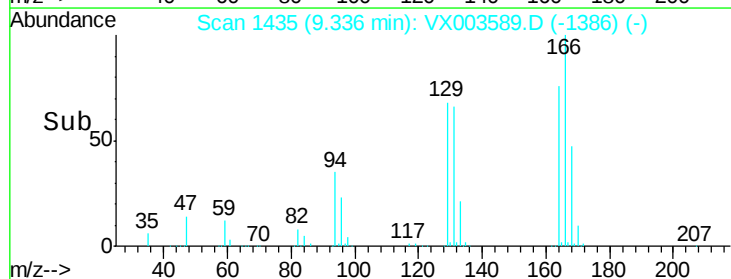
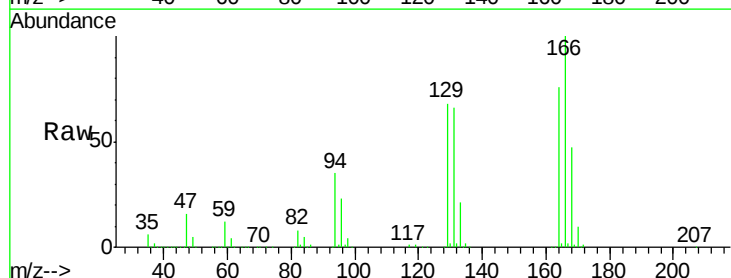
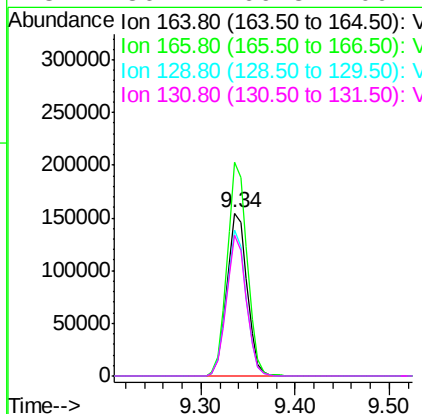
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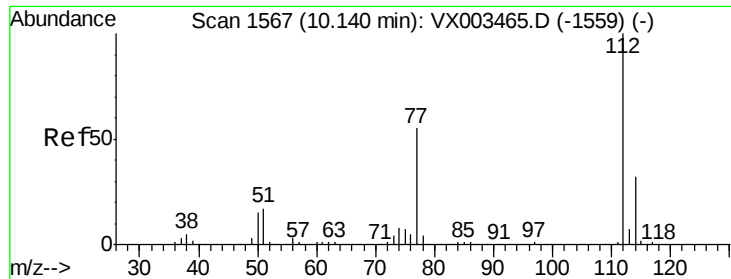
MMDadoda
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#64
Tetrachloroethene
Concen: 51.27 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	102.9	154.3
129	89.3	68.6	102.8
131	86.1	66.8	100.2





#65

Chlorobenzene

Concen: 49.25 ug/l

RT: 10.14 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 466408

Ion Ratio Lower Upper

112 100

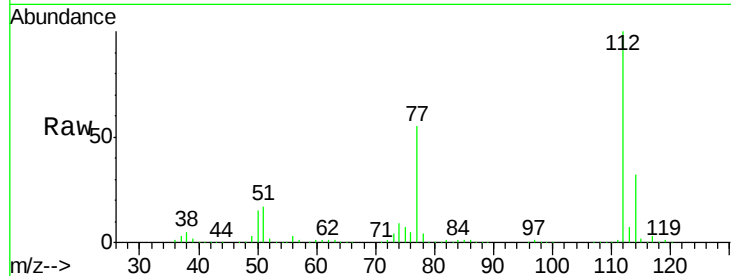
114 32.4 25.3 37.9

Manual Integrations

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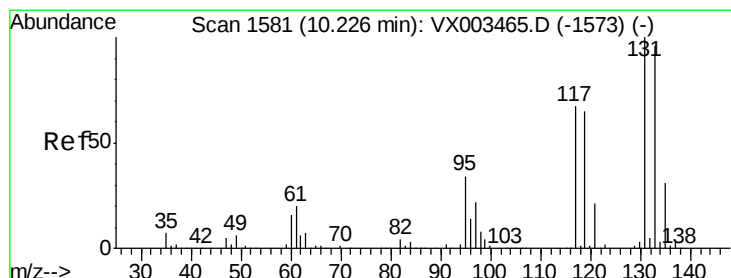
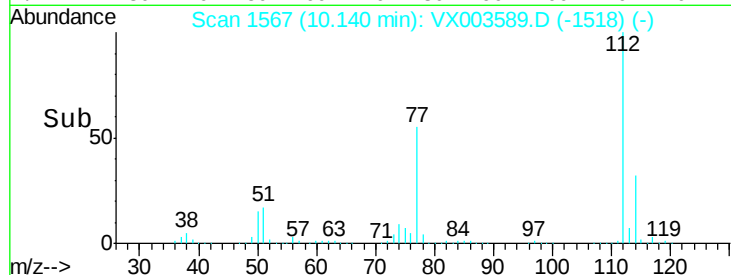
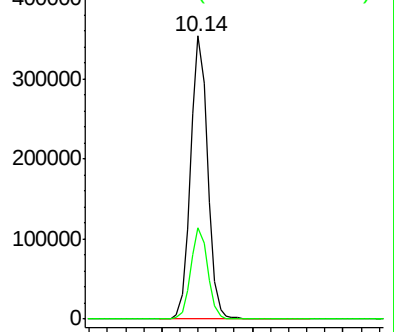
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 52.17 ug/l

RT: 10.23 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

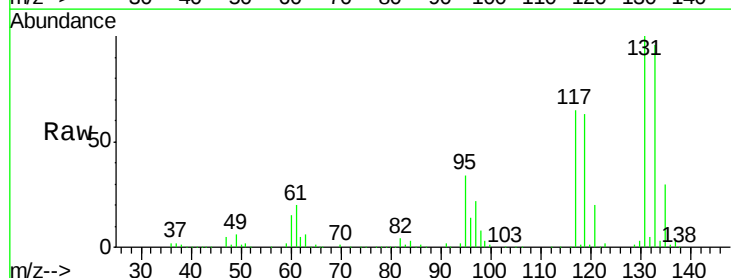
Tgt Ion:131 Resp: 169979

Ion Ratio Lower Upper

131 100

133 96.5 47.9 143.6

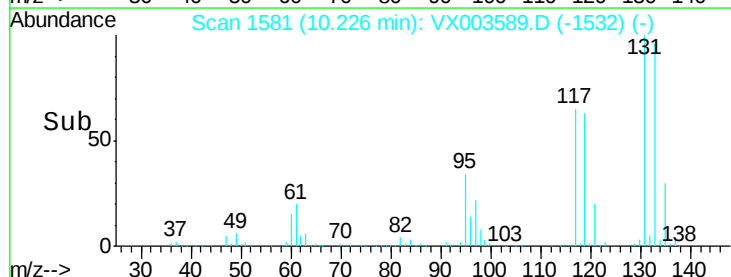
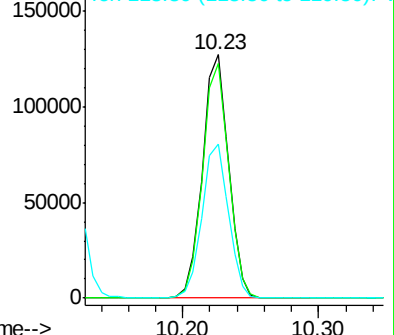
119 64.3 31.8 95.3



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





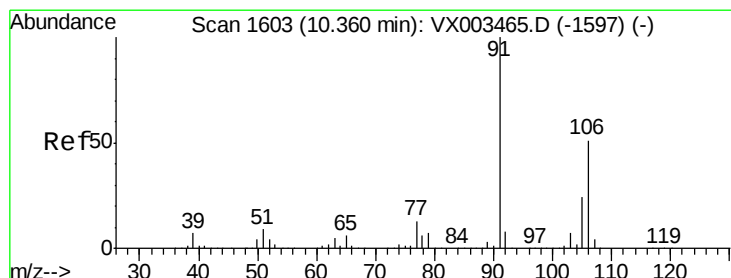
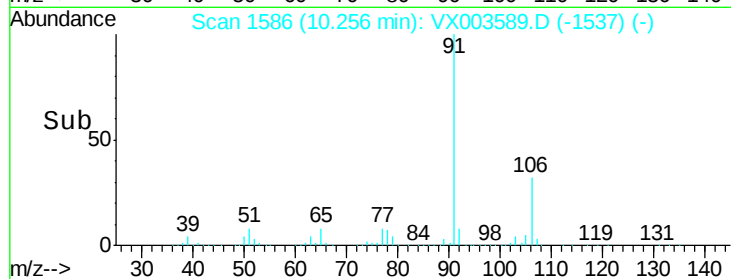
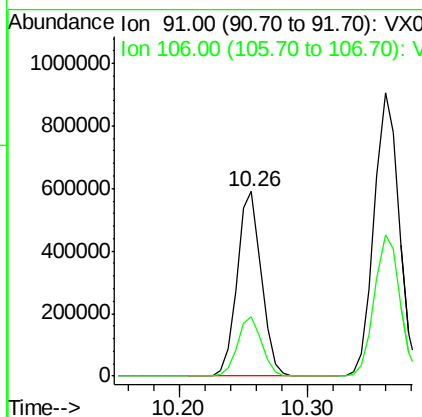
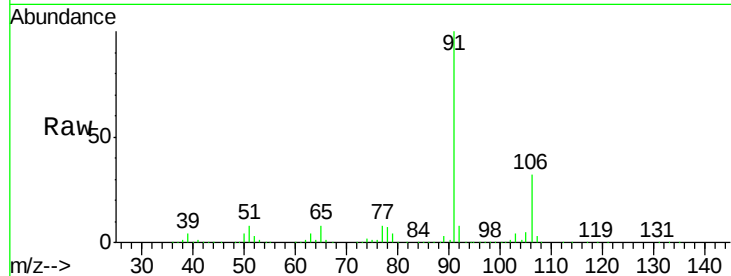
#67
Ethyl Benzene
Concen: 50.77 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 772966
Ion Ratio Lower Upper
91 100
106 32.5 25.5 38.3

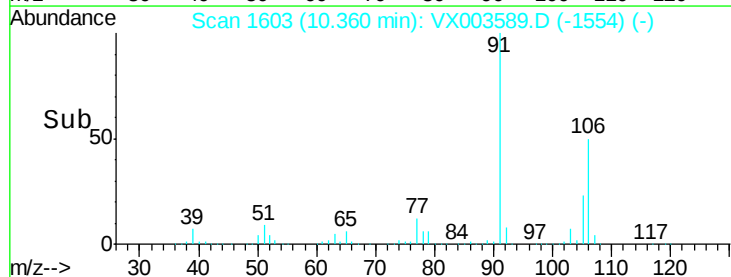
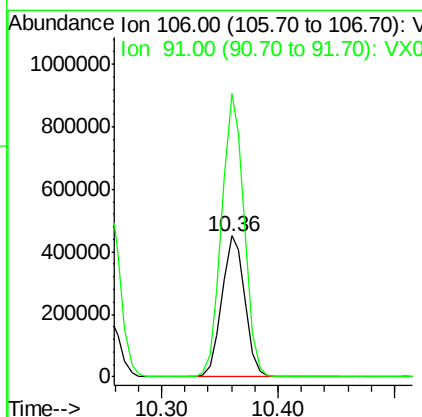
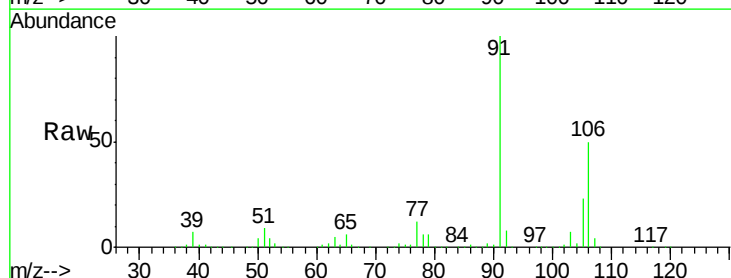
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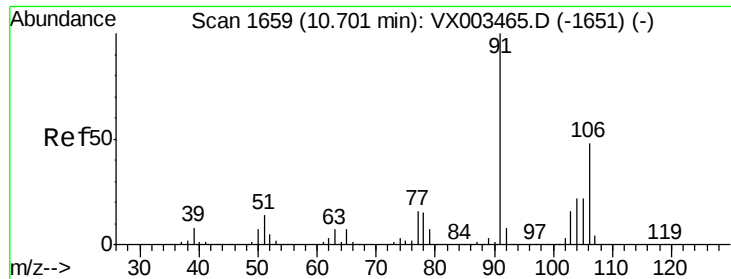
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#68
m/p-Xylenes
Concen: 101.78 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion: 106 Resp: 607501
Ion Ratio Lower Upper
106 100
91 198.2 163.4 245.2





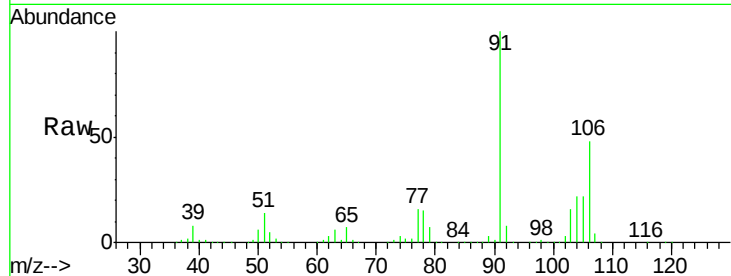
#69
o-Xylene
Concen: 51.15 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

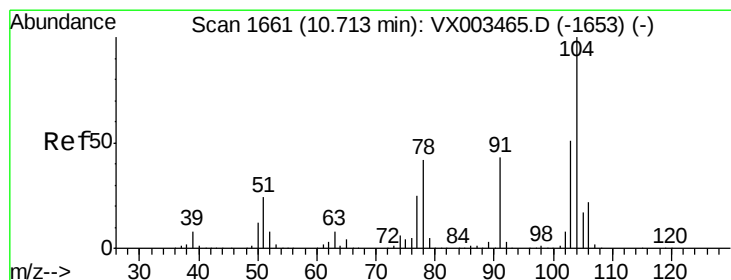
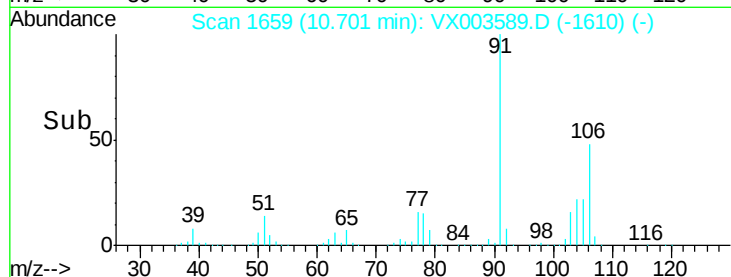
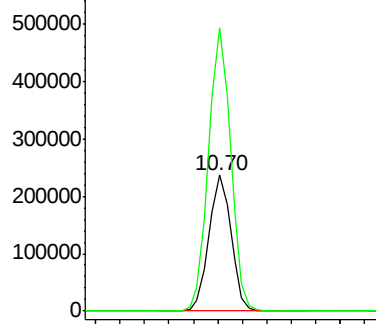
Tot Ion:106 Resp: 295223
Ion Ratio Lower Upper
106 100
91 208.5 108.2 324.6

Manual Integrations
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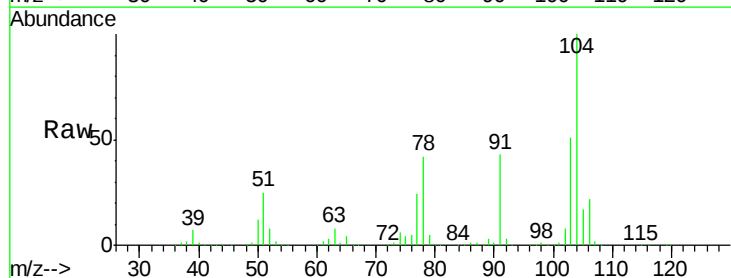


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

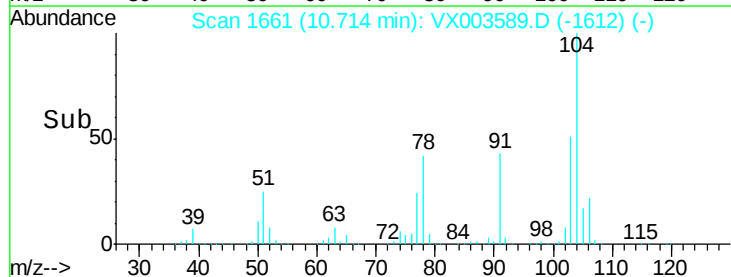
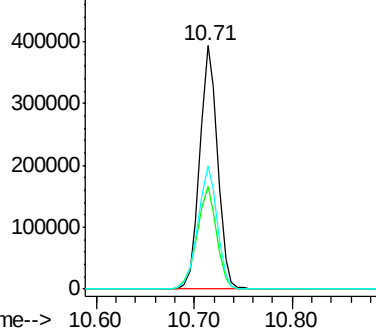


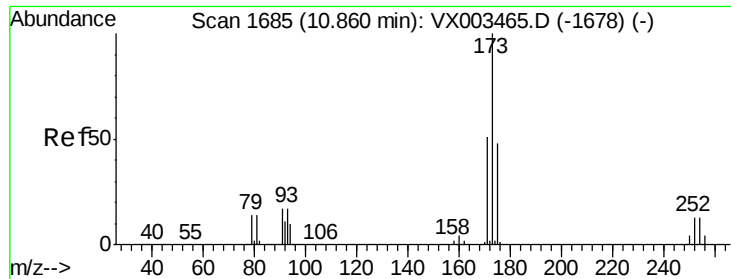
#70
Styrene
Concen: 52.62 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion:104 Resp: 499592
Ion Ratio Lower Upper
104 100
78 46.2 41.0 61.6
103 55.0 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 54.13 ug/l

RT: 10.86 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 137018

Ion Ratio Lower Upper

173 100

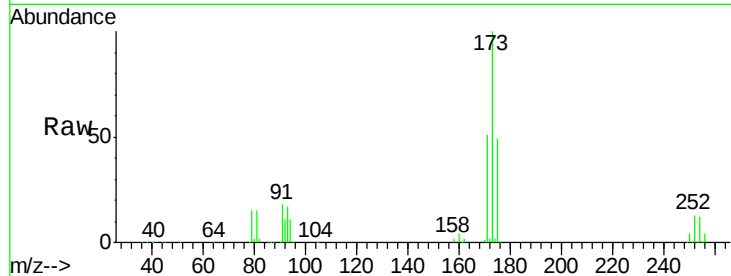
175 49.2 24.7 74.1

254 0.2 0.2 0.2#

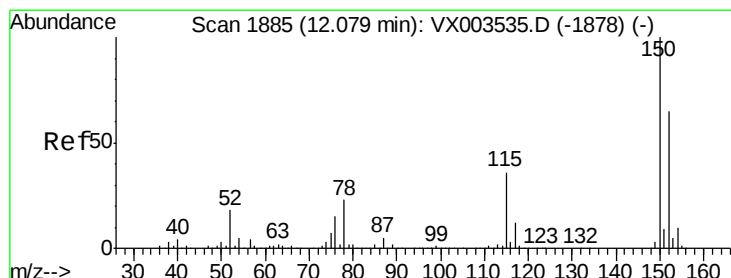
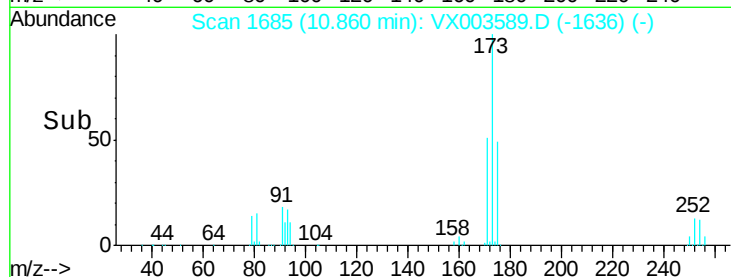
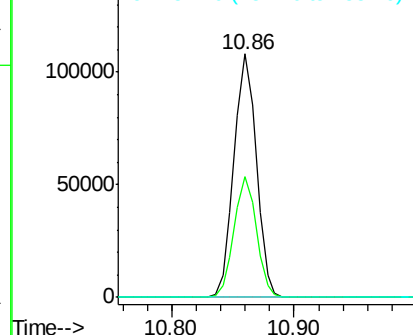
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

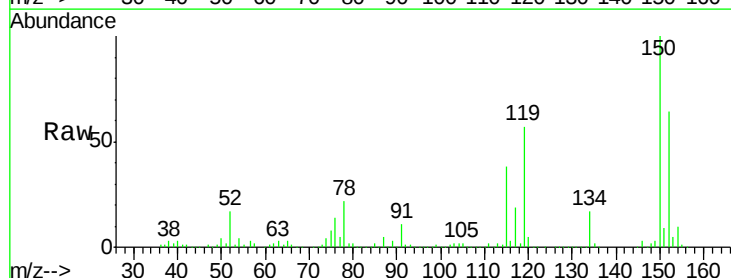
Tgt Ion:152 Resp: 227900

Ion Ratio Lower Upper

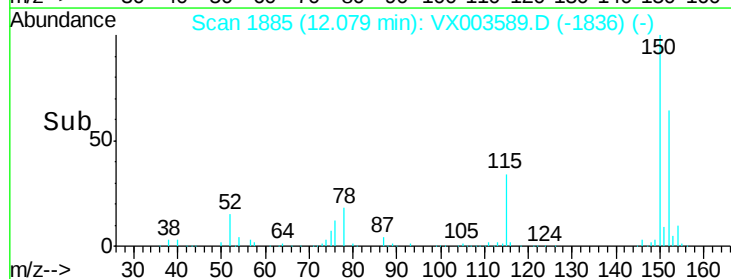
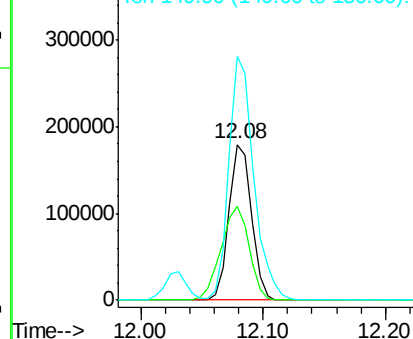
152 100

115 75.5 40.1 120.2

150 173.4 0.0 347.2



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





#73

Isopropylbenzene

Concen: 50.08 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 789363

Ion Ratio Lower Upper

105 100

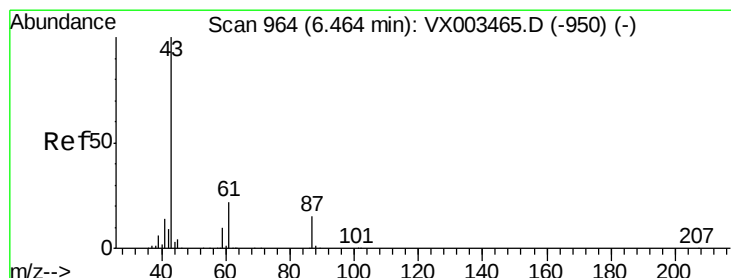
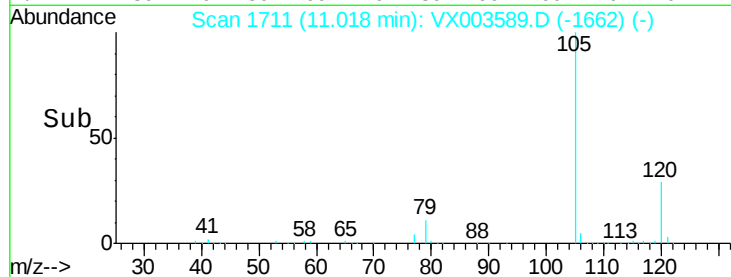
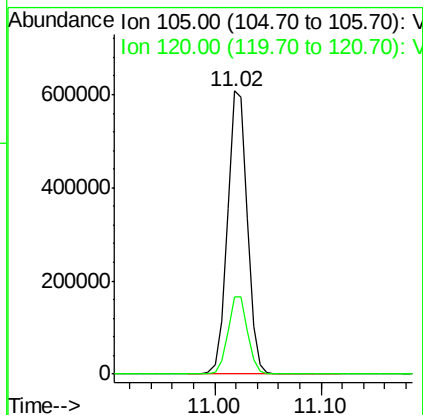
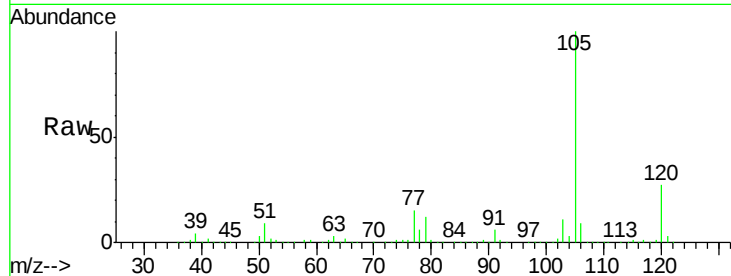
120 27.3 13.5 40.4

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#74

N-ethyl acetate

Concen: 47.29 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Tgt Ion: 43 Resp: 316521

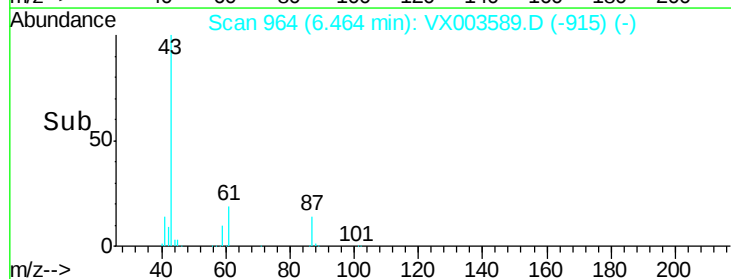
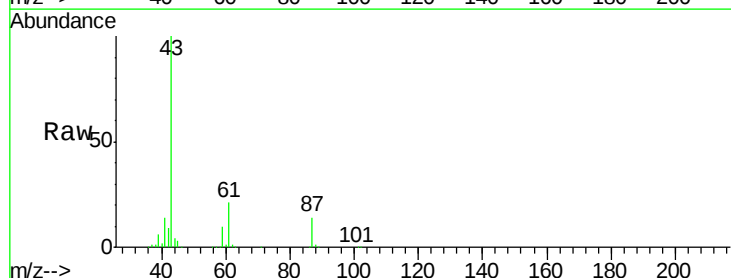
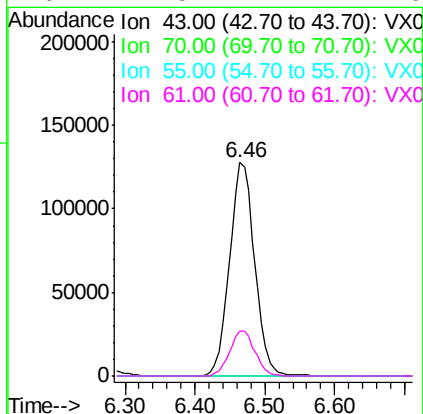
Ion Ratio Lower Upper

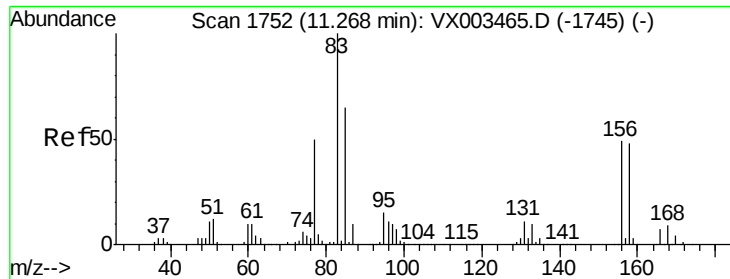
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 21.5 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.18 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 227162

Ion Ratio Lower Upper

83 100

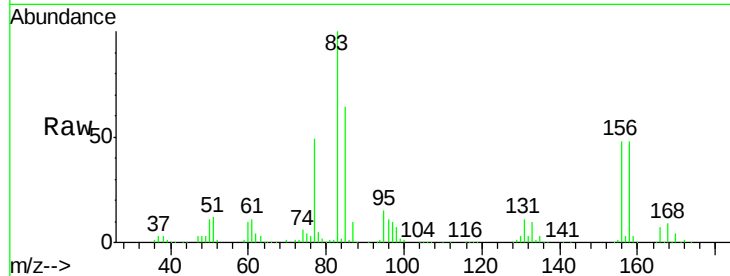
131 11.1 5.6 16.8

85 64.7 32.4 97.2

Manual Integrations
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MMDadoda

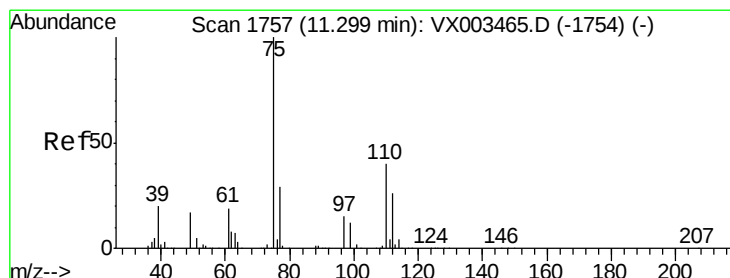
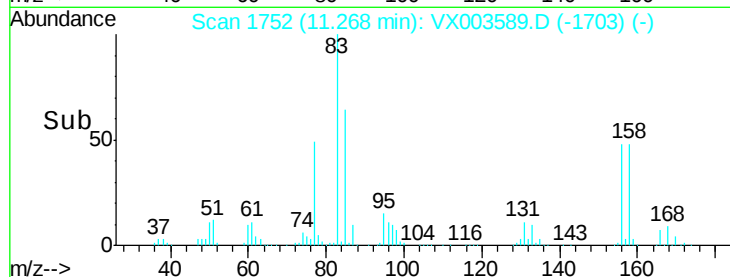
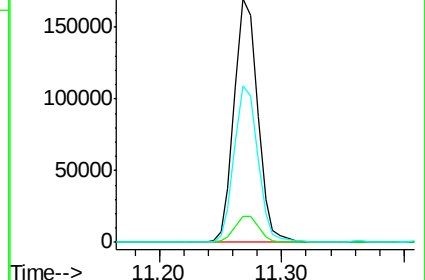
7/23/2018 3:20:15 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 55.93 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003589.D

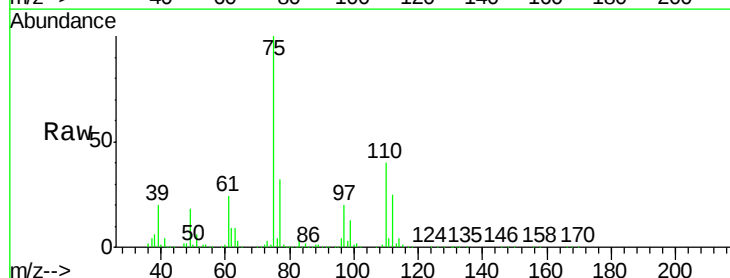
Acq: 22 Jul 2018 07:40

Tgt Ion: 75 Resp: 228997

Ion Ratio Lower Upper

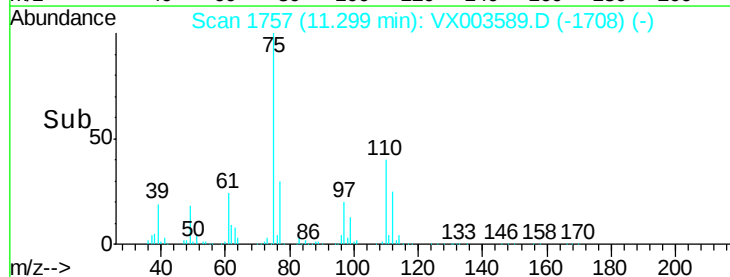
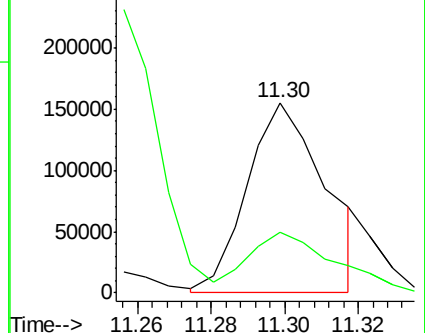
75 100

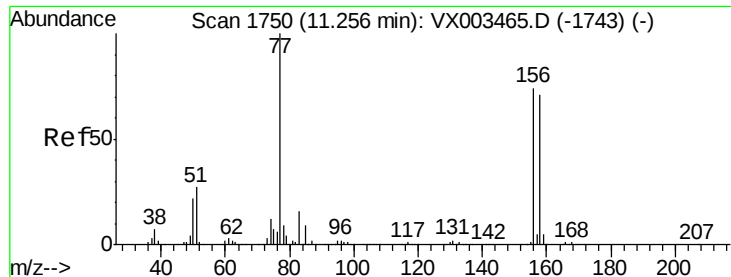
77 35.8 22.8 68.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 48.74 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 220969

Ion Ratio Lower Upper

156 100

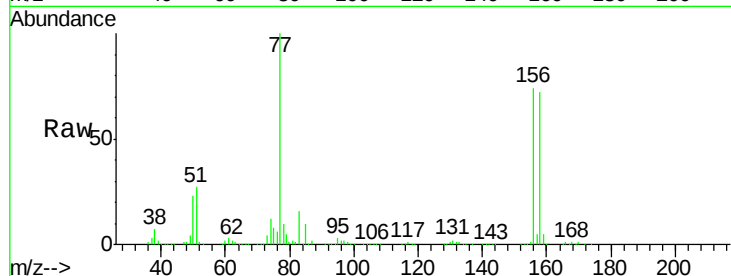
77 132.7 71.4 214.2

158 98.4 48.9 146.6

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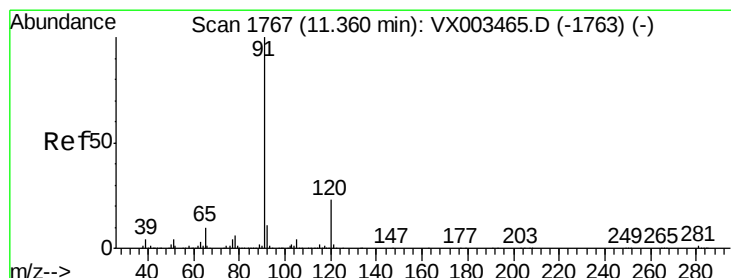
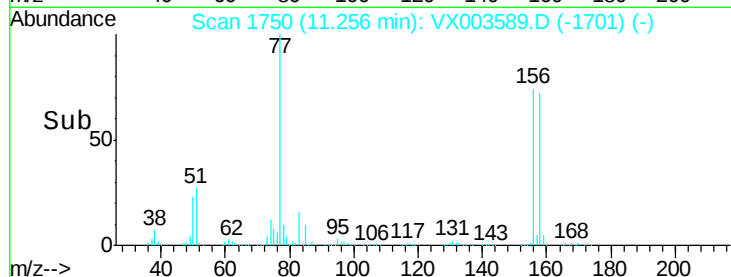
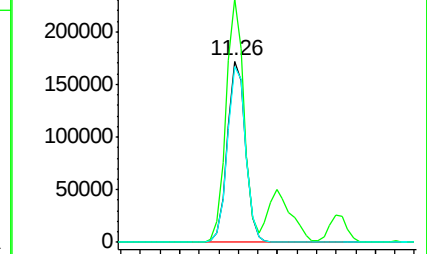
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.13 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003589.D

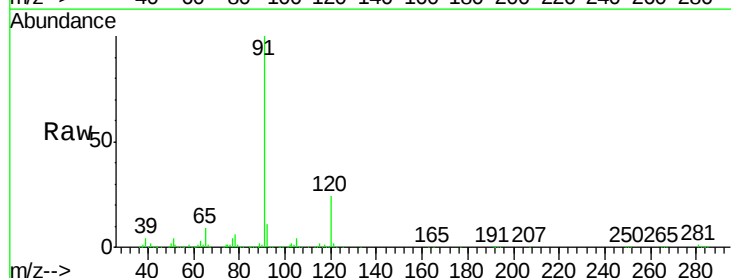
Acq: 22 Jul 2018 07:40

Tgt Ion: 91 Resp: 878318

Ion Ratio Lower Upper

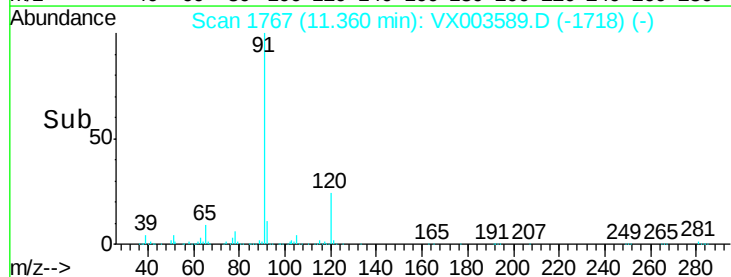
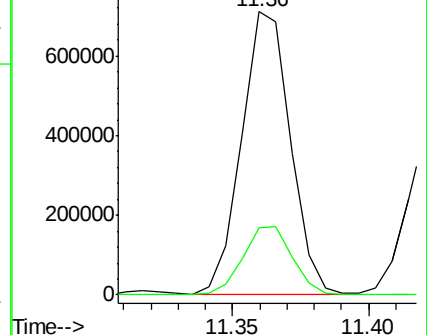
91 100

120 24.7 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: 49.12 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 522395

Ion Ratio Lower Upper

91 100

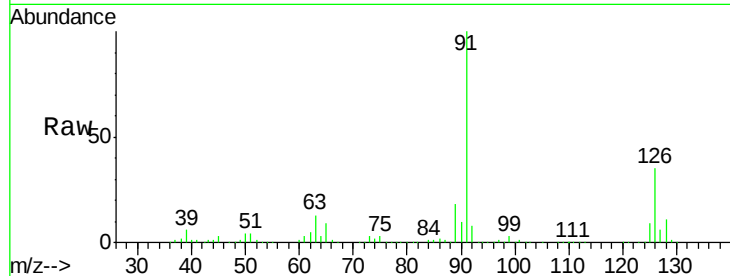
126 36.8 17.7 53.1

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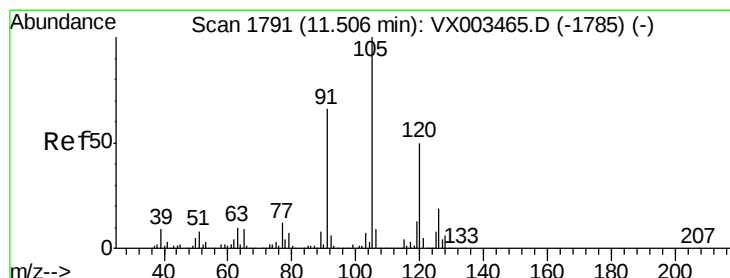
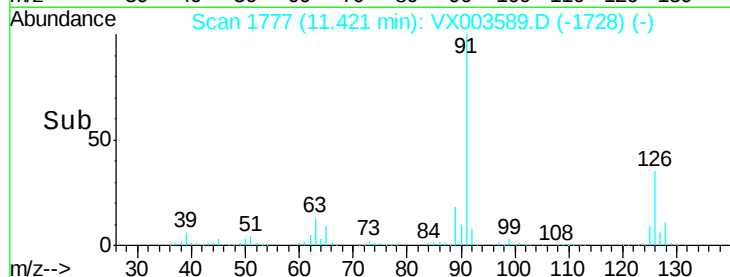
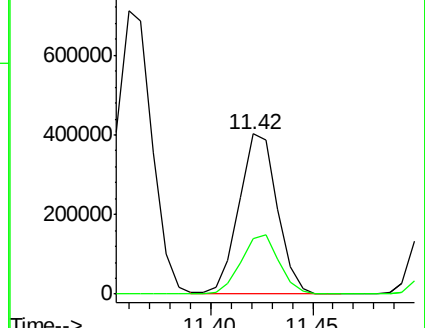
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Abundance Ion 91.00 (90.70 to 91.70): VX003589.D (-1773) (-)

Ion 125.90 (125.60 to 126.60): VX003589.D (-1773) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.60 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003589.D

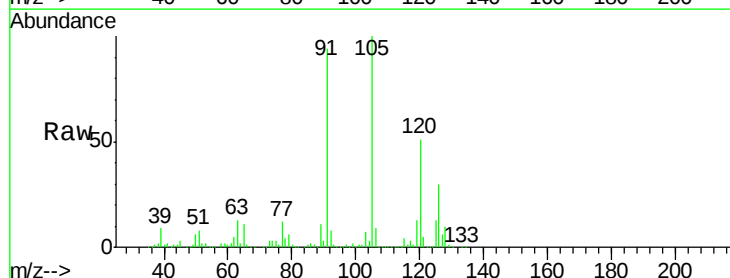
Acq: 22 Jul 2018 07:40

Tgt Ion: 105 Resp: 655378

Ion Ratio Lower Upper

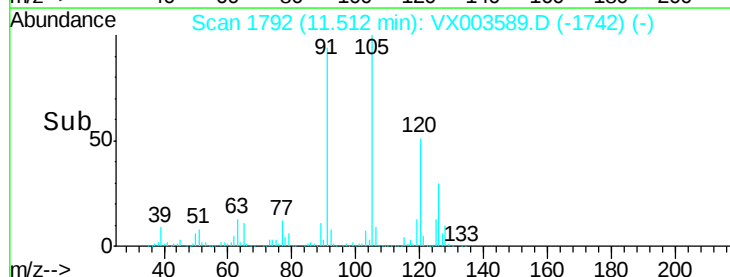
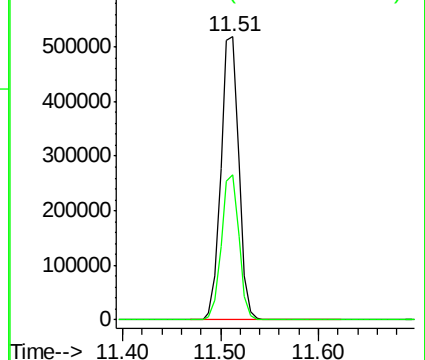
105 100

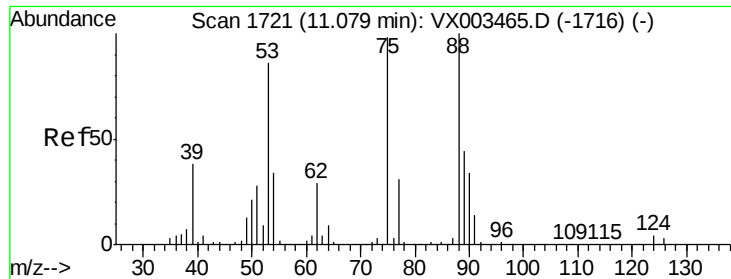
120 50.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): VX003589.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX003589.D (-1785) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 38.96 ug/l

RT: 11.08 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 55372

Ion Ratio Lower Upper

75 100

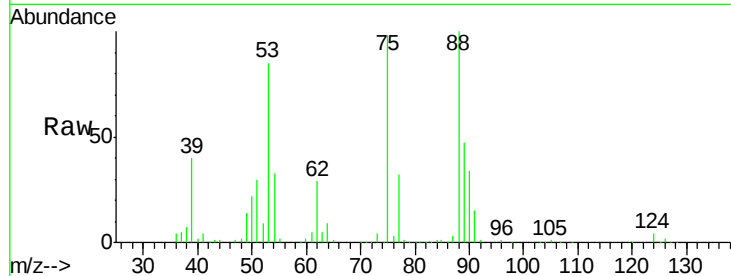
53 91.9 86.8 130.2

89 47.4 38.2 57.2

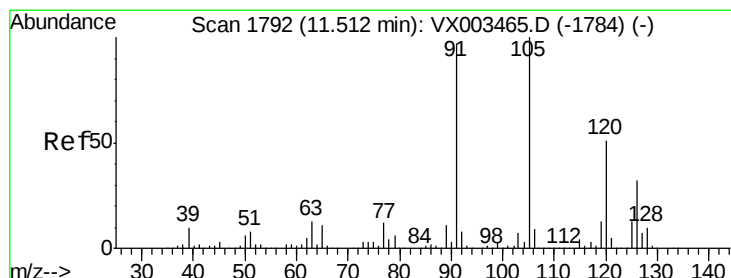
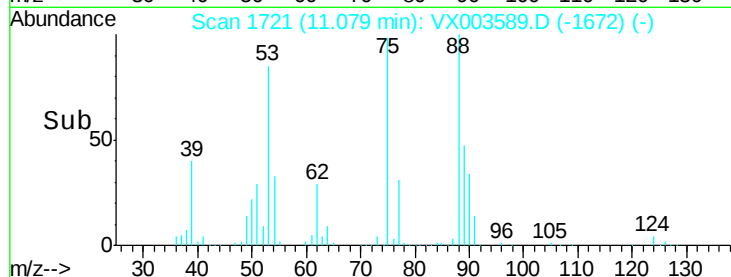
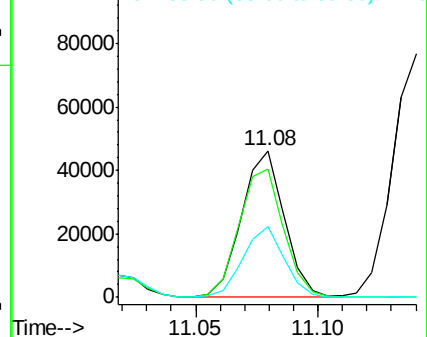
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 48.78 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX003589.D

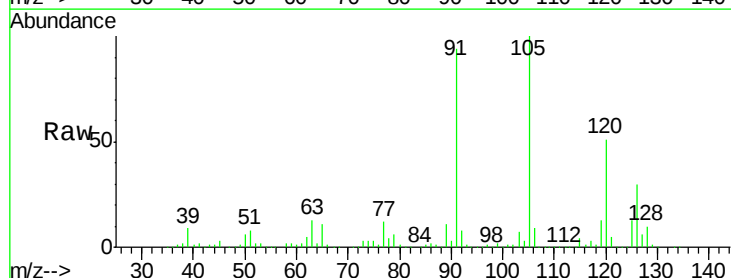
Acq: 22 Jul 2018 07:40

Tgt Ion: 91 Resp: 607941

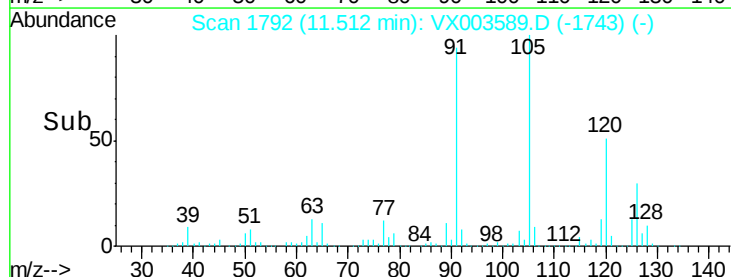
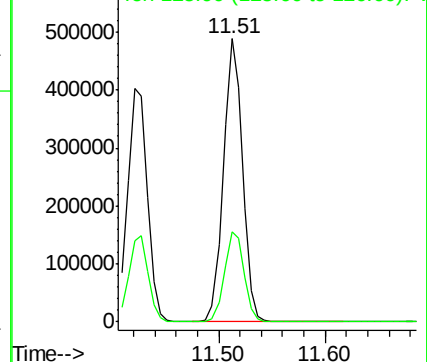
Ion Ratio Lower Upper

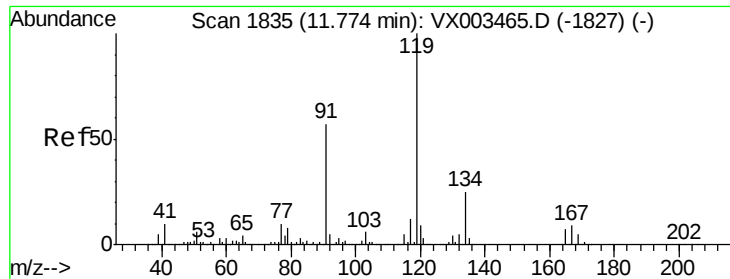
91 100

126 32.8 15.4 46.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





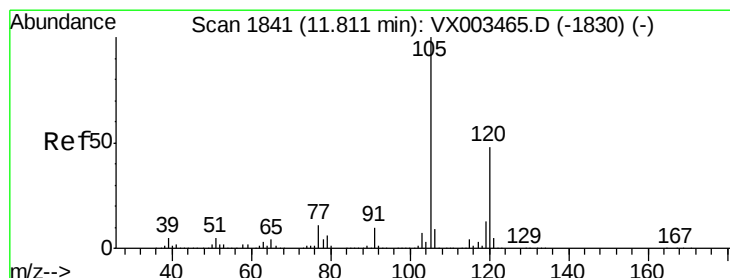
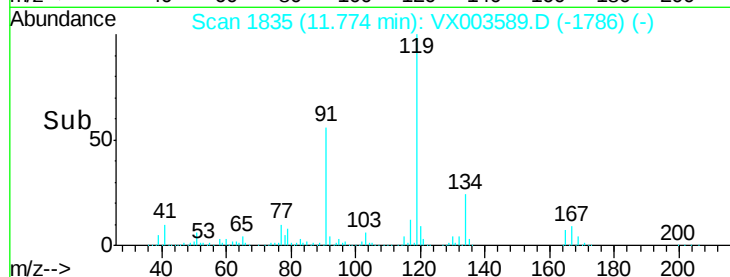
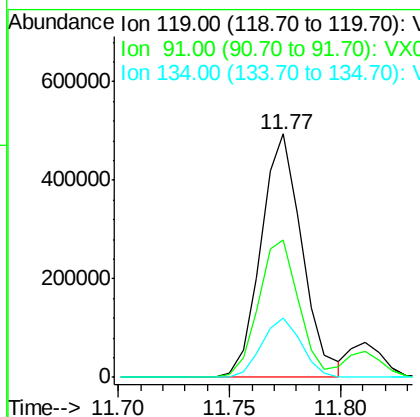
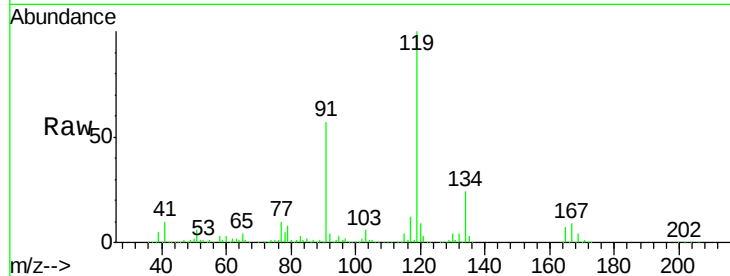
#83
 tert-Butylbenzene
 Concen: 49.79 ug/l
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.5	30.3	90.9
134	23.7	11.7	35.1

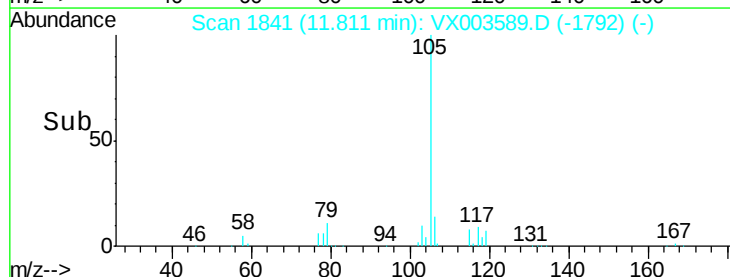
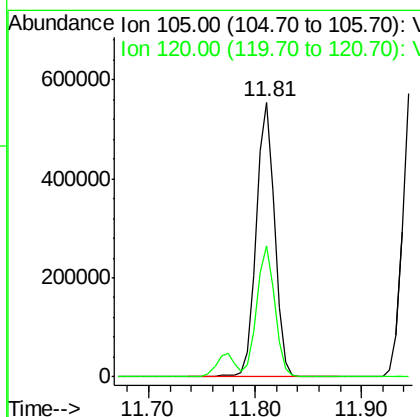
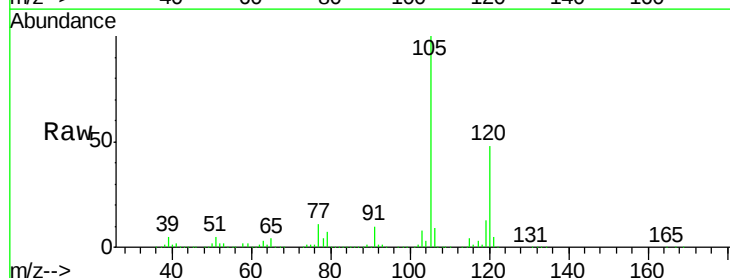
Manual Integrations
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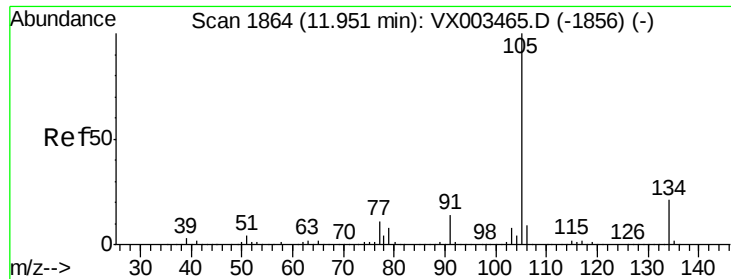
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.11 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.3	66.8





#85

sec-Butylbenzene

Concen: 49.96 ug/l

RT: 11.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

Instrument :

MSVOA_X

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 769797

Ion Ratio Lower Upper

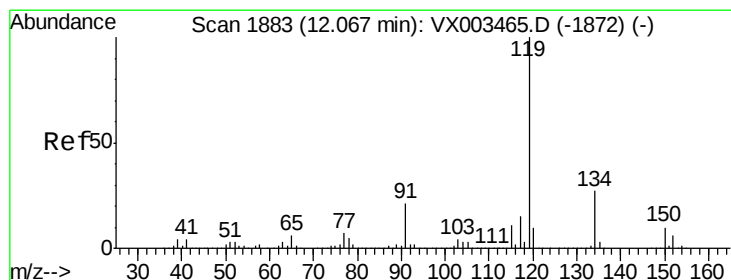
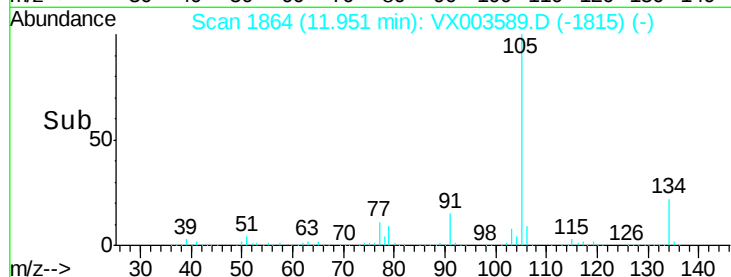
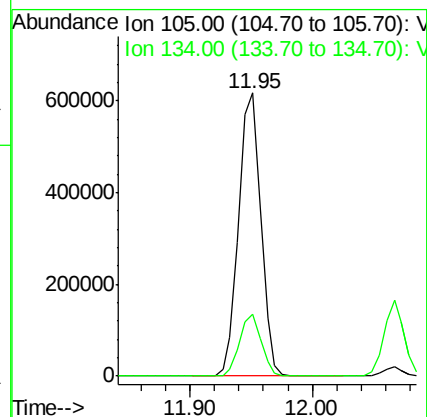
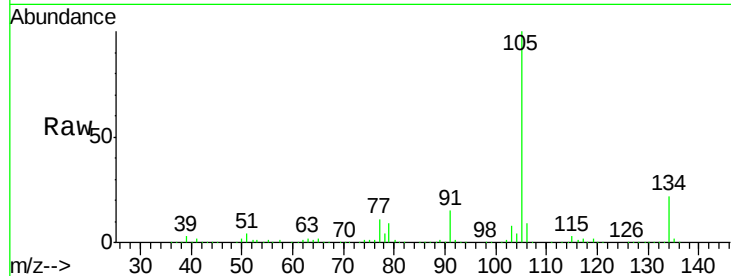
105 100

134 21.2 10.4 31.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 50.64 ug/l

RT: 12.07 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VX003589.D

Acq: 22 Jul 2018 07:40

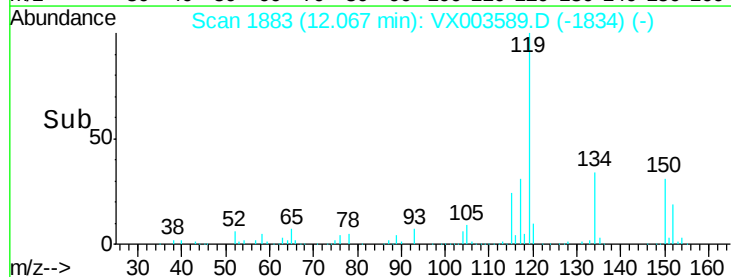
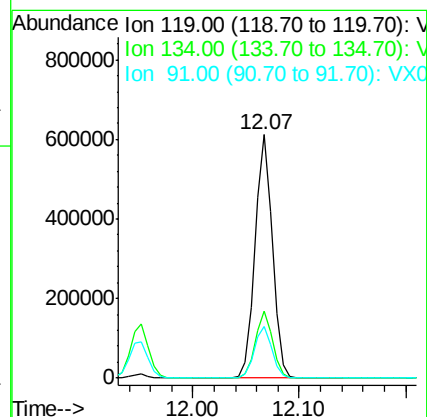
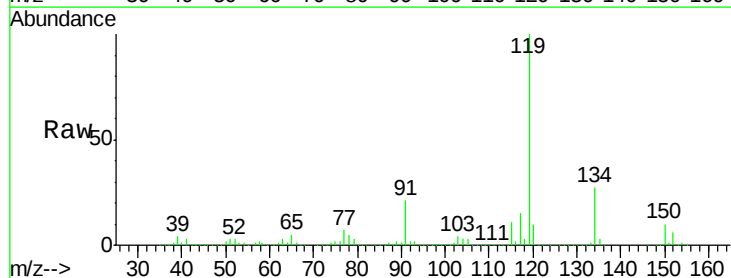
Tgt Ion:119 Resp: 700211

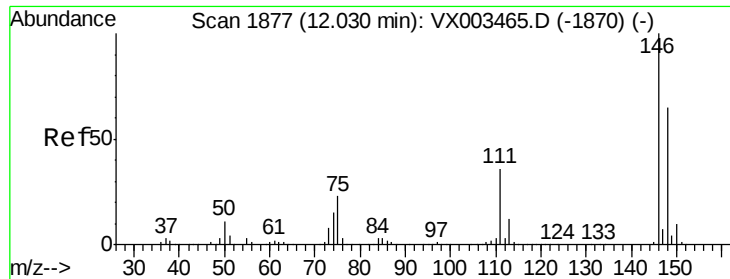
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.4 11.9 35.7





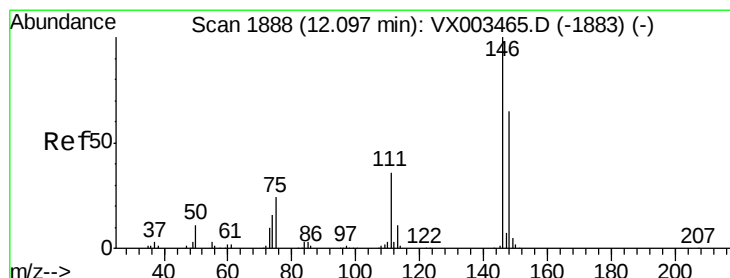
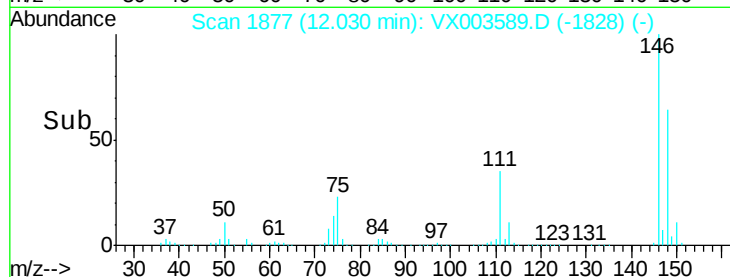
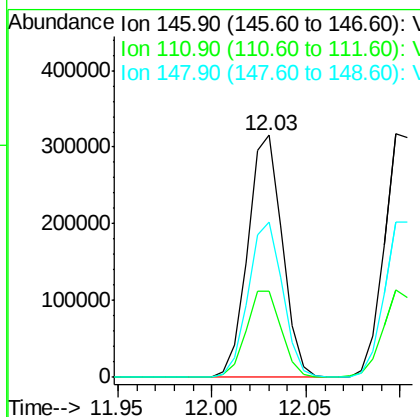
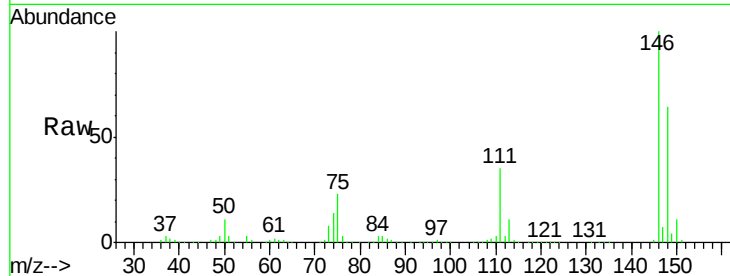
#87
 1,3-Dichlorobenzene
 Concen: 47.95 ug/l
 RT: 12.03 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.7
148	64.0	32.1	96.3

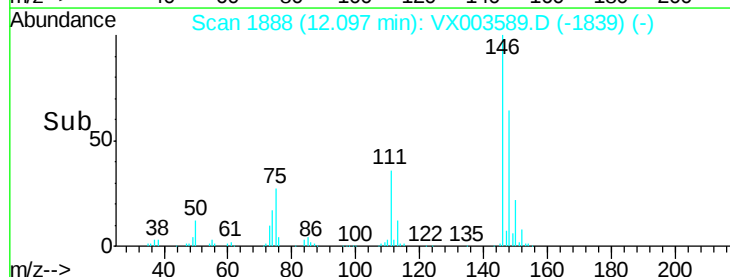
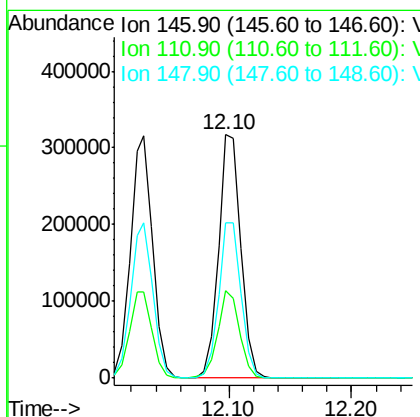
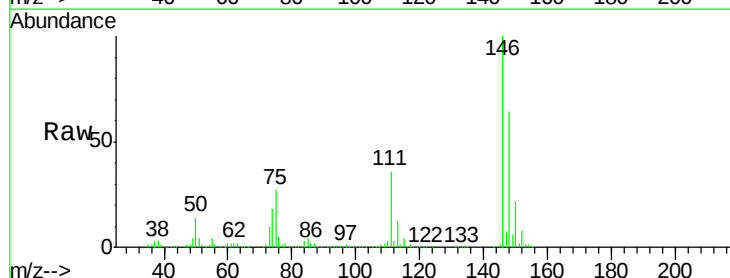
Manual Integrations
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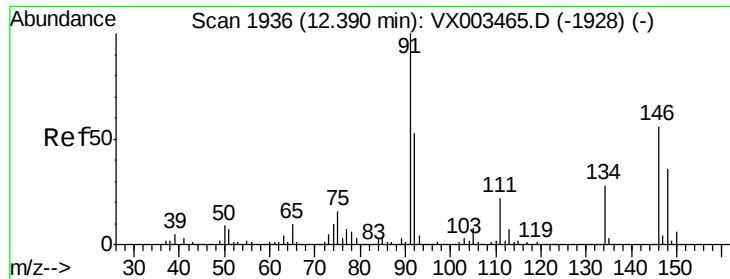
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#88
 1,4-Dichlorobenzene
 Concen: 46.90 ug/l
 RT: 12.10 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	18.7	56.1
148	64.3	32.4	97.0





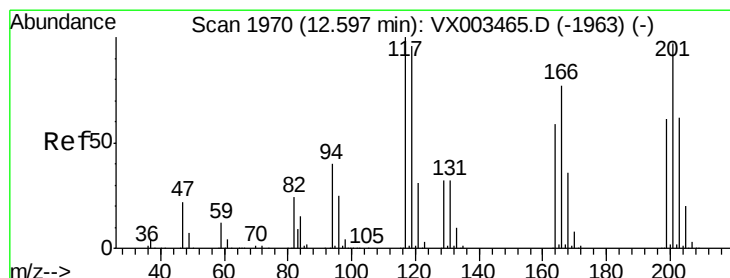
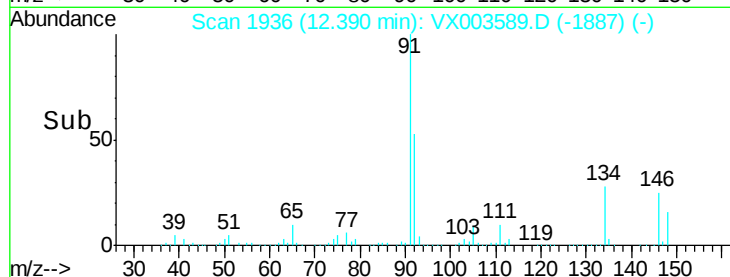
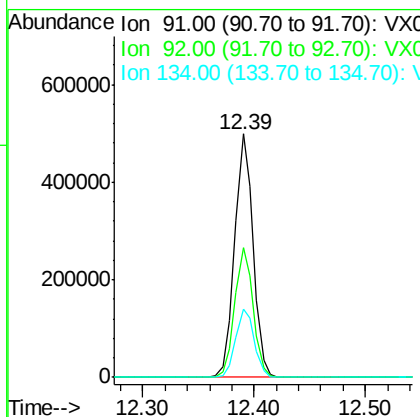
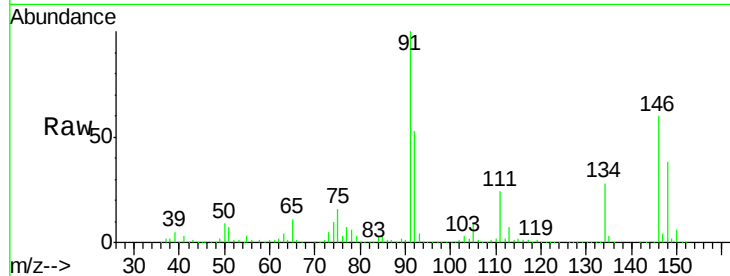
#89
n-Butylbenzene
Concen: 48.47 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.0	78.0
134	28.6	13.5	40.5

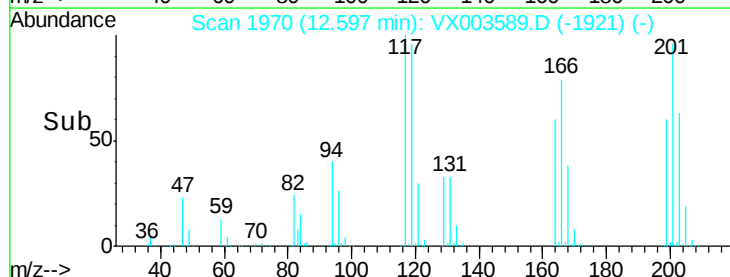
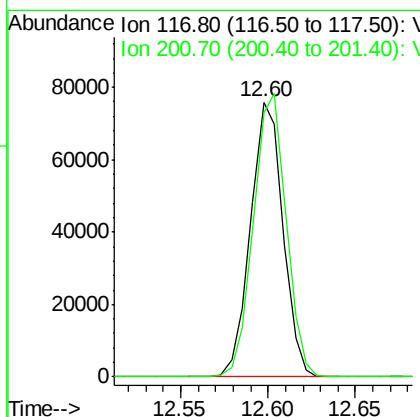
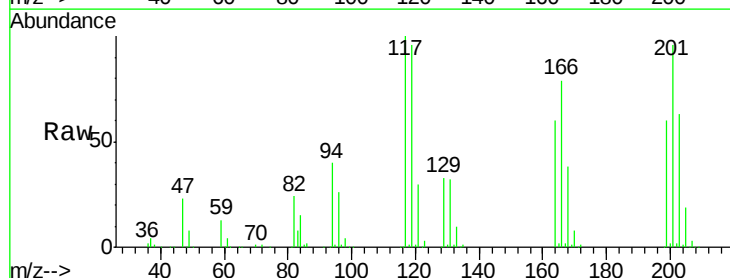
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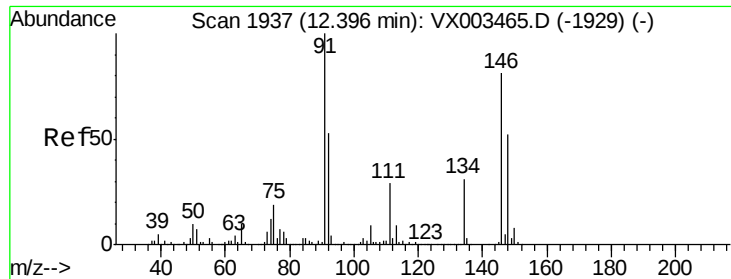
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#90
Hexachloroethane
Concen: 49.74 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	103.8	49.0	147.0





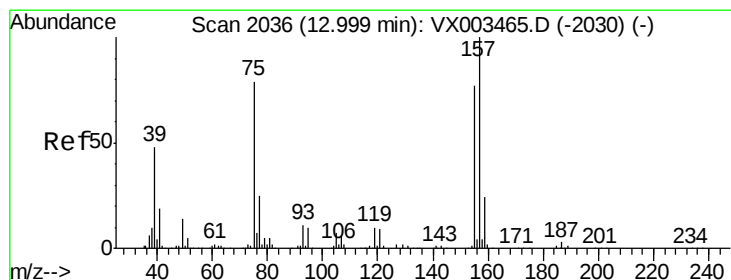
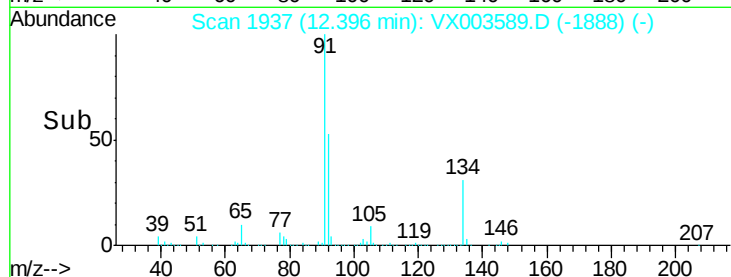
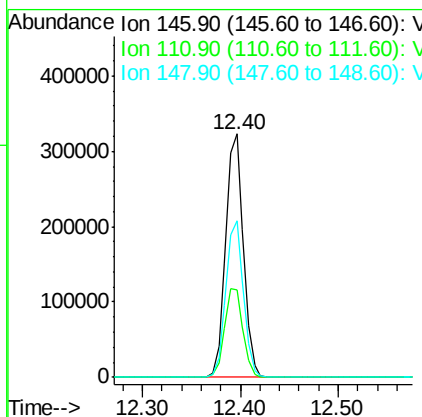
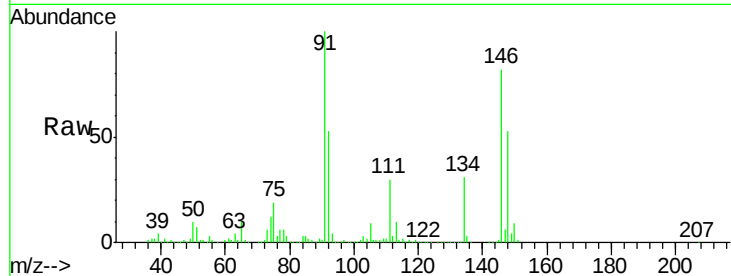
#91
 1,2-Dichlorobenzene
 Concen: 49.25 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.1
148	64.0	31.7	95.1

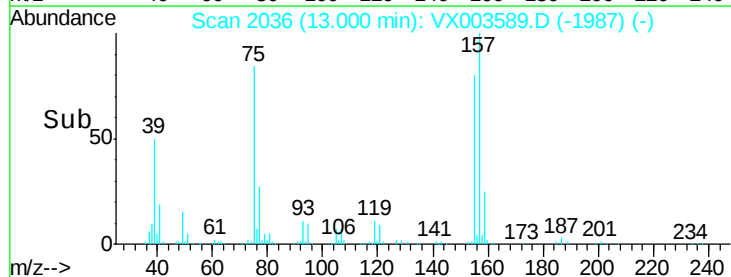
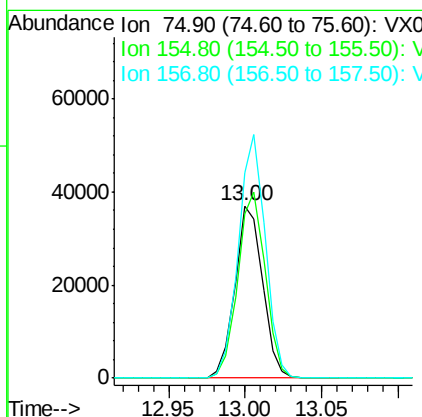
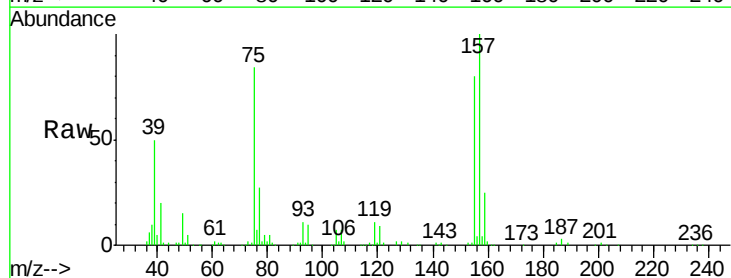
Manual Integrations
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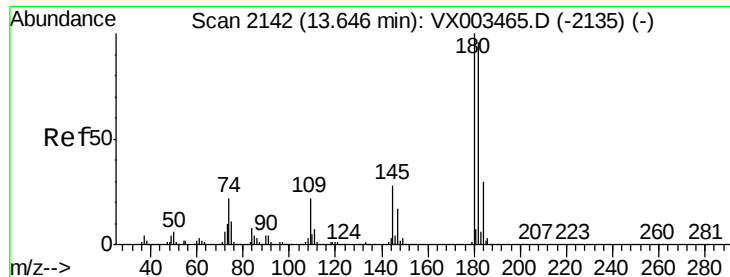
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 7/23/2018 3:20:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.74 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	107.2	45.8	137.4
157	136.9	60.1	180.3





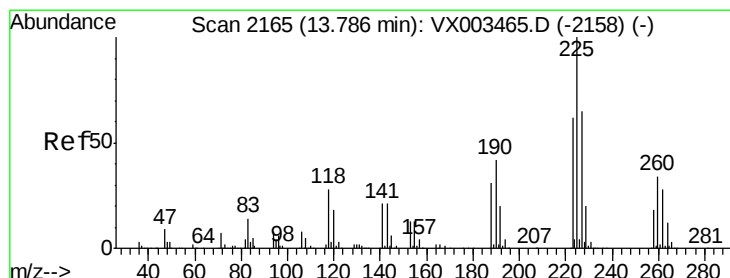
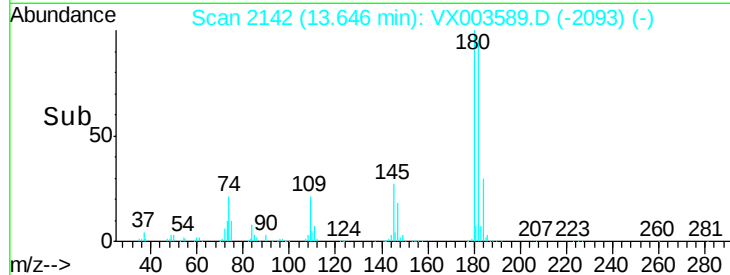
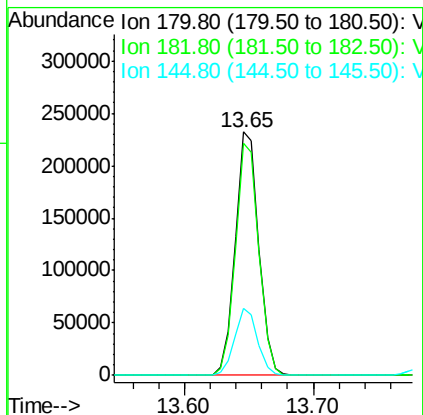
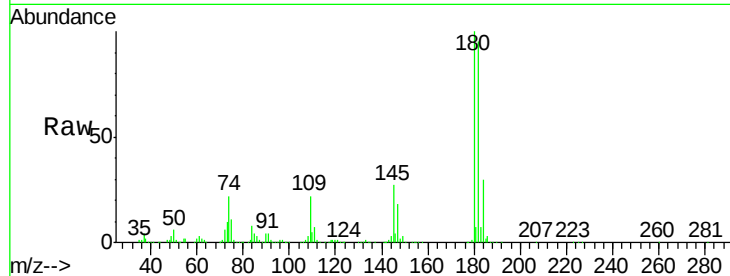
#93
 1,2,4-Trichlorobenzene
 Concen: 48.73 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	293323		
182	95.1	47.7	143.1	
145	27.1	14.1	42.4	

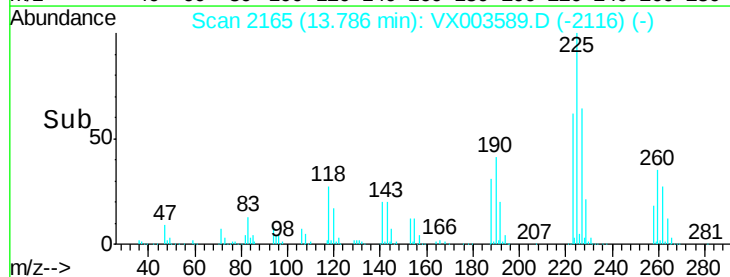
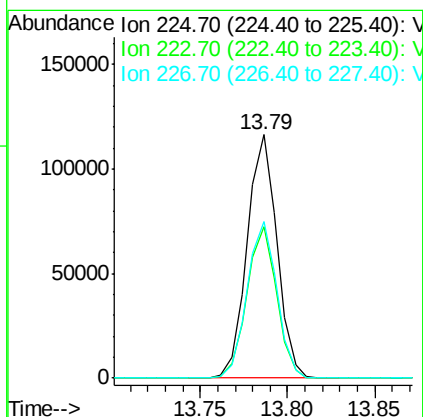
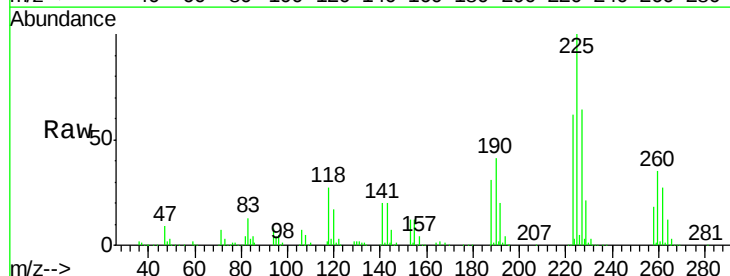
Manual Integrations
 APPROVED

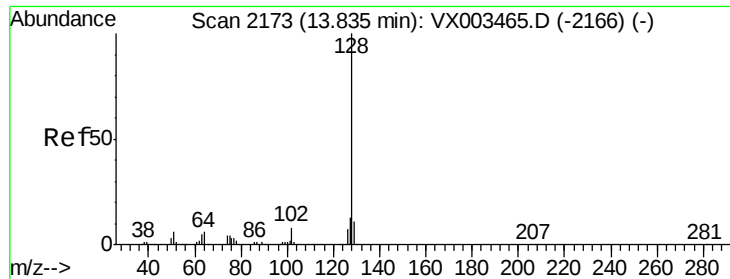
MMDadoda
 7/23/2018 3:20:15 PM



#94
 Hexachlorobutadiene
 Concen: 47.44 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003589.D
 Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	137333		
223	62.1	31.6	95.0	
227	64.5	32.4	97.2	





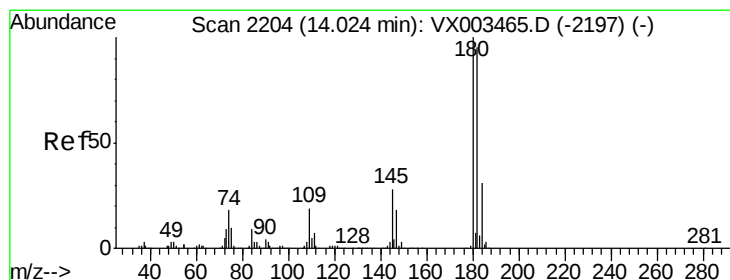
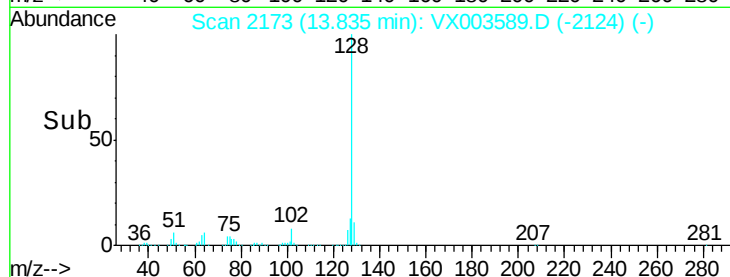
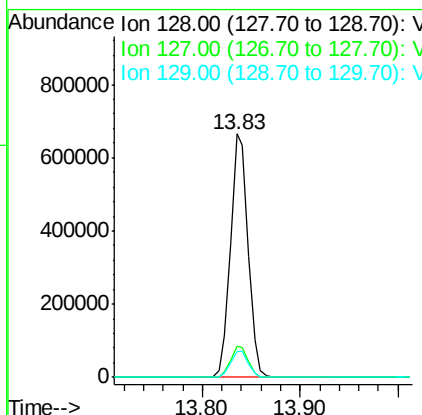
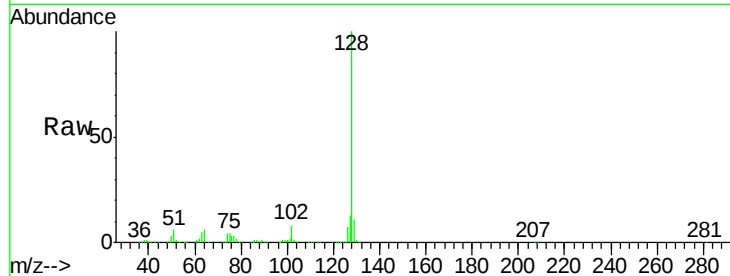
#95
Naphthalene
Concen: 52.21 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

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 3:20:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.01 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003589.D
Acq: 22 Jul 2018 07:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.0	144.0
145	28.7	14.8	44.3

