

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112618\
 Data File : VX006188.D
 Acq On : 26 Nov 2018 20:58
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/27/2018 11:43:36 AM

Quant Time: Nov 27 03:55:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 08:15:54 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397461	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	378716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	214788	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	164164	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	5.50	113	131554	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
50) Toluene-d8	8.71	98	500323	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.14	95	187379	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	101366	49.986	ug/l	100
3) Chloromethane	1.32	50	122090	47.659	ug/l	98
4) Vinyl Chloride	1.41	62	128092	49.158	ug/l	97
5) Bromomethane	1.64	94	91155	45.820	ug/l	99
6) Chloroethane	1.71	64	72442	59.047	ug/l	99
7) Trichlorofluoromethane	1.93	101	173073	50.773	ug/l	99
8) Diethyl Ether	2.19	74	70081	48.636	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	99836	49.392	ug/l	99
10) Methyl Iodide	2.51	142	116509	45.975	ug/l	100
11) Tert butyl alcohol	3.07	59	175094	260.295	ug/l	99
12) 1,1-Dichloroethene	2.37	96	94219	47.815	ug/l	96
13) Acrolein	2.29	56	88239	219.216	ug/l	99
14) Allyl chloride	2.73	41	196686	48.788	ug/l	99
15) Acrylonitrile	3.15	53	364911	245.603	ug/l	99
16) Acetone	2.45	43	345665	246.342	ug/l	99
17) Carbon Disulfide	2.57	76	272738	51.261	ug/l	99
18) Methyl Acetate	2.78	43	202519	56.281	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	343398	50.418	ug/l	99
20) Methylene Chloride	2.85	84	109655	51.642	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	101945	49.448	ug/l	92
22) Diisopropyl ether	3.87	45	458701	53.151	ug/l	91
23) Vinyl Acetate	3.82	43	1990684	278.036	ug/l	100
24) 1,1-Dichloroethane	3.70	63	204331	50.256	ug/l	99
25) 2-Butanone	4.70	43	666133	255.761	ug/l	100
26) 2,2-Dichloropropane	4.58	77	160386	47.862	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	142700	49.522	ug/l	100
28) Bromochloromethane	5.02	49	124229	52.425	ug/l	100
29) Tetrahydrofuran	5.15	42	430876	265.198	ug/l	100
30) Chloroform	5.21	83	246465	50.023	ug/l	99
31) Cyclohexane	5.57	56	209410	49.309	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	211155	53.076	ug/l	100
36) 1,1-Dichloropropene	5.80	75	179711	49.700	ug/l	99
37) Ethyl Acetate	4.85	43	240462	51.689	ug/l	99
38) Carbon Tetrachloride	5.78	117	186819	54.968	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	212250	51.524	ug/l	98
40) Benzene	6.14	78	542553	50.929	ug/l	100
41) Methacrylonitrile	5.06	41	133385	52.028	ug/l	98
42) 1,2-Dichloroethane	6.20	62	201796	50.667	ug/l	99
43) Isopropyl Acetate	6.46	43	358473	53.357	ug/l	99
44) Trichloroethene	7.21	130	145718	49.215	ug/l	98
45) 1,2-Dichloropropane	7.51	63	145856	51.734	ug/l	99
46) Dibromomethane	7.66	93	97188	50.336	ug/l	99
47) Bromodichloromethane	7.90	83	189493	53.065	ug/l	98
48) Methyl methacrylate	7.77	41	192580	56.520	ug/l	99
49) 1,4-Dioxane	7.75	88	85080	1052.480	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	1315909	273.214	ug/l	100
52) Toluene	8.79	92	346628	52.605	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	201530	54.081	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	217759	52.861	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	145559	51.007	ug/l	98
56) Ethyl methacrylate	9.18	69	224060	50.396	ug/l	99
57) 1,3-Dichloropropane	9.37	76	242089	51.467	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	631135	254.356	ug/l	99
59) 2-Hexanone	9.49	43	1047345	274.005	ug/l	99
60) Dibromochloromethane	9.59	129	156381	55.894	ug/l	98
61) 1,2-Dibromoethane	9.67	107	153343	52.158	ug/l	100
64) Tetrachloroethene	9.34	164	149765	48.054	ug/l	97
65) Chlorobenzene	10.14	112	397391	51.156	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	144170	54.058	ug/l	99
67) Ethyl Benzene	10.25	91	677497	53.265	ug/l	100
68) m/p-Xylenes	10.36	106	531549	107.321	ug/l	99
69) o-Xylene	10.70	106	251993	53.264	ug/l	99
70) Styrene	10.71	104	422194	54.731	ug/l	99
71) Bromoform	10.86	173	129165	54.106	ug/l	99
73) Isopropylbenzene	11.02	105	693606	53.371	ug/l	99
74) N-amyl acetate	10.90	43	335896	50.675	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	245084	50.042	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	234576m	53.047	ug/l	
77) Bromobenzene	11.26	156	182780	50.206	ug/l	100
78) n-propylbenzene	11.36	91	806101	53.262	ug/l	100
79) 2-Chlorotoluene	11.42	91	477707	52.173	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	588101	53.673	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	71444	54.645	ug/l	95
82) 4-Chlorotoluene	11.51	91	564123	52.794	ug/l	100
83) tert-Butylbenzene	11.77	119	578204	54.054	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	605643	54.188	ug/l	100
85) sec-Butylbenzene	11.94	105	705920	53.953	ug/l	100
86) p-Isopropyltoluene	12.07	119	632759	54.242	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	337492	50.278	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	347073	49.876	ug/l	99
89) n-Butylbenzene	12.39	91	557948	52.827	ug/l	99
90) Hexachloroethane	12.60	117	102374	54.994	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	335938	48.951	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	60507	53.242	ug/l	97

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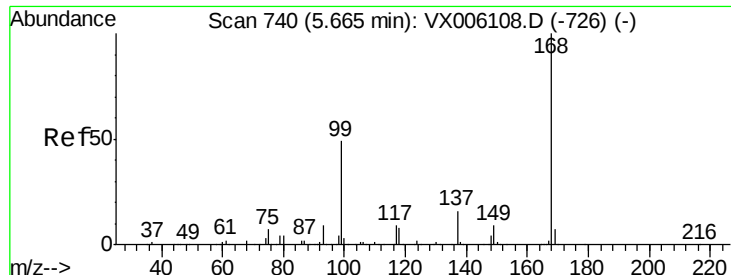
Manual Integrations
APPROVED

MMDadoda
11/27/2018 11:43:36 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	248696	51.442	ug/l	99
94) Hexachlorobutadiene	13.79	225	115896	49.188	ug/l	99
95) Naphthalene	13.83	128	784351	55.174	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	254596	51.656	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 272893

Ion Ratio Lower Upper

168 100

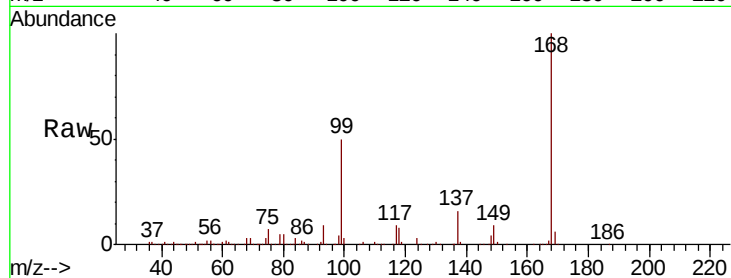
99 49.7 39.2 58.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

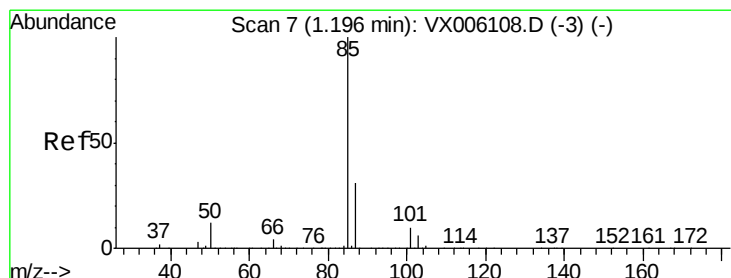
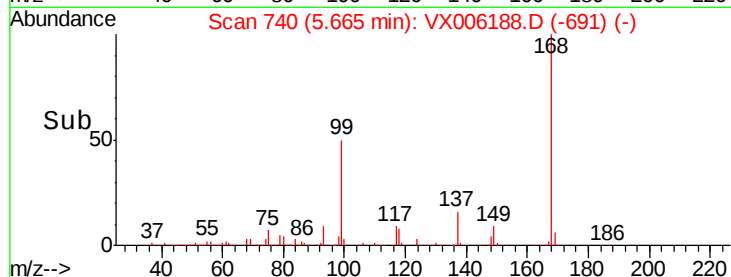
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 49.986 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX006188.D

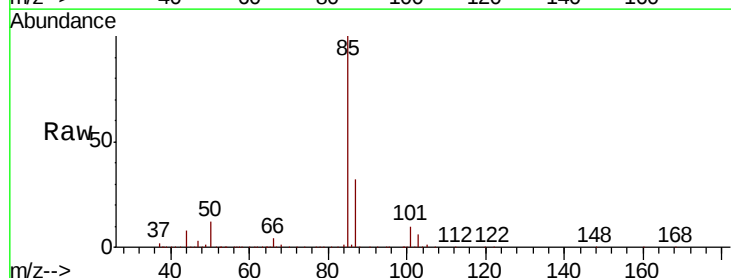
Acq: 26 Nov 2018 20:58

Tgt Ion: 85 Resp: 101366

Ion Ratio Lower Upper

85 100

87 31.6 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120000

100000

80000

60000

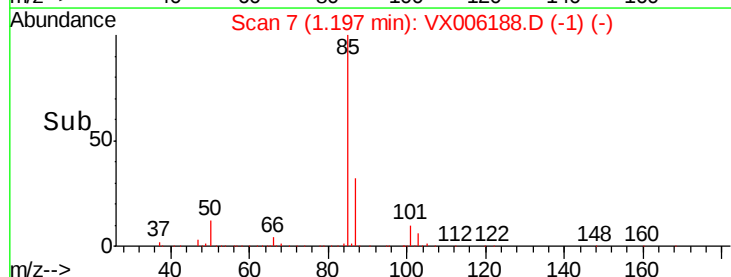
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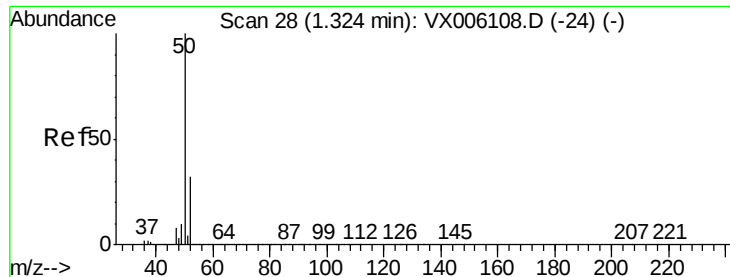
20000

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Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 47.659 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 122090

Ion Ratio Lower Upper

50 100

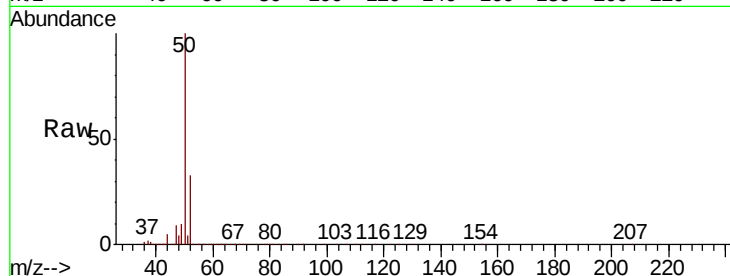
52 32.9 25.6 38.4

Manual Integrations

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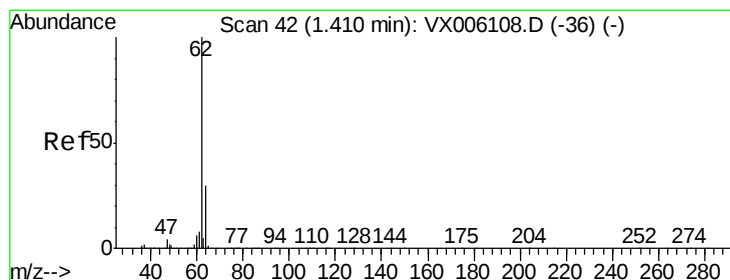
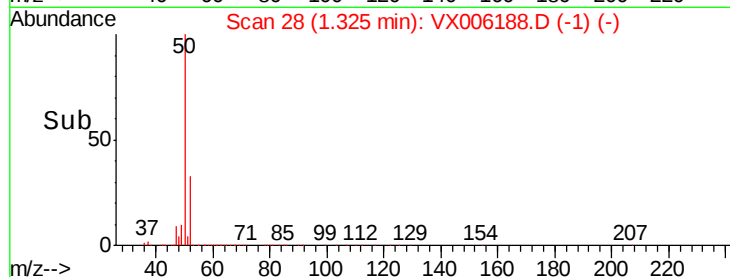
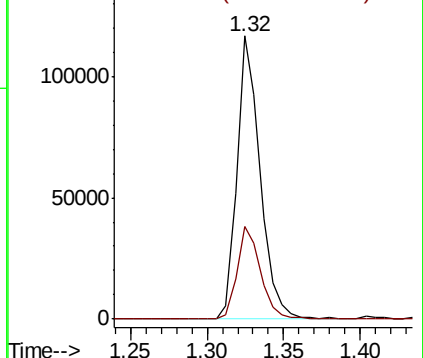
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 49.158 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX006188.D

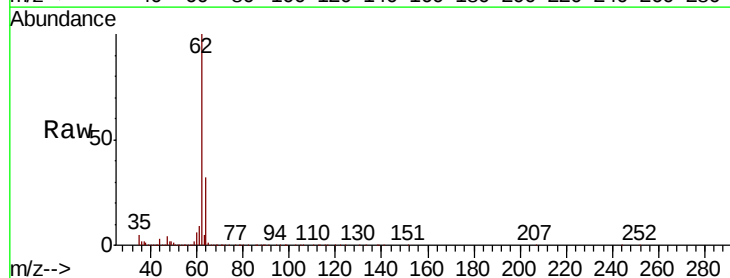
Acq: 26 Nov 2018 20:58

Tgt Ion: 62 Resp: 128092

Ion Ratio Lower Upper

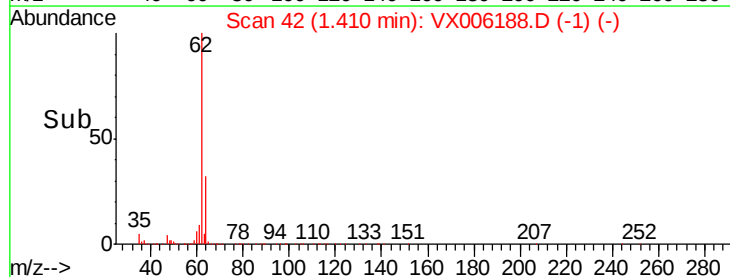
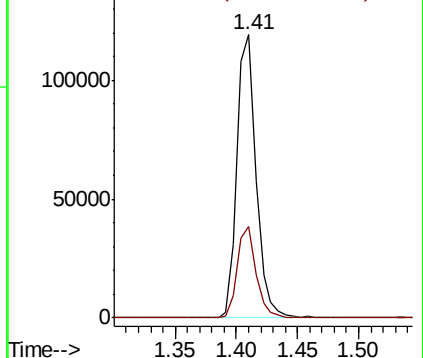
62 100

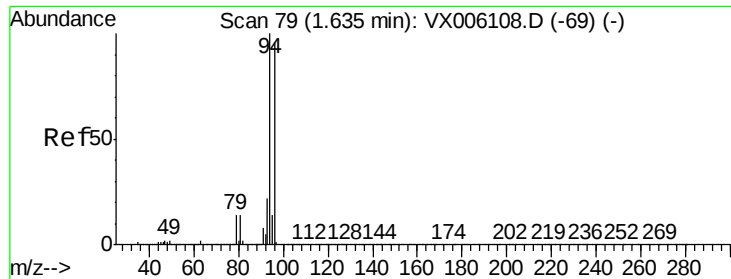
64 32.0 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 45.820 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 91155

Ion Ratio Lower Upper

94 100

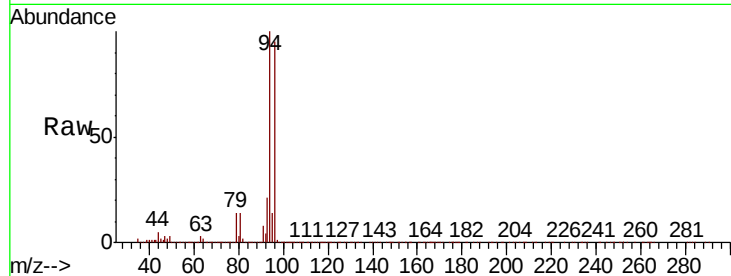
96 95.1 76.7 115.1

Manual Integrations

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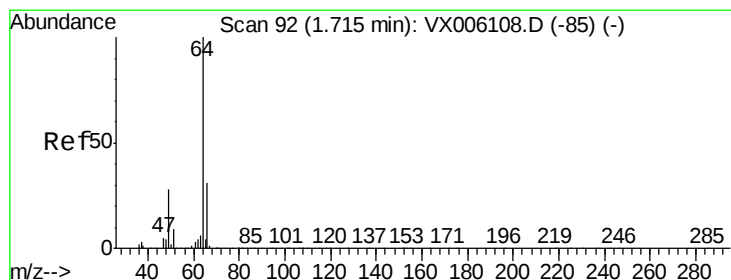
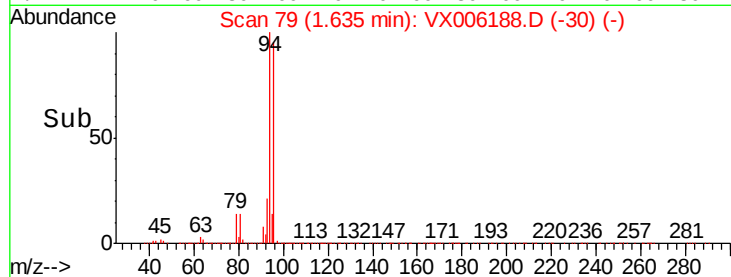
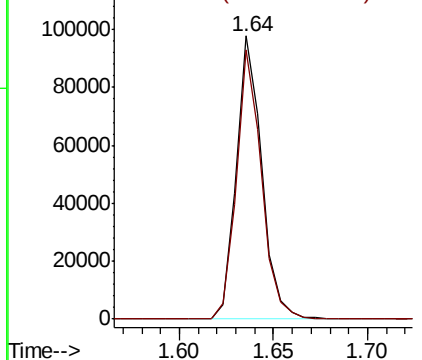
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 59.047 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX006188.D

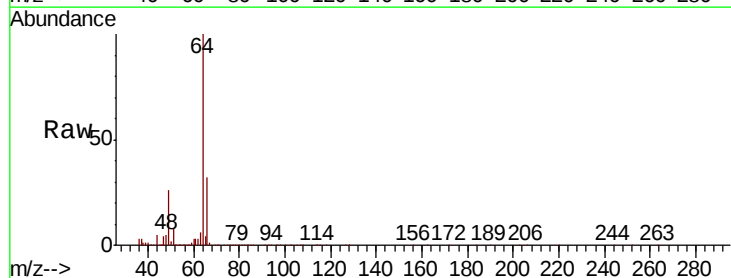
Acq: 26 Nov 2018 20:58

Tgt Ion: 64 Resp: 72442

Ion Ratio Lower Upper

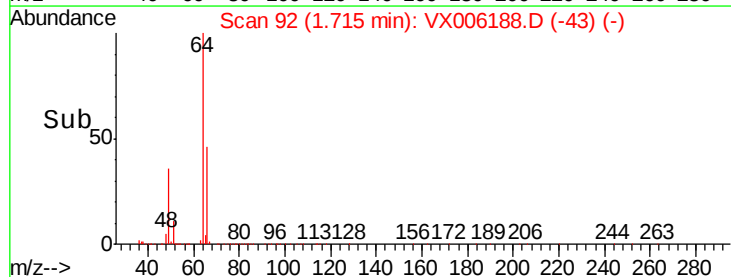
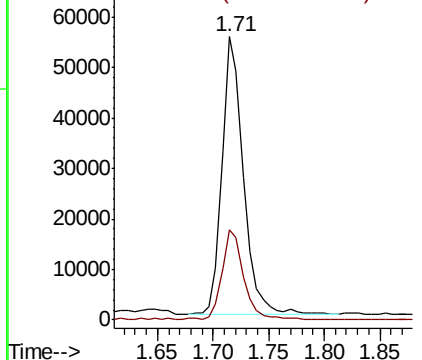
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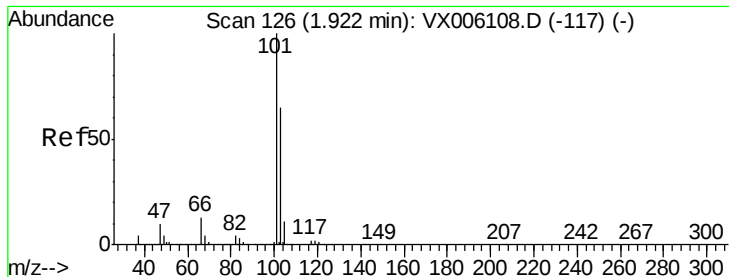
66 32.0 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

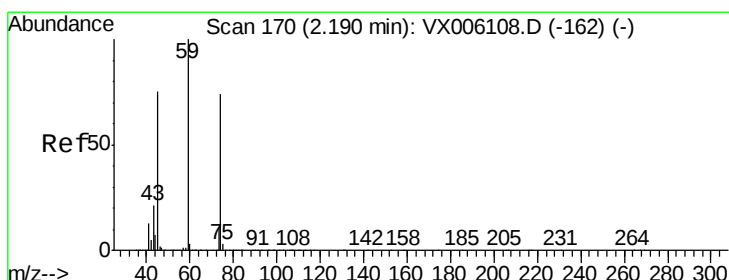
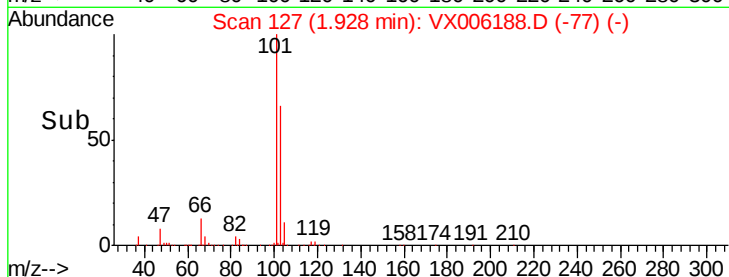
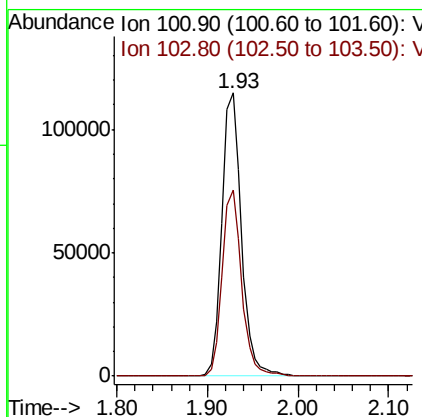
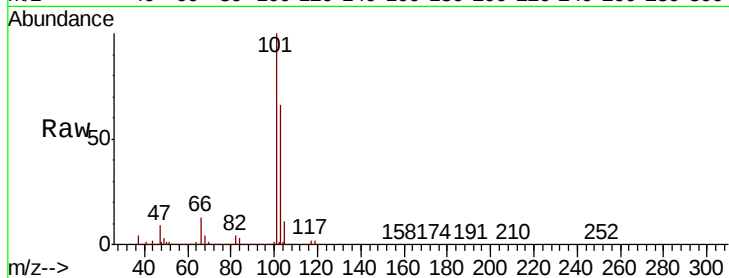
Trichlorofluoromethane
Concen: 50.773 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.1	78.1

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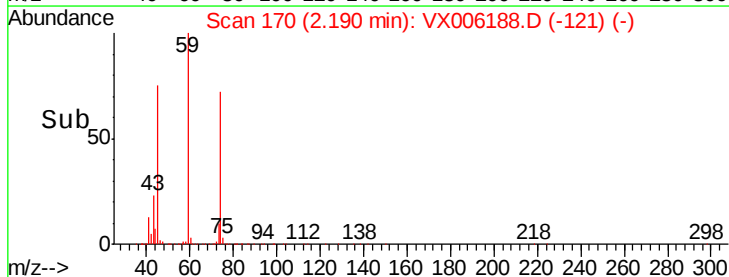
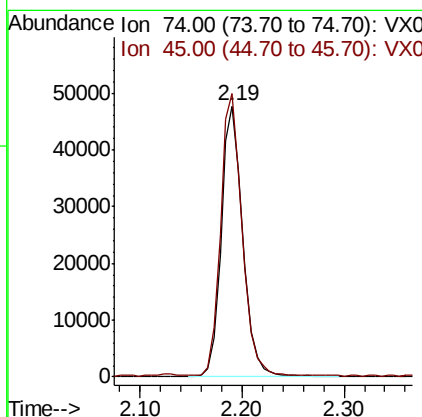
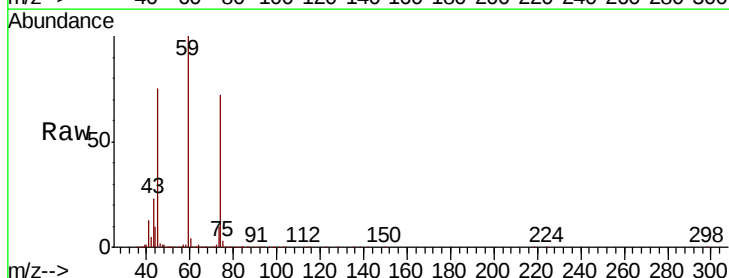
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11/27/2018 11:43:36 AM

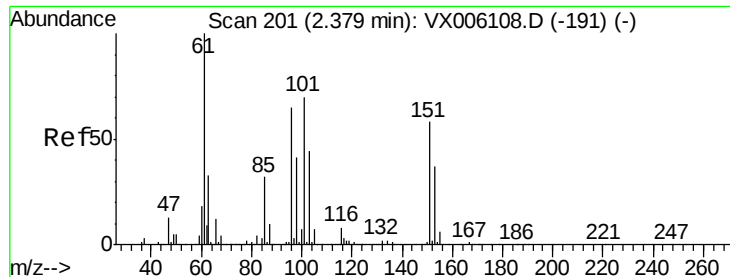


#8

Diethyl Ether
Concen: 48.636 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	52.2	156.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.392 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

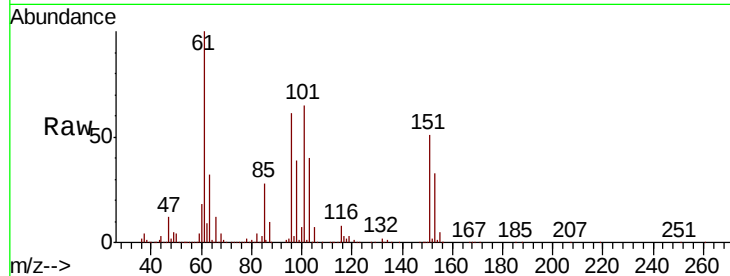
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VSTDCCC050EC

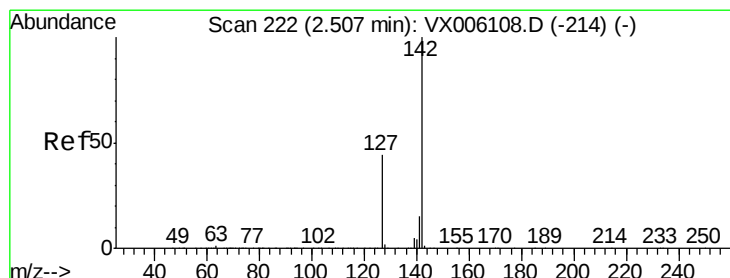
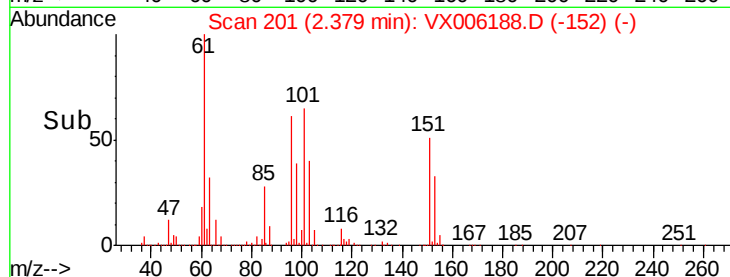
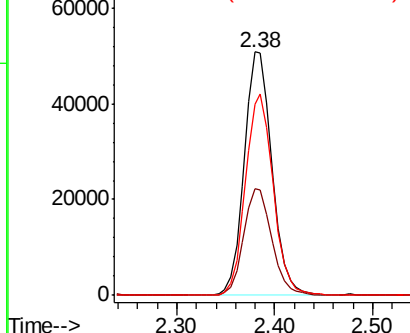
Tot Ion:	101	Resp:	99836
Ion Ratio	Lower	Upper	
101	100		
85	44.6	36.0	54.0
151	82.8	65.8	98.6

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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: 45.975 ug/l

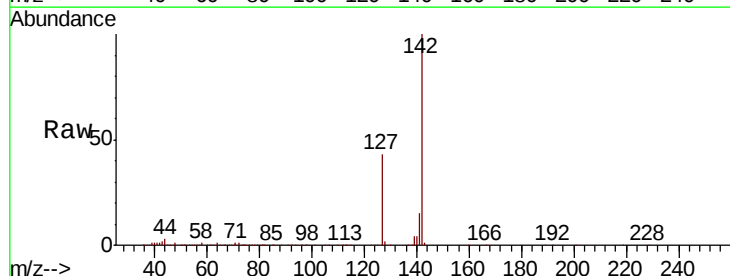
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

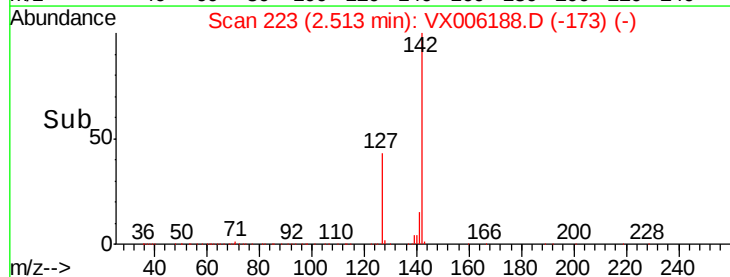
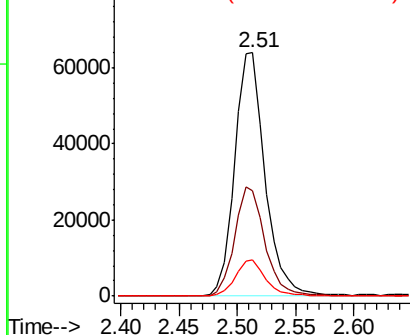
Lab File: VX006188.D

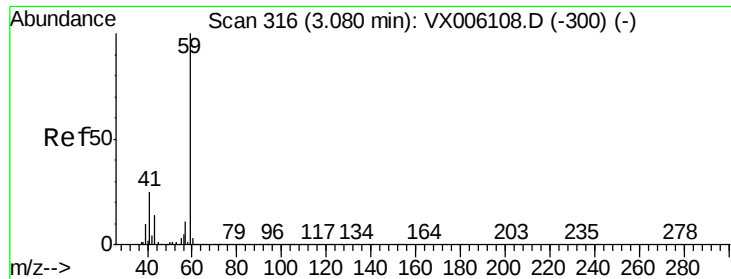
Acq: 26 Nov 2018 20:58

Tgt Ion:	142	Resp:	116509
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.0	54.0
141	14.8	11.7	17.5



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

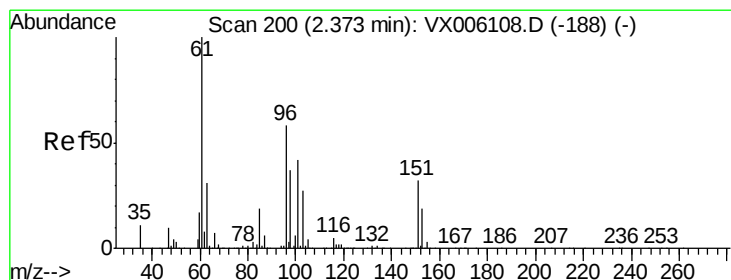
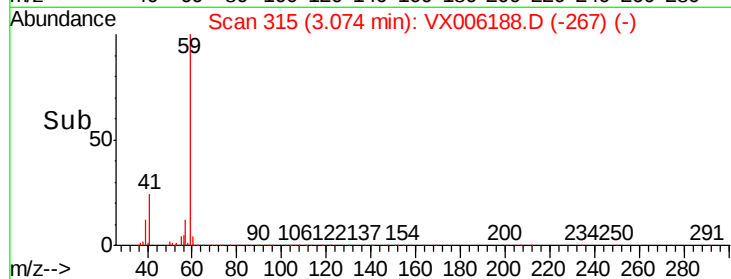
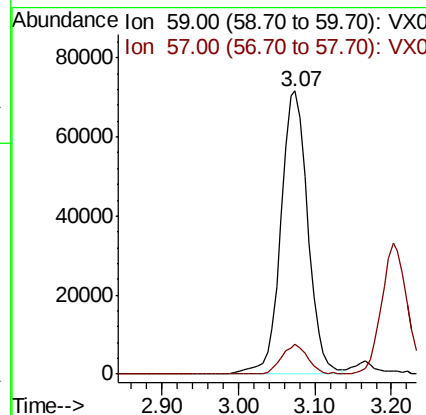
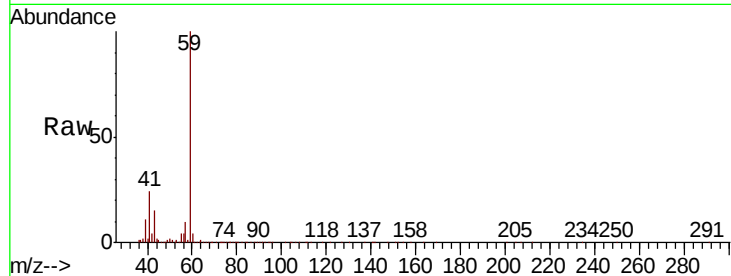
Tert butyl alcohol
Concen: 260.295 ug/l
RT: 3.07 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1

Manual Integrations
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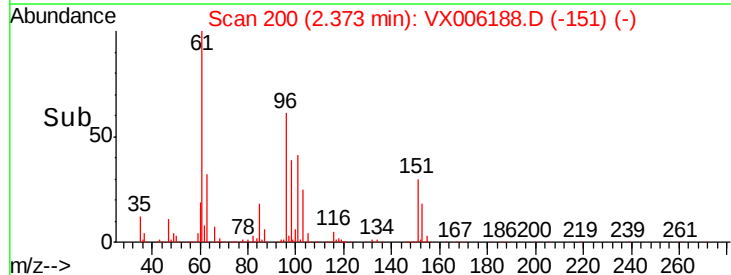
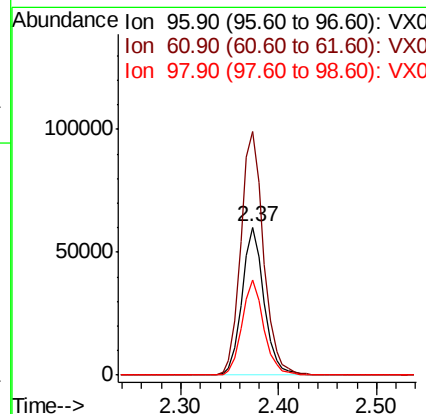
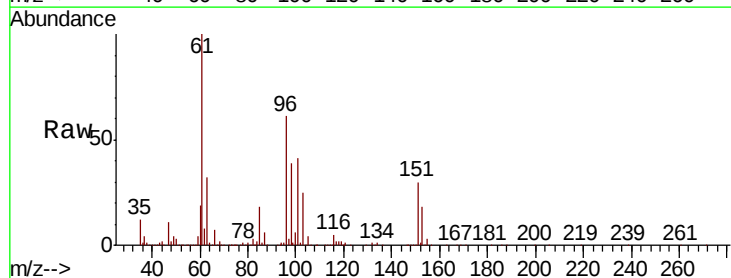
MMDadoda
11/27/2018 11:43:36 AM

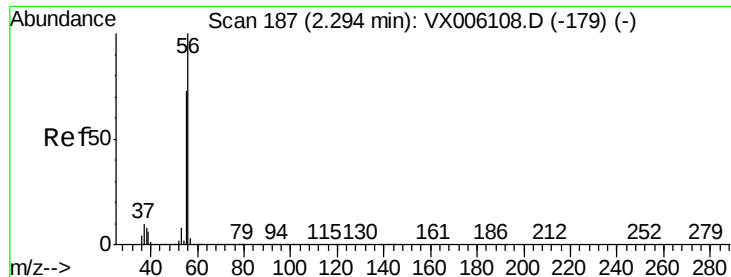


#12

1,1-Dichloroethene
Concen: 47.815 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.6	138.2	207.4
98	64.1	51.3	76.9





#13

Acrolein

Concen: 219.216 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 88239

Ion Ratio Lower Upper

56 100

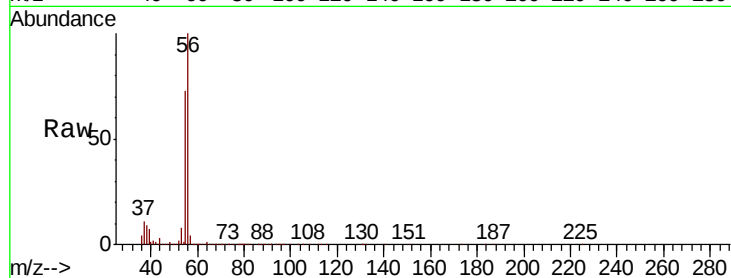
55 72.8 57.8 86.6

Manual Integrations

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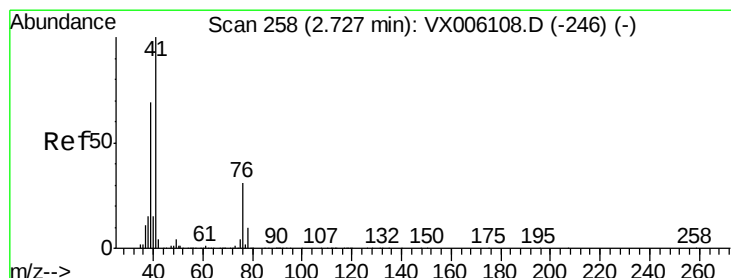
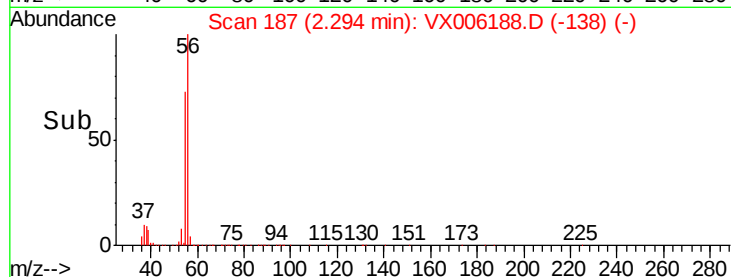
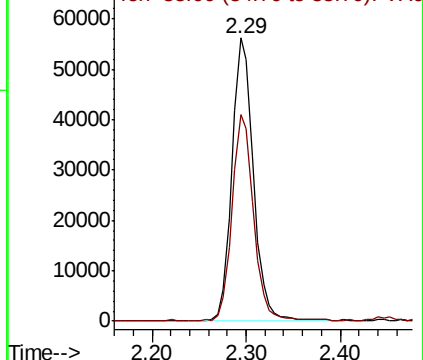
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 48.788 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

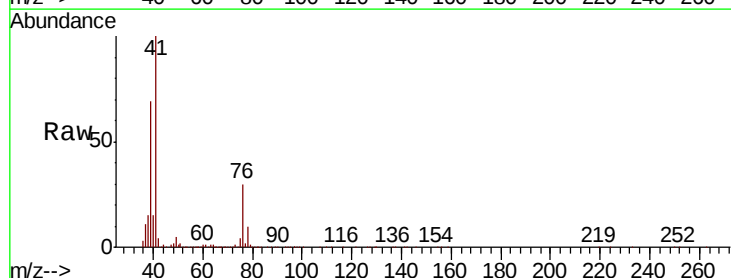
Tgt Ion: 41 Resp: 196686

Ion Ratio Lower Upper

41 100

39 65.1 52.5 78.7

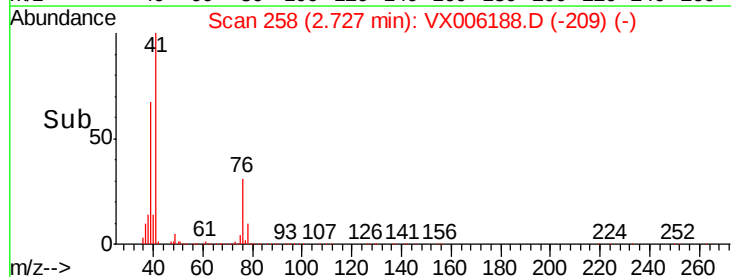
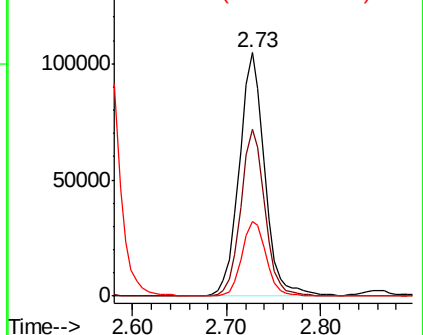
76 29.6 23.4 35.2

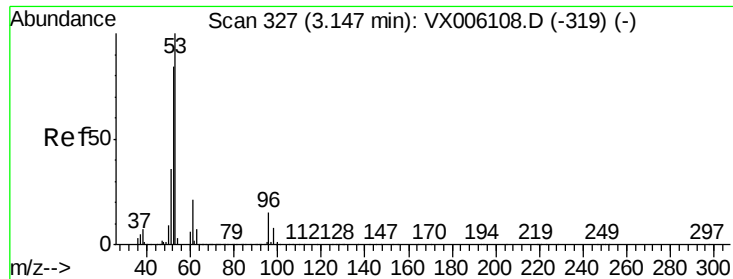


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 245.603 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

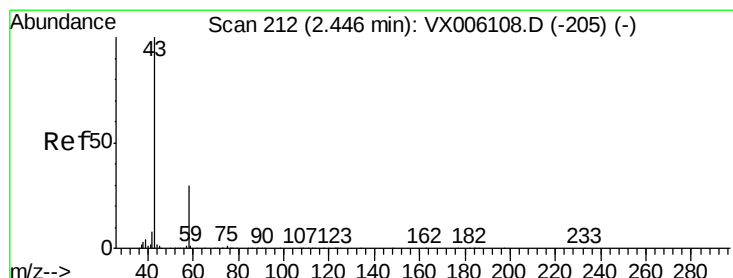
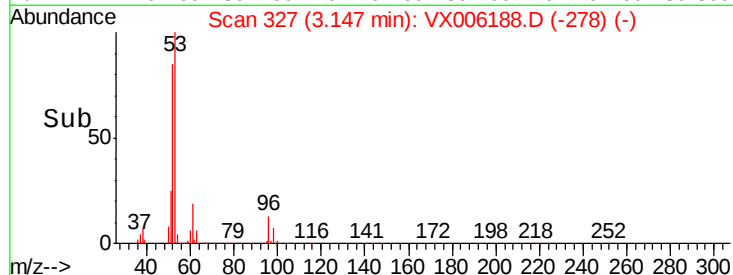
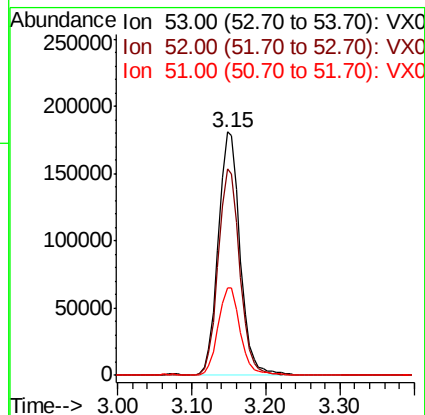
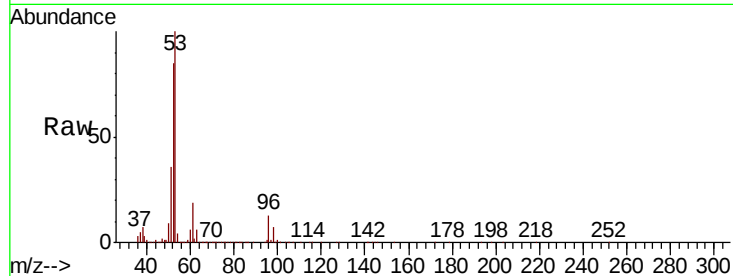
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	364911
Ion Ratio	Lower	Upper	
53	100		
52	84.1	66.4	99.6
51	36.7	29.4	44.0

Manual Integrations
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#16

Acetone

Concen: 246.342 ug/l

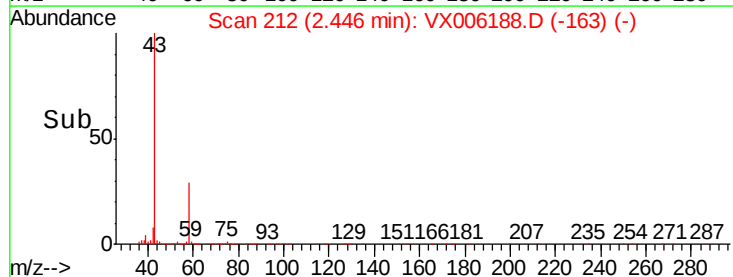
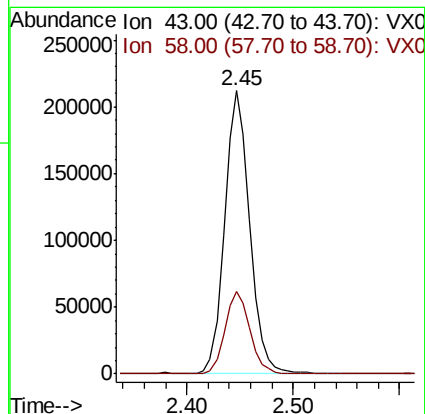
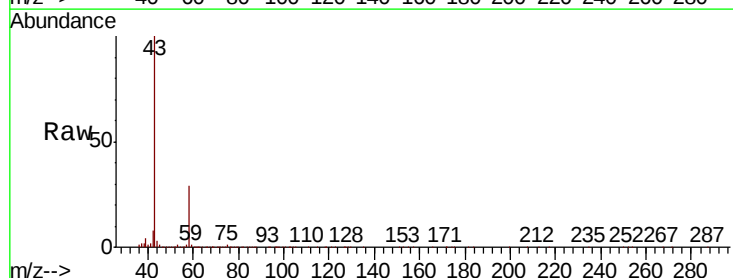
RT: 2.45 min Scan# 212

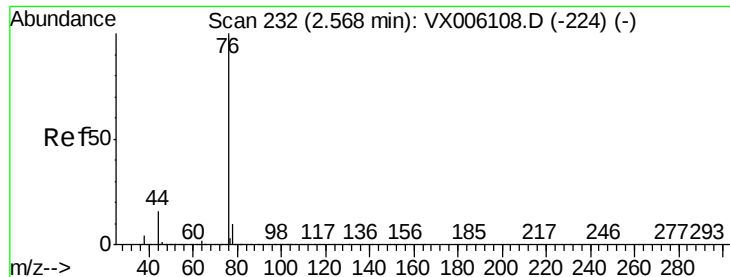
Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tgt Ion:	43	Resp:	345665
Ion Ratio	Lower	Upper	
43	100		
58	29.2	23.8	35.8





#17

Carbon Disulfide

Concen: 51.261 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 272738

Ion Ratio Lower Upper

76 100

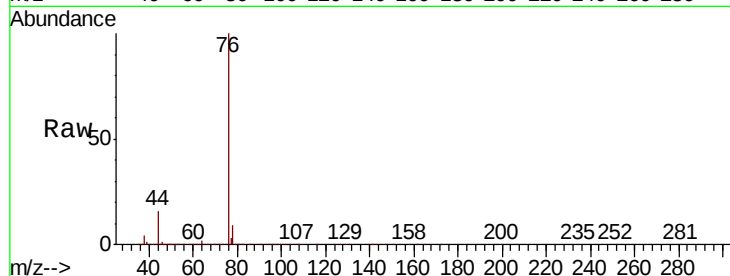
78 9.2 7.7 11.5

Manual Integrations

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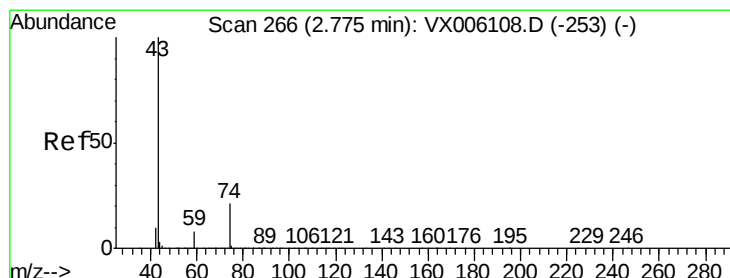
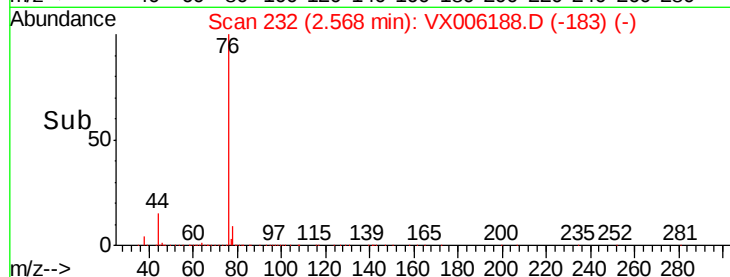
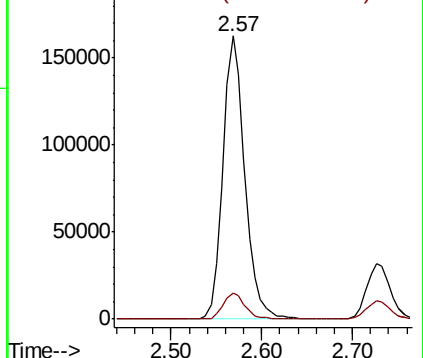
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 56.281 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX006188.D

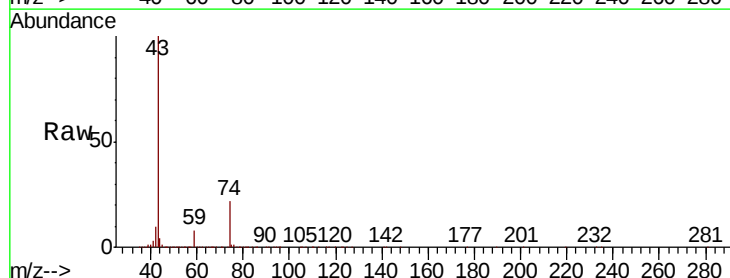
Acq: 26 Nov 2018 20:58

Tgt Ion: 43 Resp: 202519

Ion Ratio Lower Upper

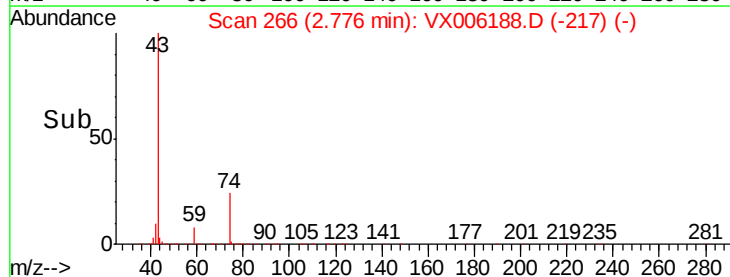
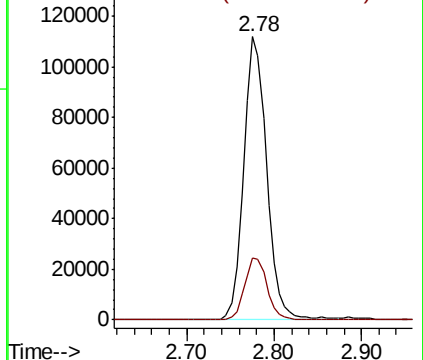
43 100

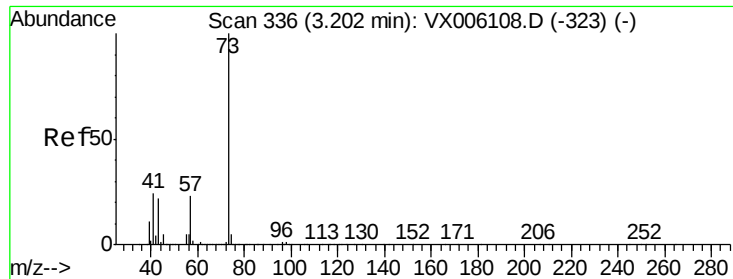
74 21.7 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





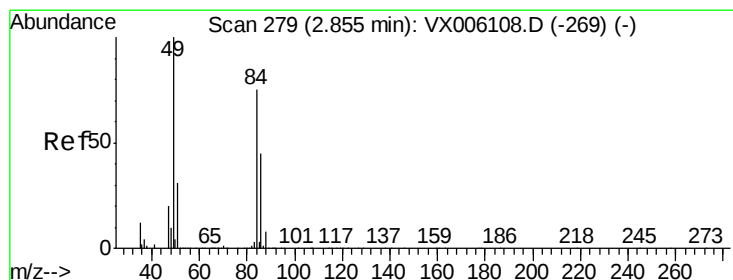
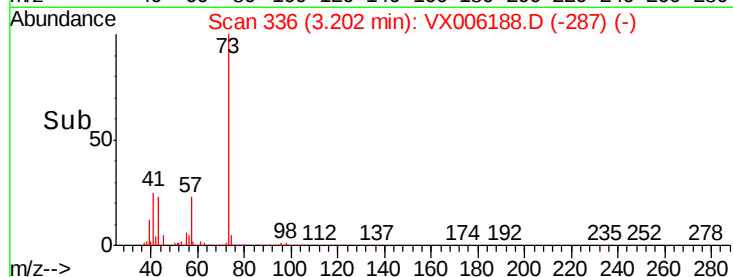
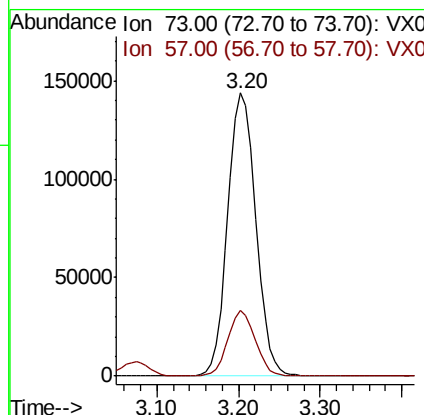
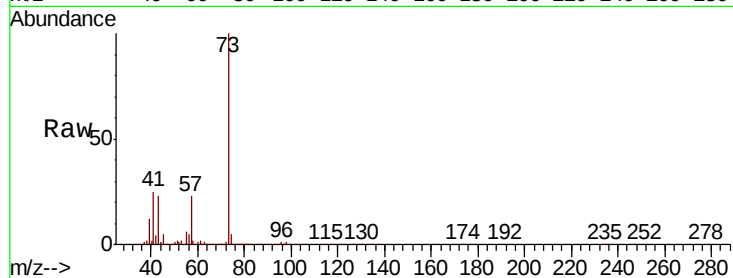
#19
Methvl tert-butvl Ether
Concen: 50.418 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	18.2	27.4

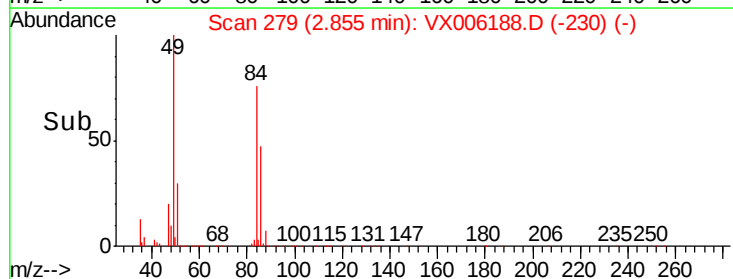
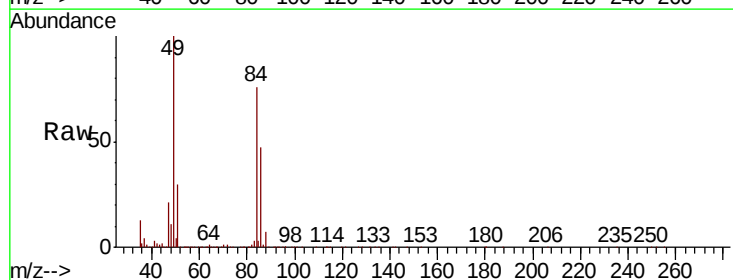
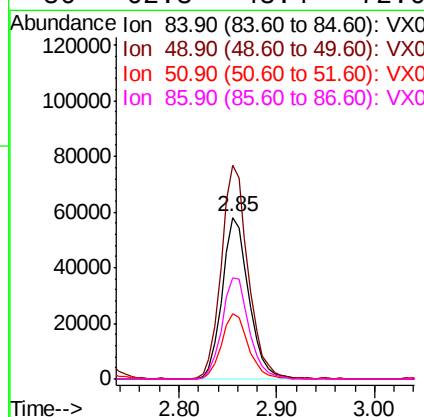
Manual Integrations
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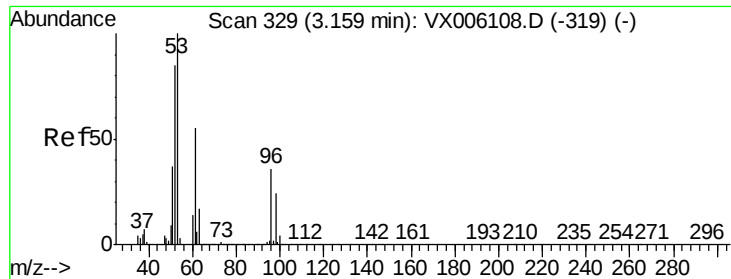
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#20
Methylene Chloride
Concen: 51.642 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.8	106.6	159.8
51	40.0	32.6	49.0
86	62.3	48.4	72.6





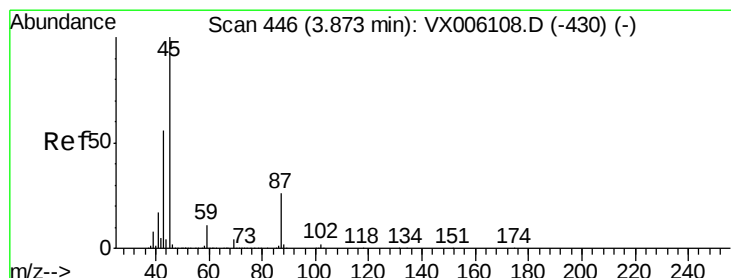
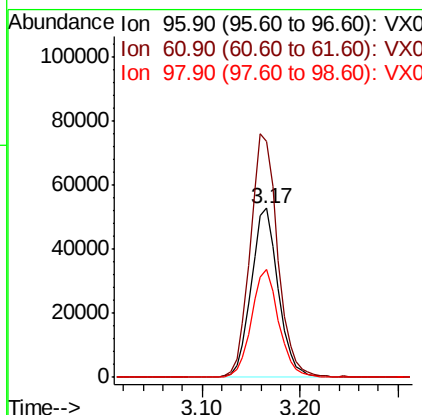
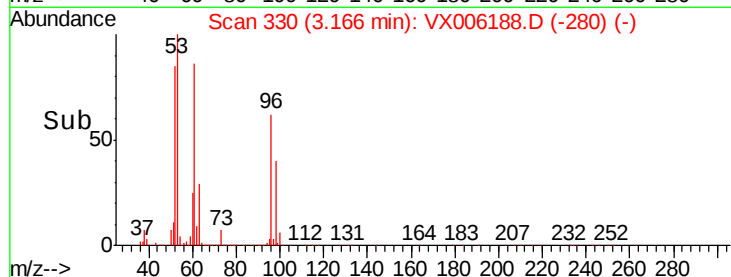
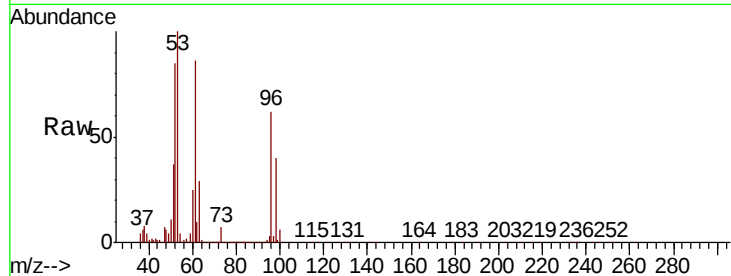
#21
trans-1,2-Dichloroethene
Concen: 49.448 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.4	122.0	183.0
98	64.2	52.7	79.1

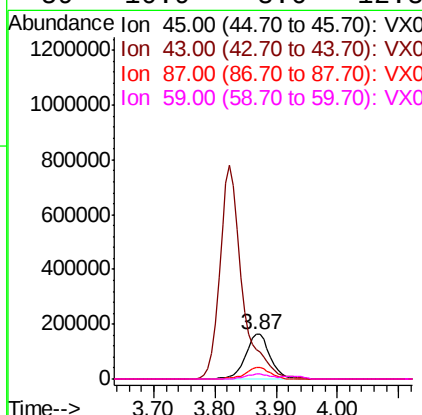
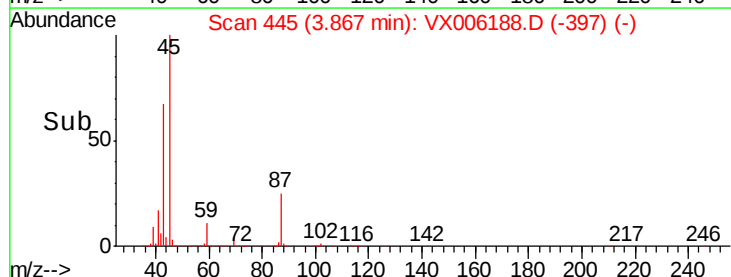
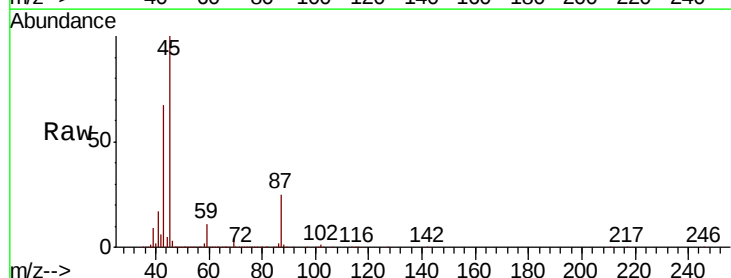
Manual Integrations
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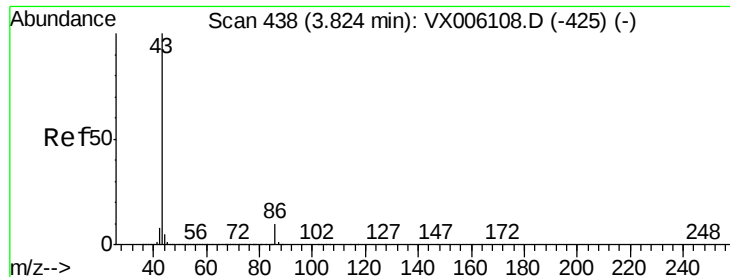
MMDadoda
11/27/2018 11:43:36 AM



#22
Diisopropyl ether
Concen: 53.151 ug/l
RT: 3.87 min Scan# 445
Delta R.T. -0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.1	45.8	68.8
87	25.4	21.0	31.4
59	10.9	8.6	12.8





#23

Vinyl Acetate

Concen: 278.036 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1990684

Ion Ratio Lower Upper

43 100

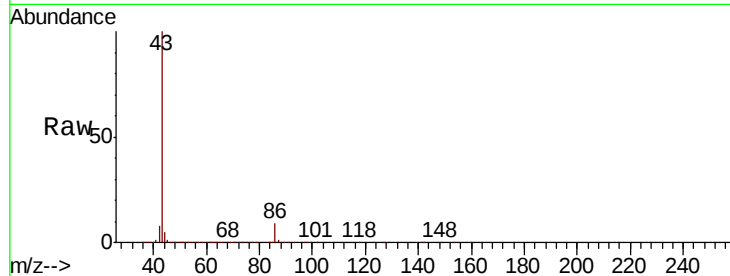
86 9.4 7.6 11.4

Manual Integrations

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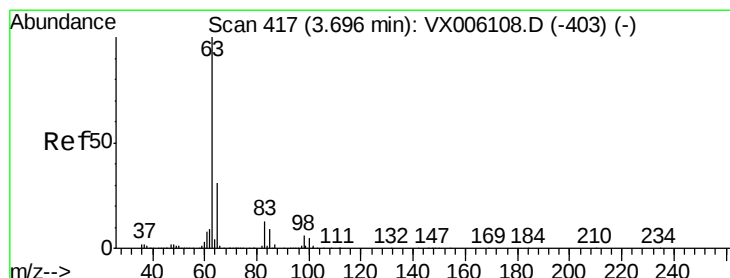
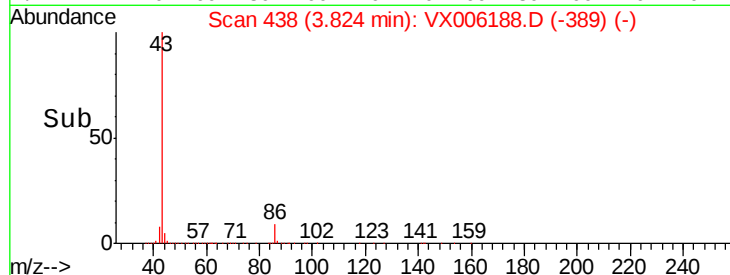
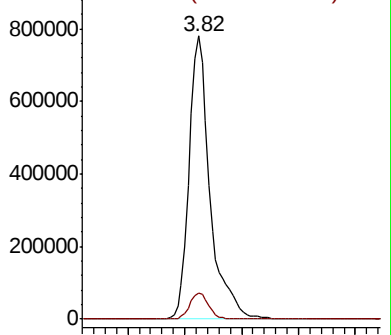
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 50.256 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

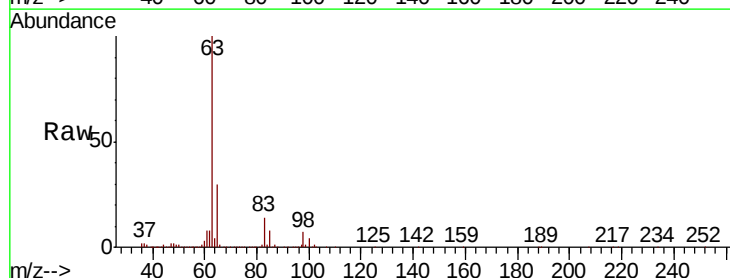
Tgt Ion: 63 Resp: 204331

Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

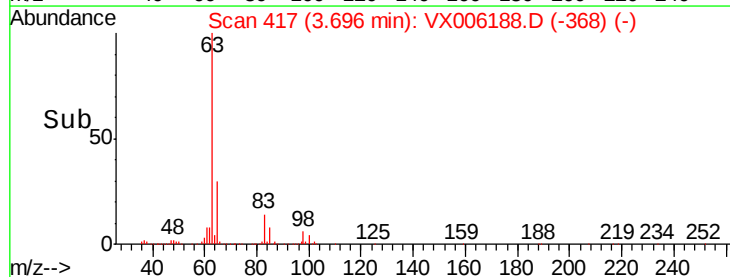
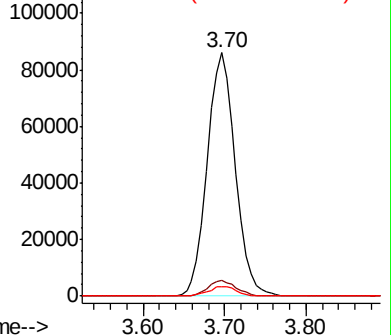
100 4.1 2.4 7.1

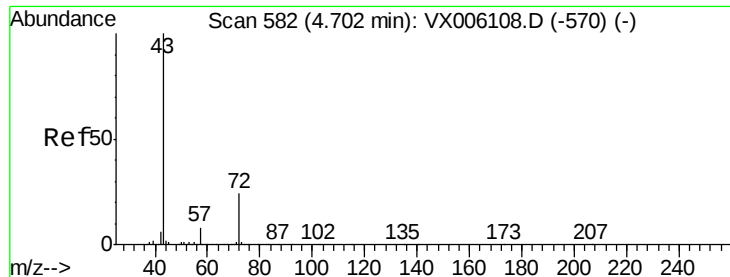


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 255.761 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 666133

Ion Ratio Lower Upper

43 100

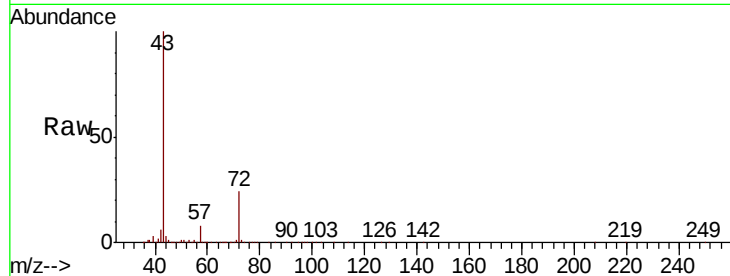
72 23.8 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

250000

200000

150000

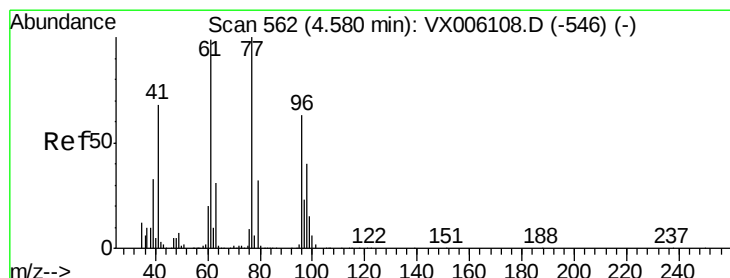
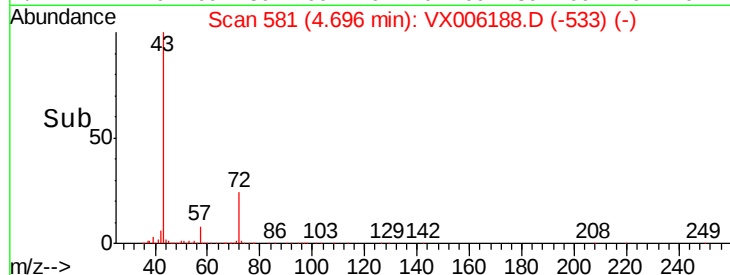
100000

50000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 47.862 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX006188.D

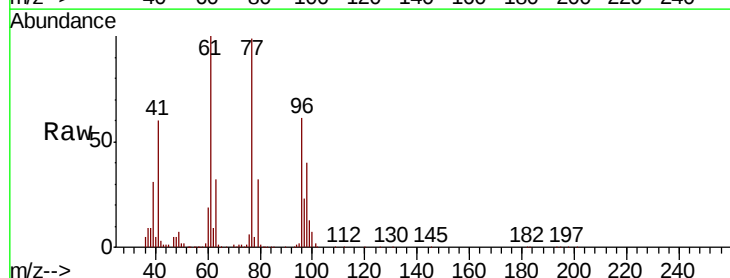
Acq: 26 Nov 2018 20:58

Tgt Ion: 77 Resp: 160386

Ion Ratio Lower Upper

77 100

97 24.2 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

60000

50000

40000

30000

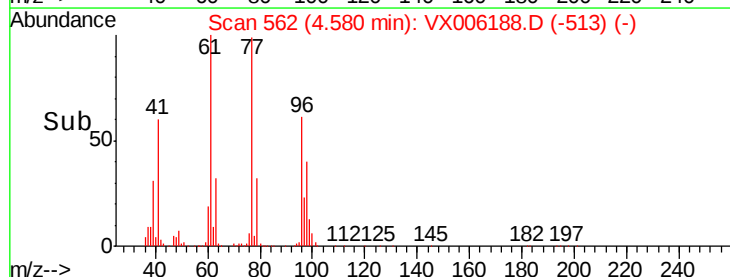
20000

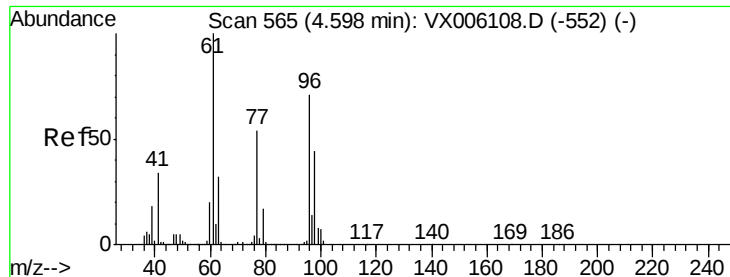
10000

0

4.40 4.50 4.60 4.70

Time-->





#27

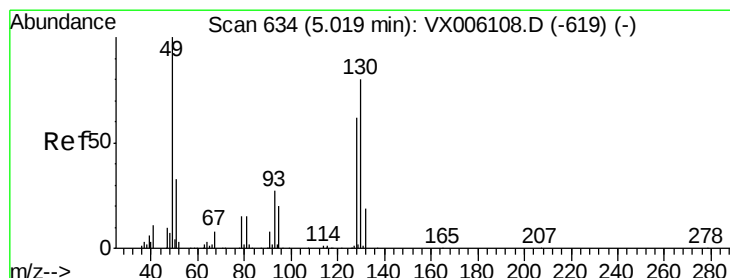
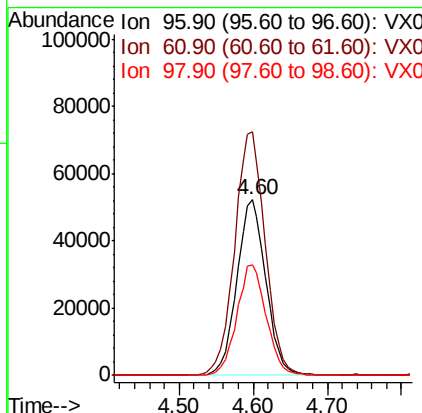
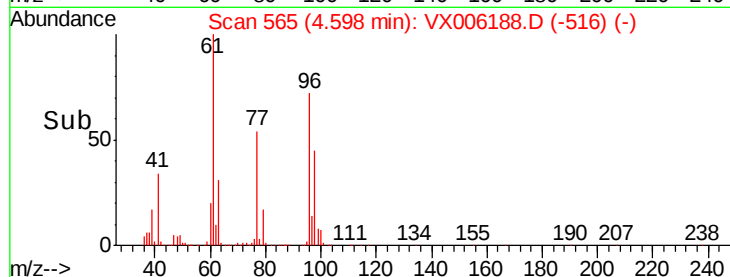
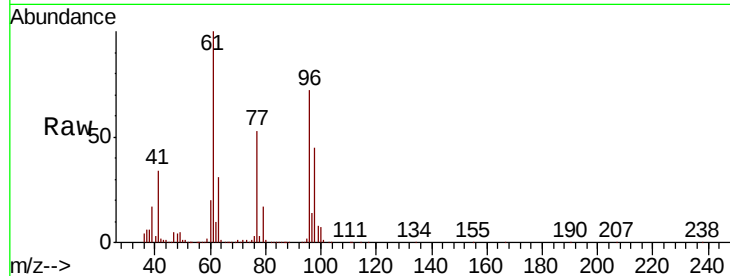
cis-1,2-Dichloroethene
Concen: 49.522 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	142700		
61	146.0	0.0	291.6	
98	64.1	0.0	128.2	

Manual Integrations
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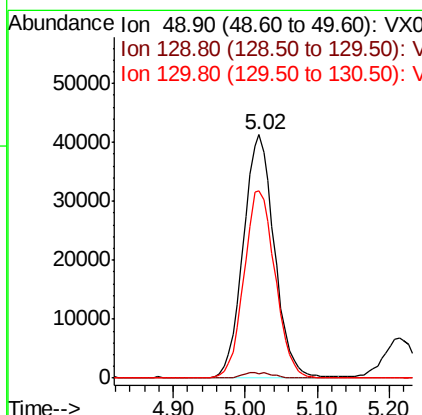
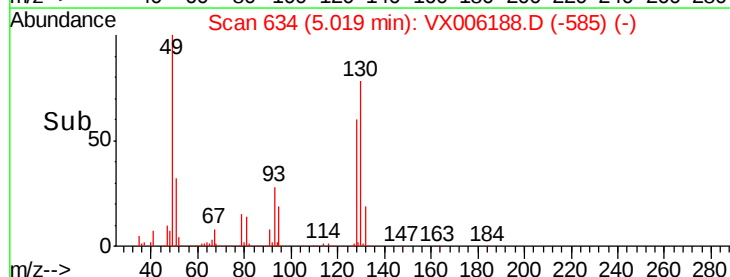
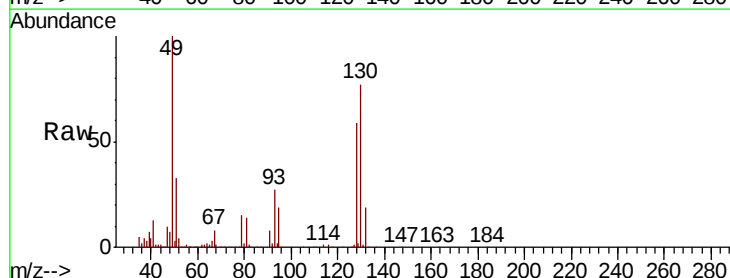
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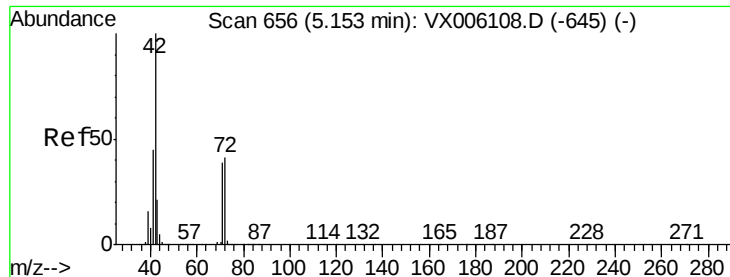


#28

Bromochloromethane
Concen: 52.425 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	124229		
129	2.3	0.0	4.4	
130	76.8	61.6	92.4	





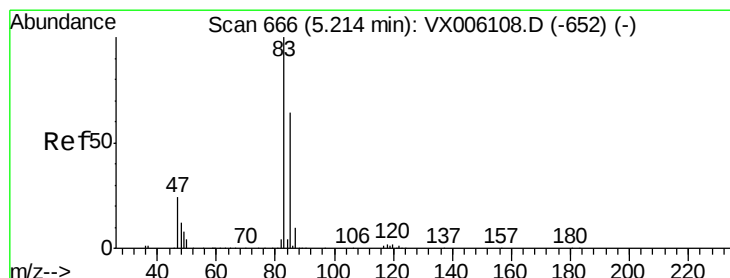
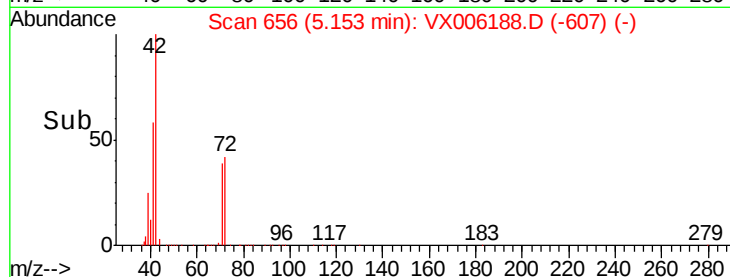
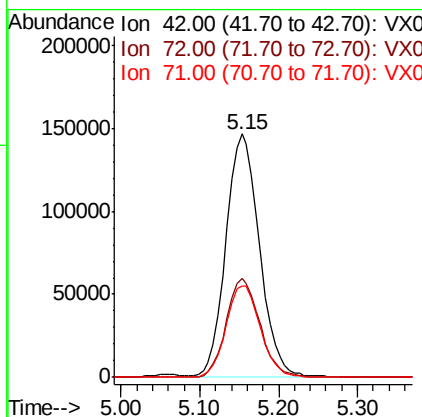
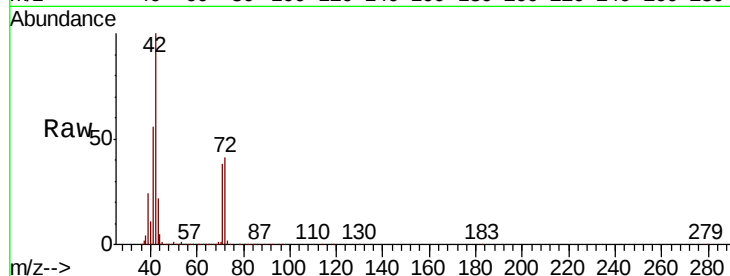
#29
Tetrahydrofuran
Concen: 265.198 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion:	42	Resp:	430876
Ion Ratio	Lower	Upper	
42	100		
72	41.3	33.0	49.6
71	38.8	31.0	46.4

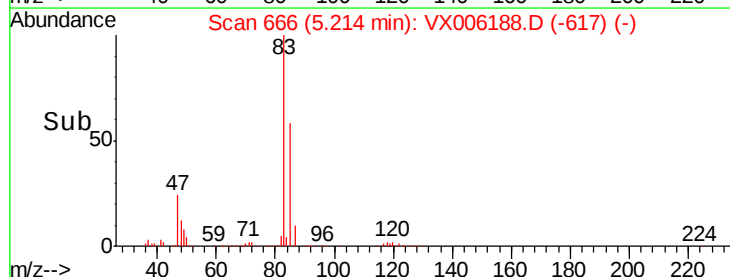
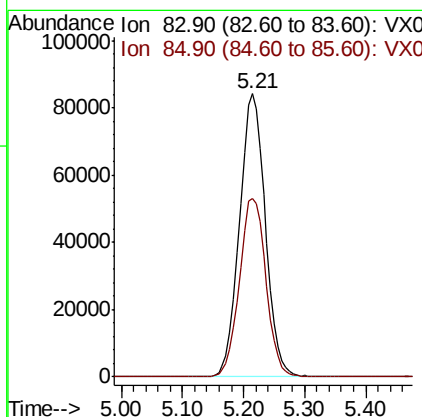
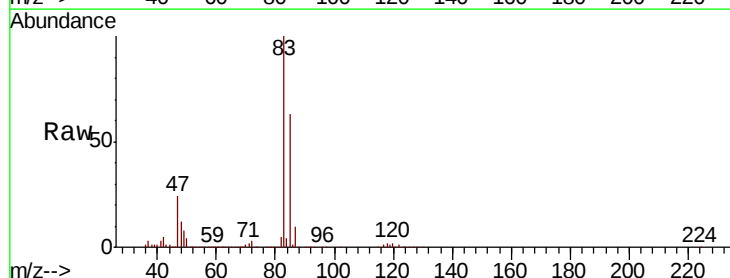
Manual Integrations
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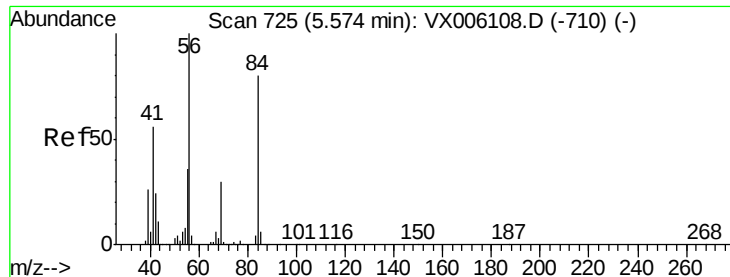
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#30
Chloroform
Concen: 50.023 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion:	83	Resp:	246465
Ion Ratio	Lower	Upper	
83	100		
85	63.0	51.0	76.4





#31

Cyclohexane

Concen: 49.309 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

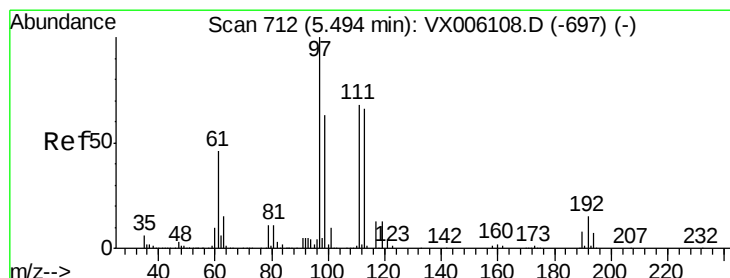
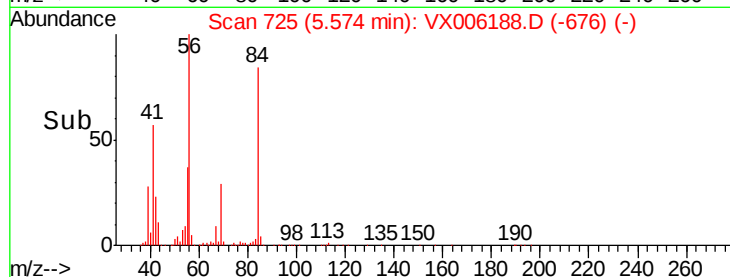
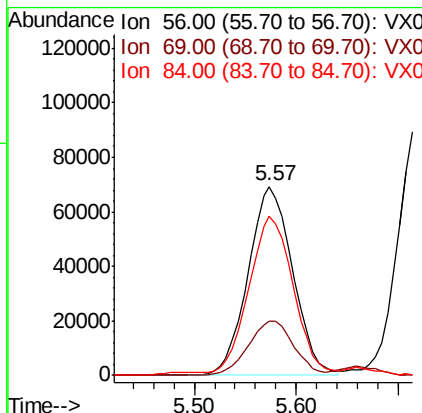
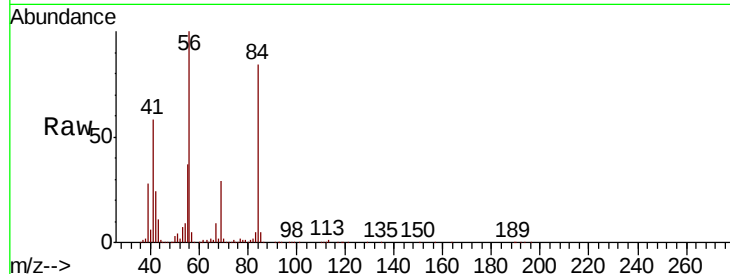
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	28.9	23.9	35.9	
84	82.7	63.6	95.4	

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.076 ug/l

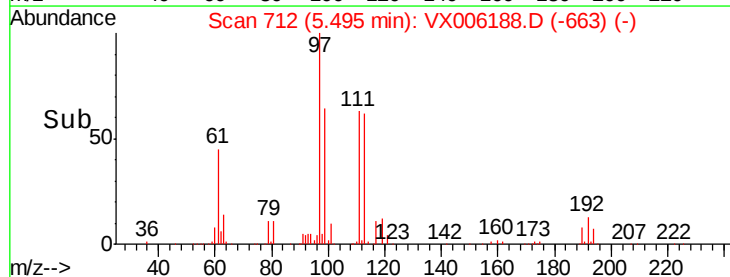
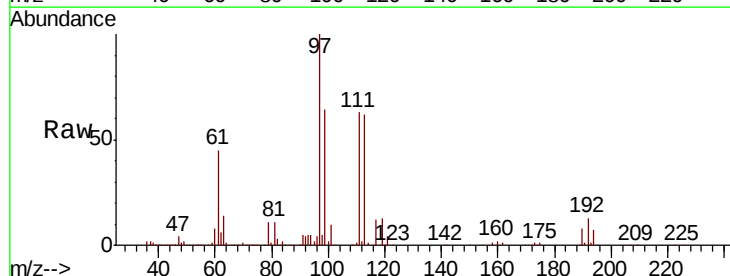
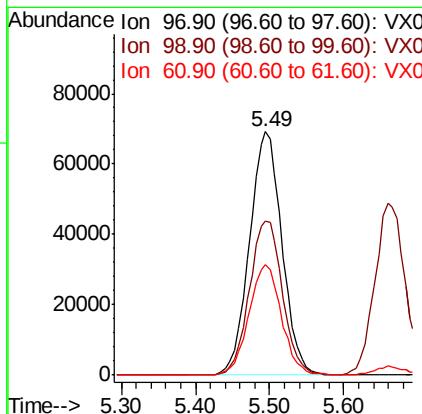
RT: 5.49 min Scan# 712

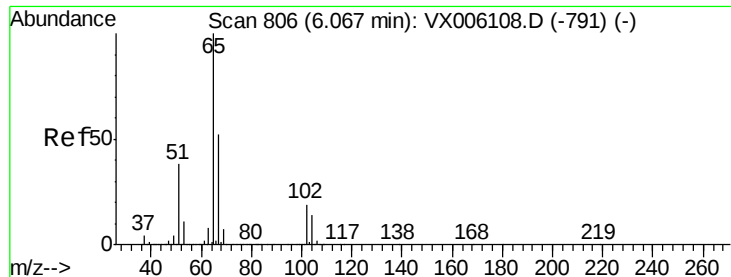
Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.6	51.6	77.4	
61	45.5	36.6	55.0	





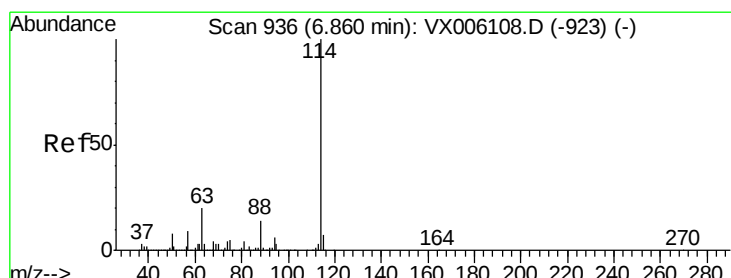
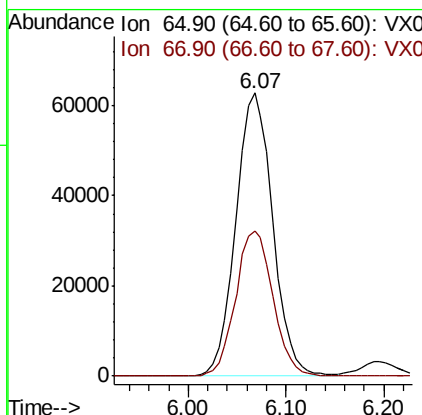
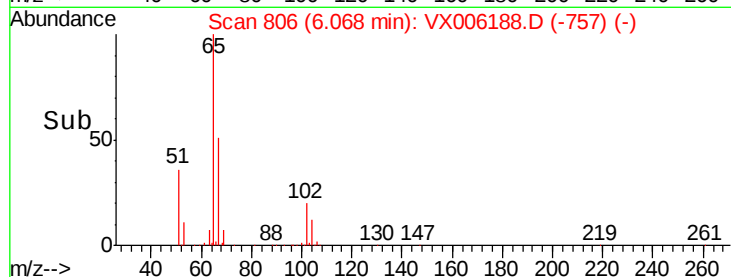
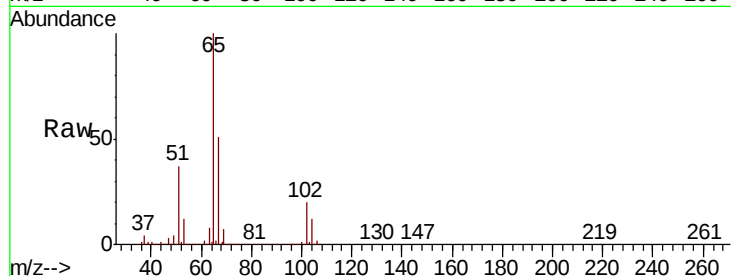
#33
 1,2-Dichloroethane-d4
 Concen: 51.916 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	105.8

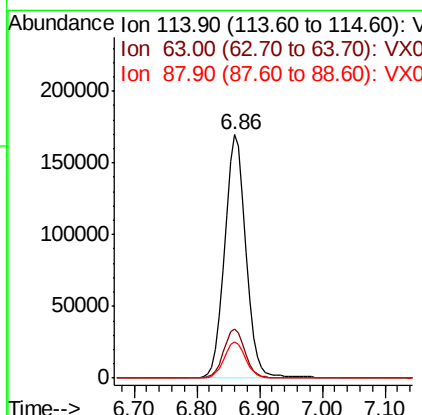
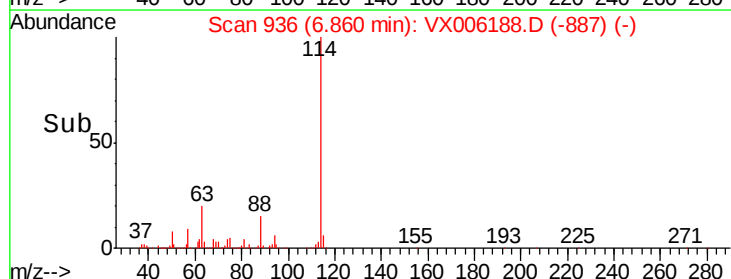
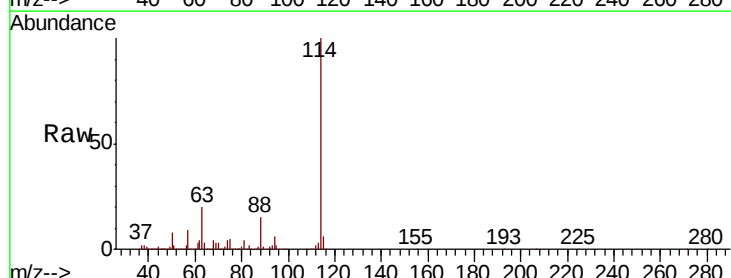
Manual Integrations
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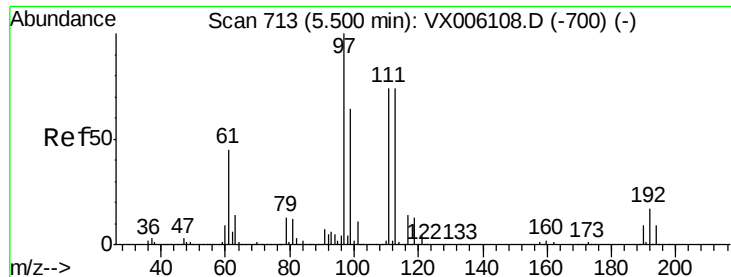
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	39.2
88	14.7	0.0	28.6





#35

Dibromofluoromethane

Concen: 51.562 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

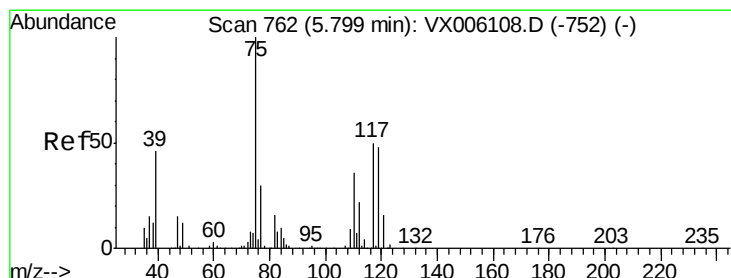
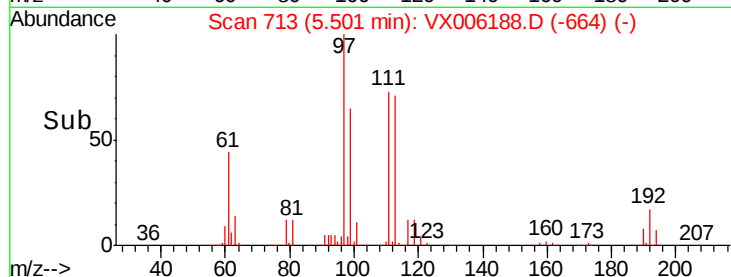
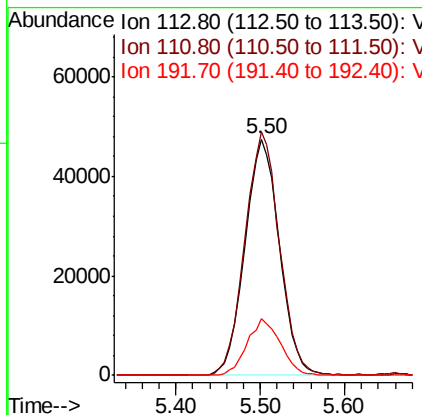
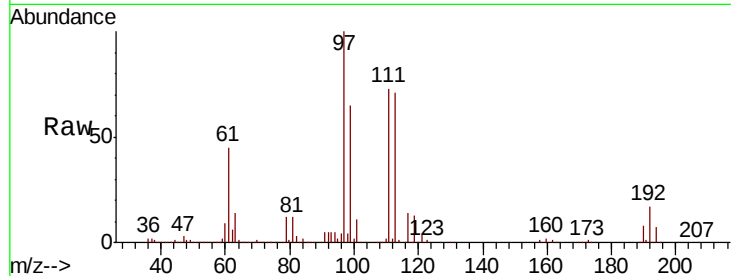
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	131554
Ion Ratio	Lower	Upper	
113	100		
111	103.4	81.5	122.3
192	23.2	18.6	28.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.700 ug/l

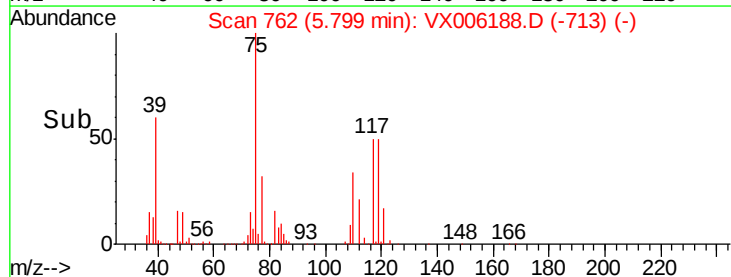
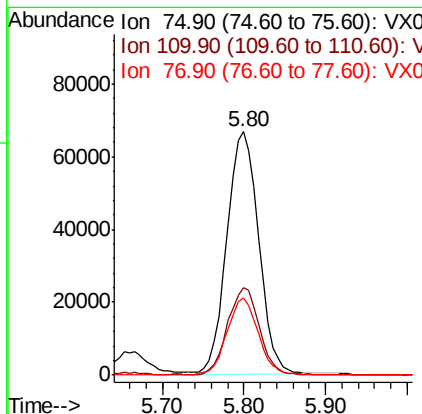
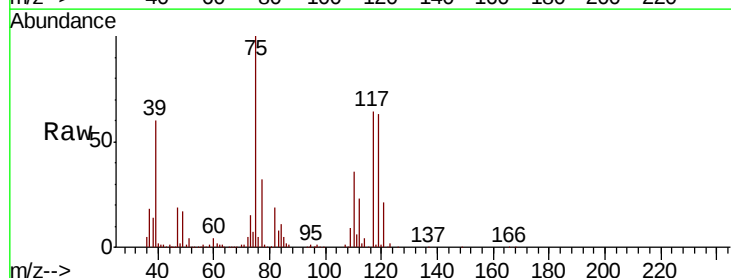
RT: 5.80 min Scan# 762

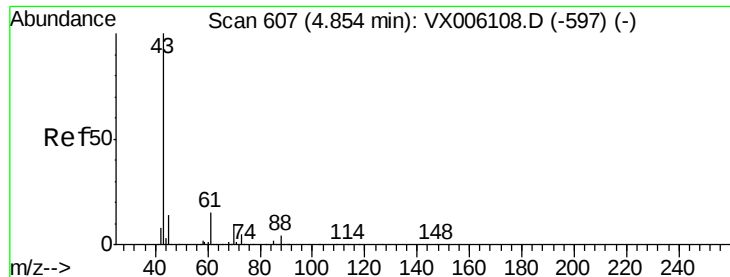
Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tgt Ion:	75	Resp:	179711
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.8	53.3
77	30.6	24.5	36.7





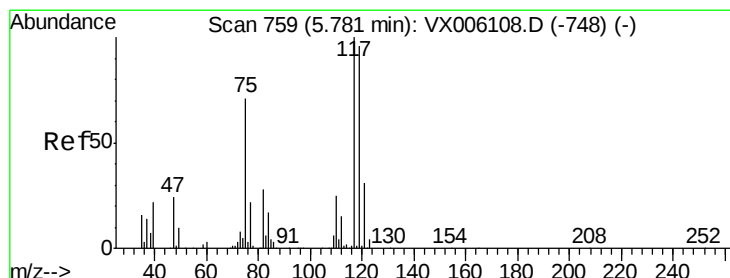
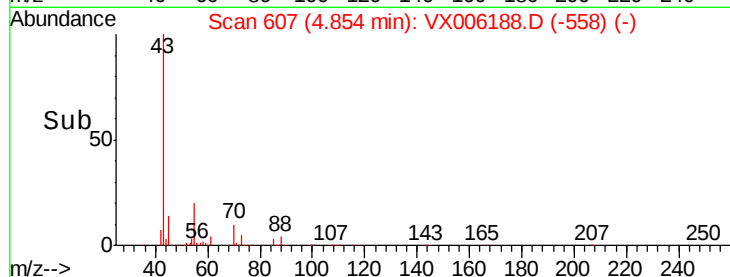
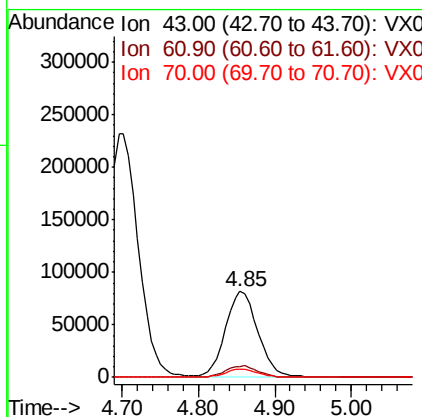
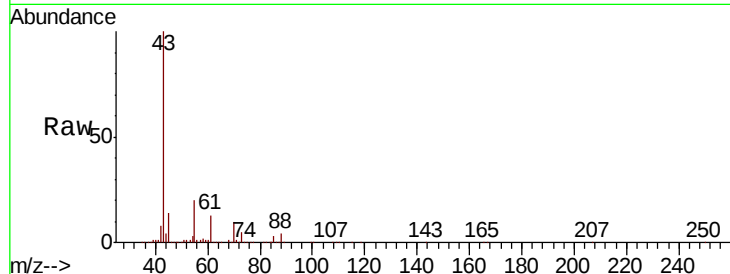
#37
Ethyl Acetate
Concen: 51.689 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	9.4	7.9	11.9

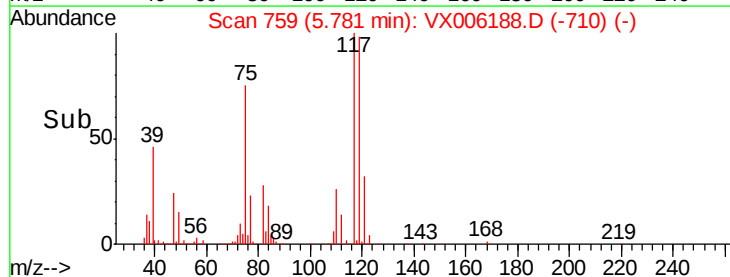
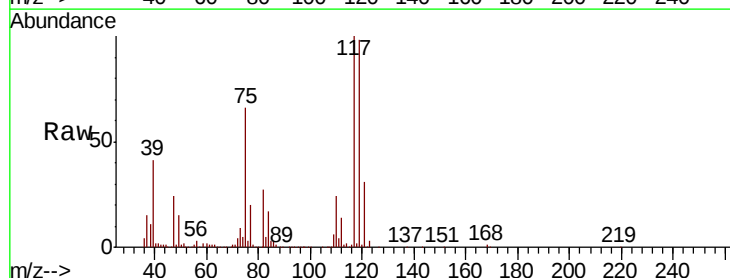
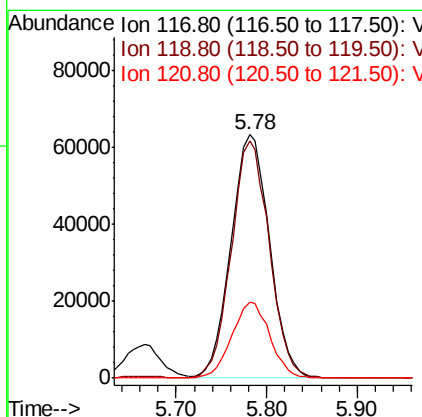
Manual Integrations
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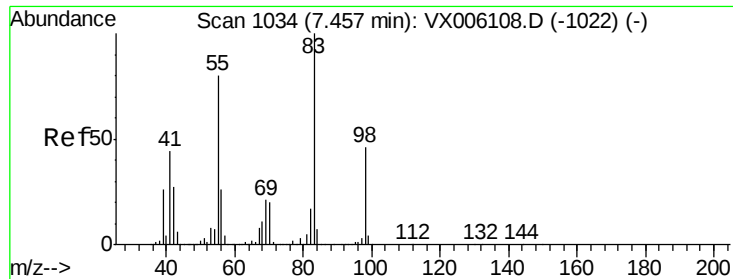
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#38
Carbon Tetrachloride
Concen: 54.968 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	76.3	114.5
121	31.3	24.7	37.1





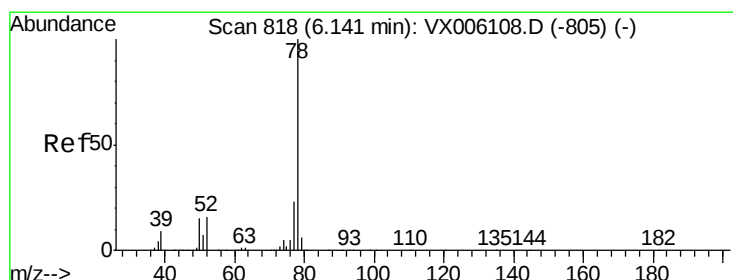
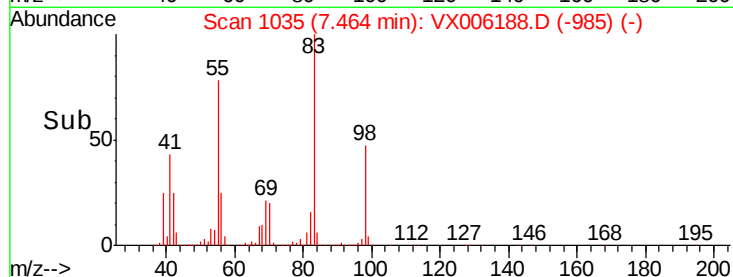
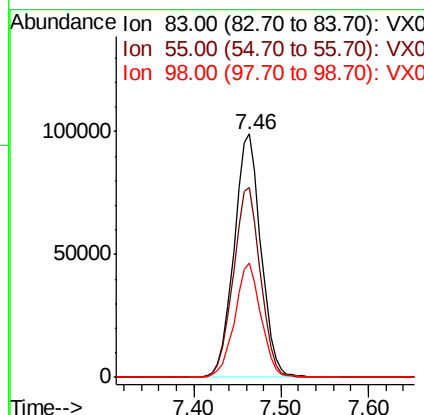
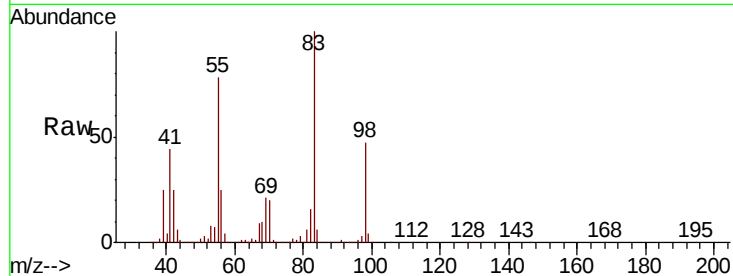
#39
Methvlcvclohexane
Concen: 51.524 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.2	63.9	95.9	
98	47.1	36.8	55.2	

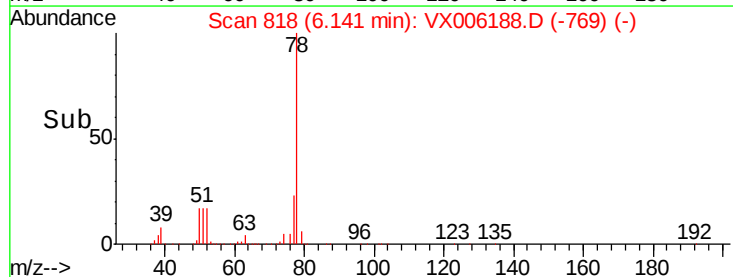
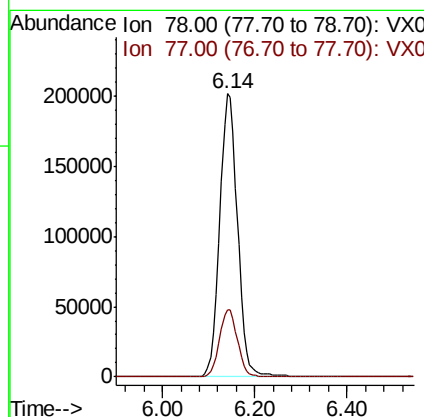
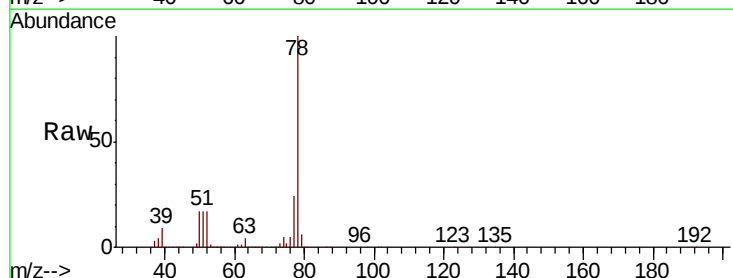
Manual Integrations
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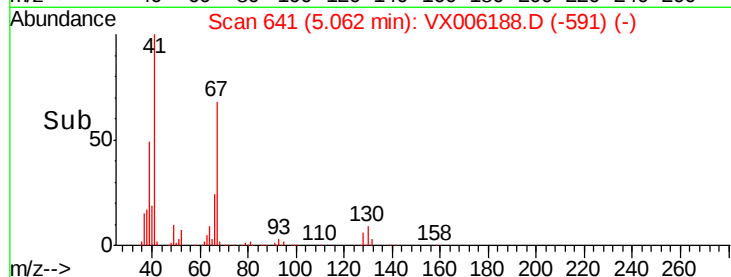
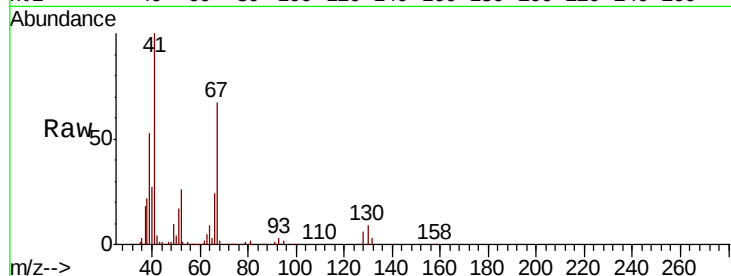
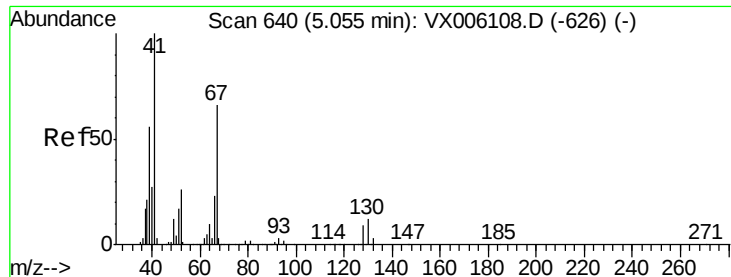
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11/27/2018 11:43:36 AM



#40
Benzene
Concen: 50.929 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.8	28.2	





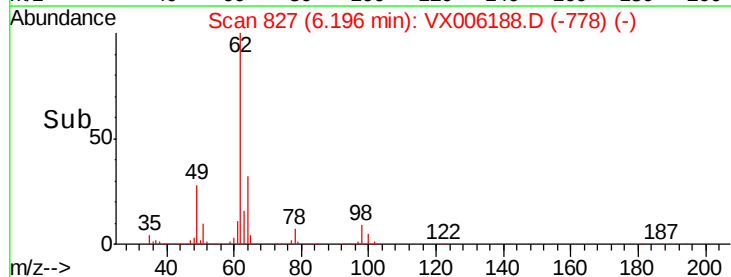
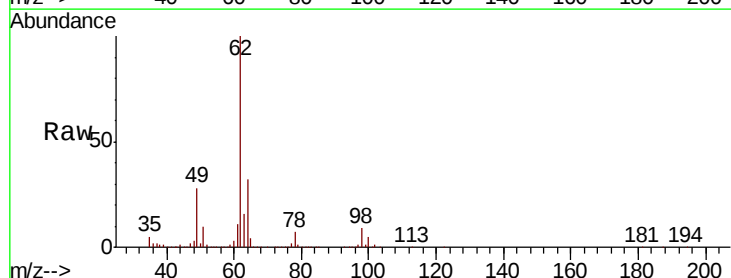
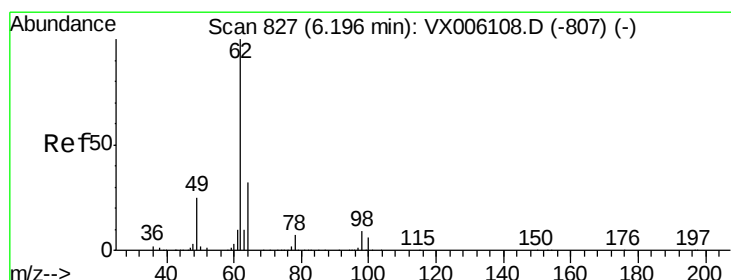
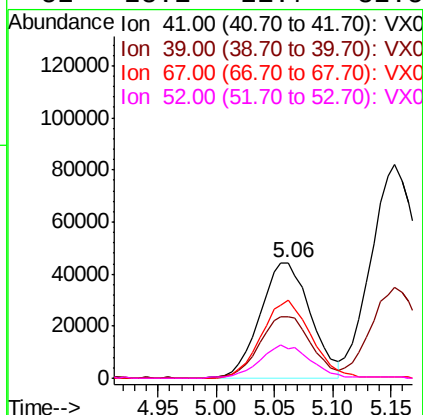
#41
Methacrylonitrile
Concen: 52.028 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	133385		
39	39	54.1		44.1	66.1
67	67	66.0		54.1	81.1
52	52	28.1		21.7	32.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

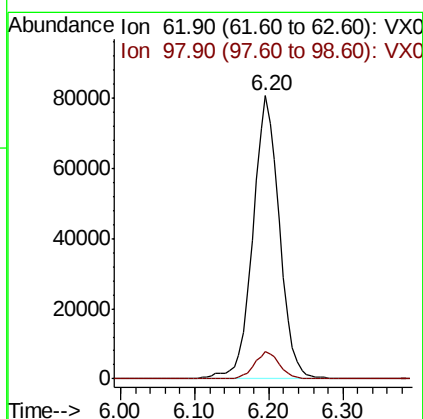
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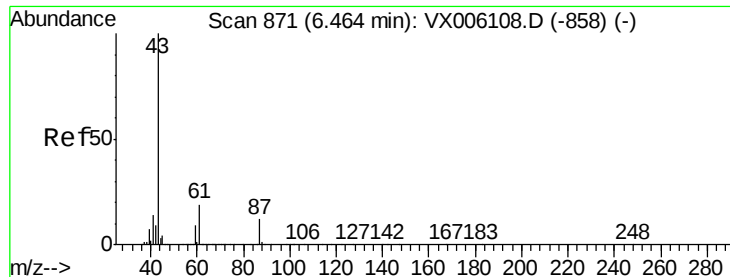
MMDadoda
11/27/2018 11:43:36 AM



#42
1,2-Dichloroethane
Concen: 50.667 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	201796		
98	98	9.1		0.0	17.8





#43

Isopropyl Acetate

Concen: 53.357 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

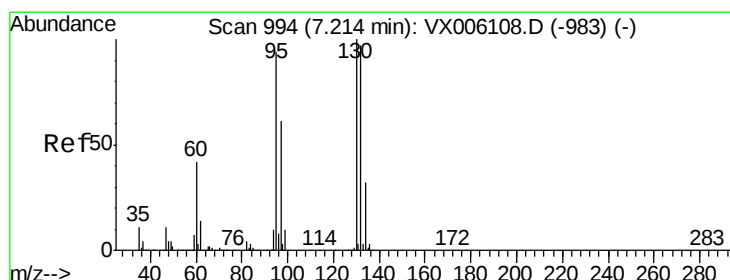
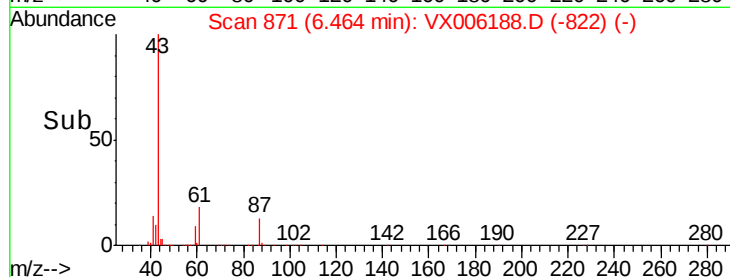
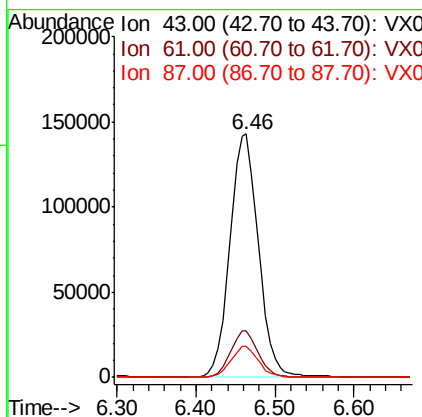
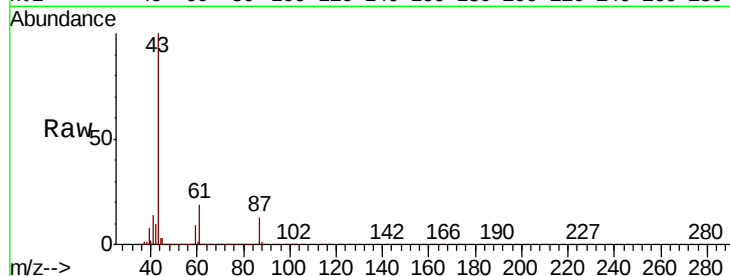
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	358473
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.2	22.8
87	12.3	9.6	14.4

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#44

Trichloroethene

Concen: 49.215 ug/l

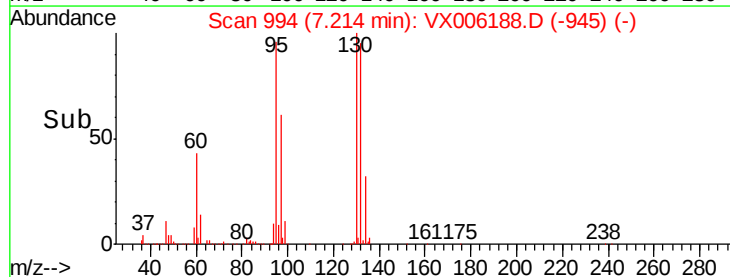
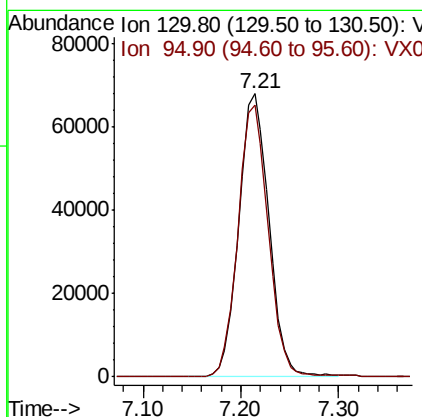
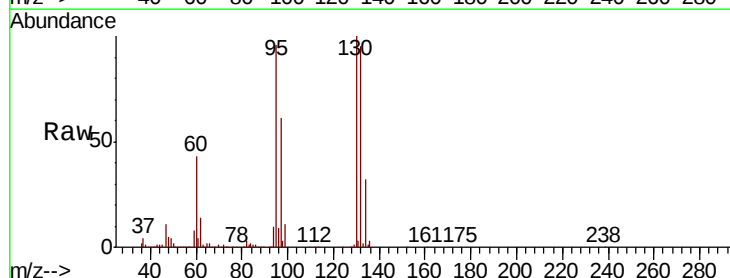
RT: 7.21 min Scan# 994

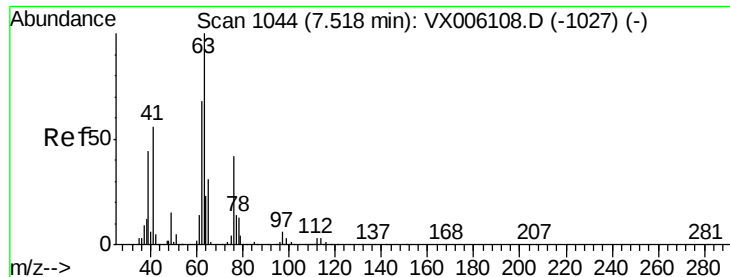
Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tgt Ion:	130	Resp:	145718
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	188.8





#45

1,2-Dichloropropane

Concen: 51.734 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 145856

Ion Ratio Lower Upper

63 100

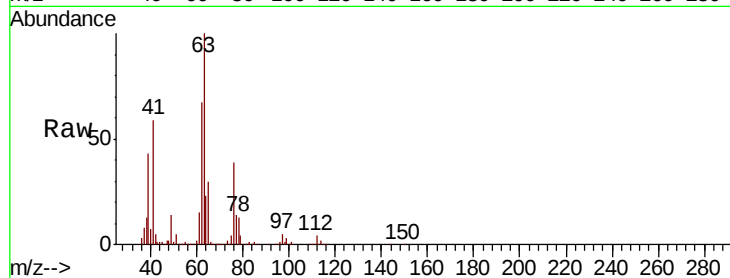
65 30.3 24.8 37.2

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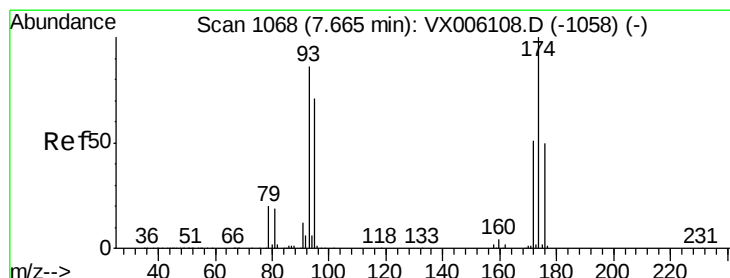
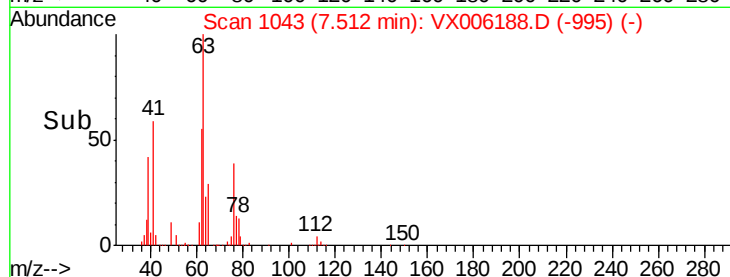
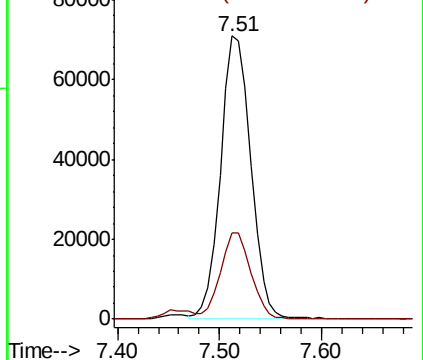
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 50.336 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

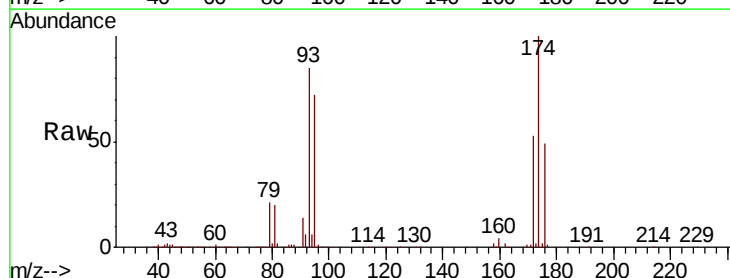
Tgt Ion: 93 Resp: 97188

Ion Ratio Lower Upper

93 100

95 84.3 66.3 99.5

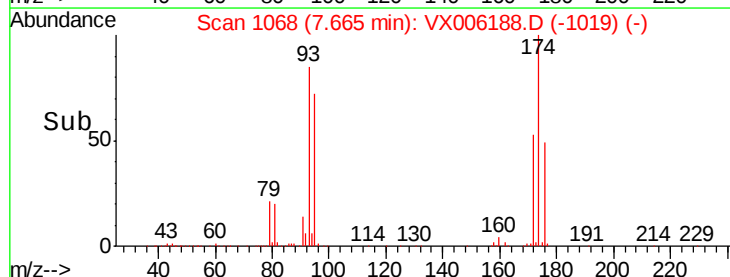
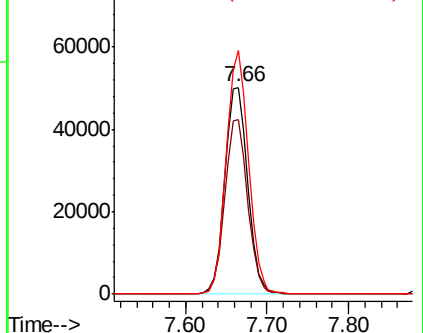
174 114.6 91.0 136.6

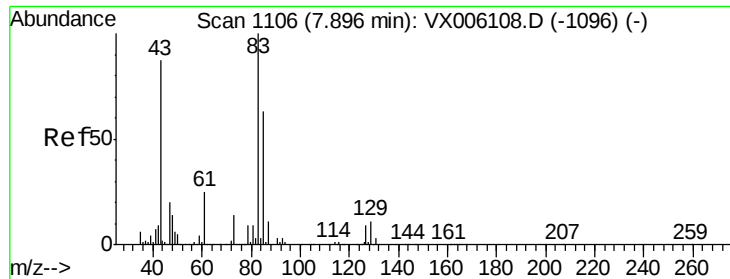


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





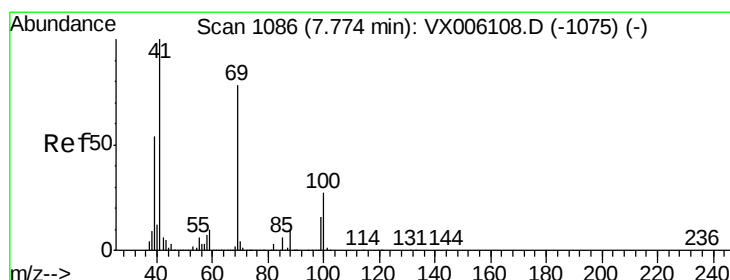
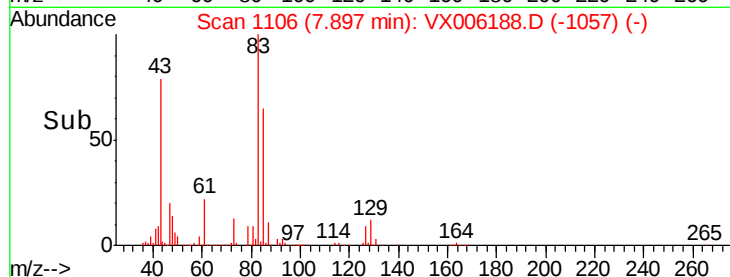
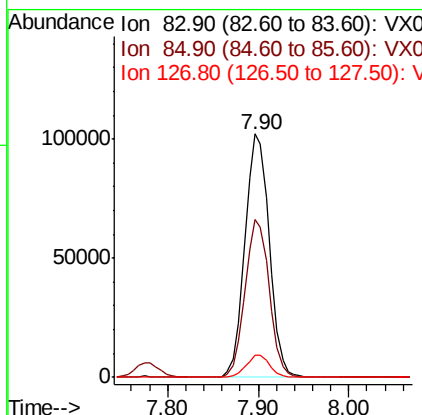
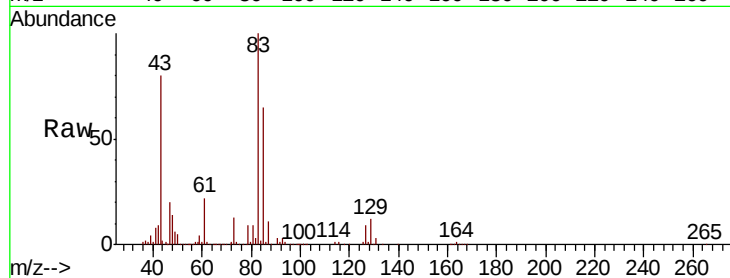
#47
 Bromodichloromethane
 Concen: 53.065 ug/l
 RT: 7.90 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.4	75.6
127	9.2	7.0	10.4

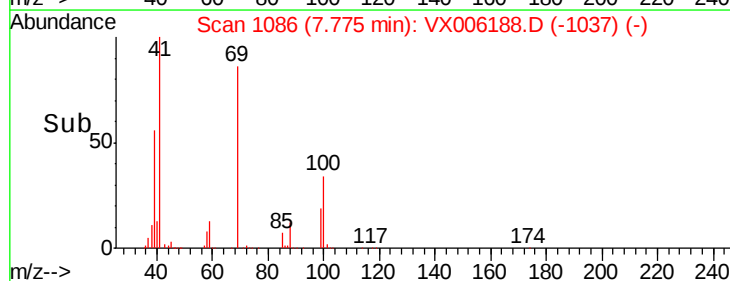
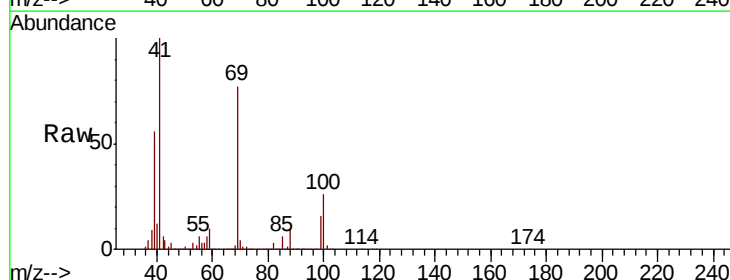
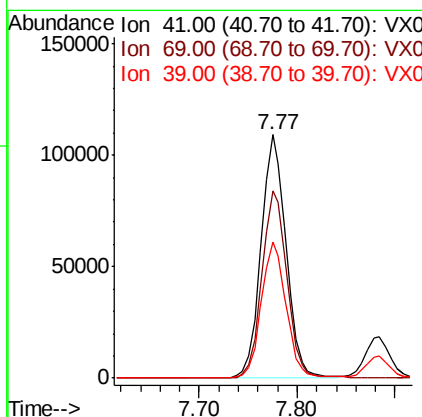
Manual Integrations
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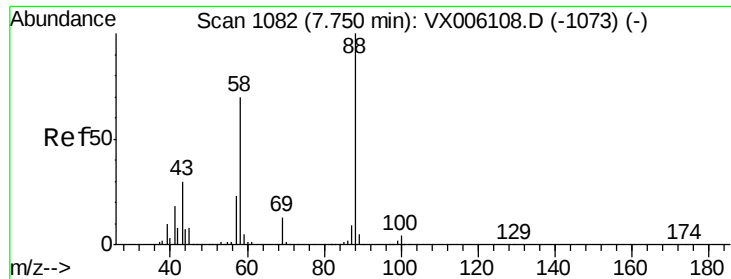
MMDadoda
 11/27/2018 11:43:36 AM



#48
 Methyl methacrylate
 Concen: 56.520 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.5	62.8	94.2
39	55.7	43.8	65.6





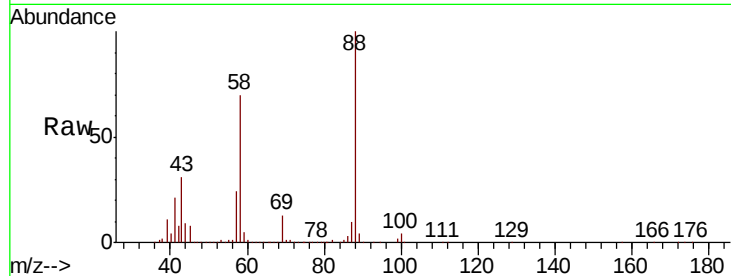
#49
1,4-Dioxane
Concen: 1052.480 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.6	26.7	40.1
58	71.0	58.5	87.7

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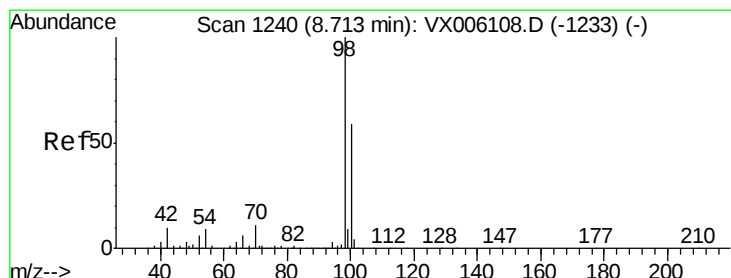
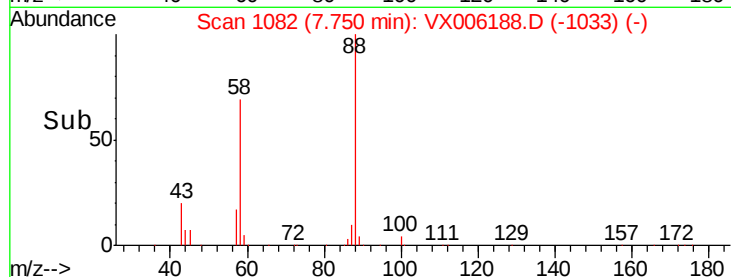
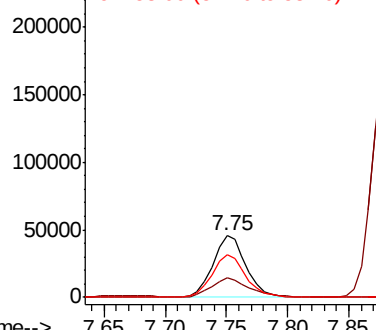


Abundance

Ion 88.00 (87.70 to 88.70): VX0

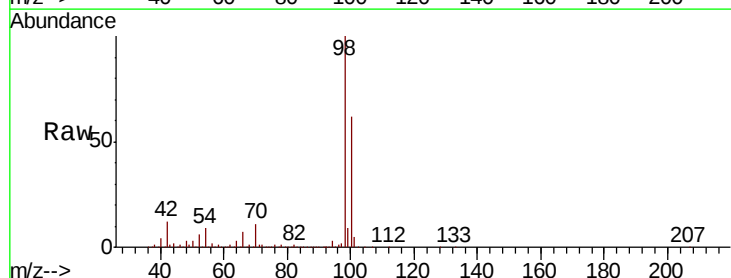
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
Toluene-d8
Concen: 51.413 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

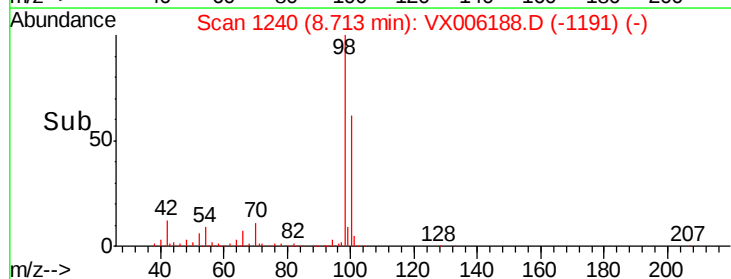
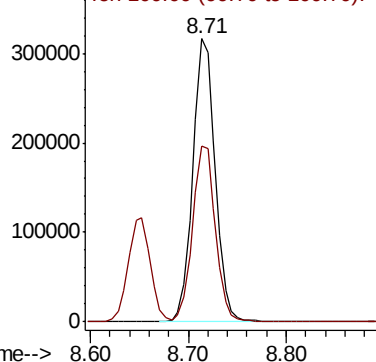
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.0	76.4

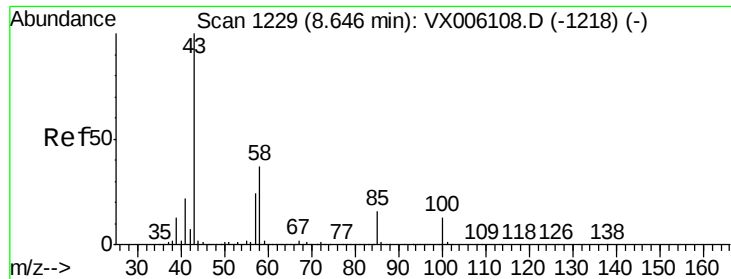


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 273.214 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1315909

Ion Ratio Lower Upper

43 100

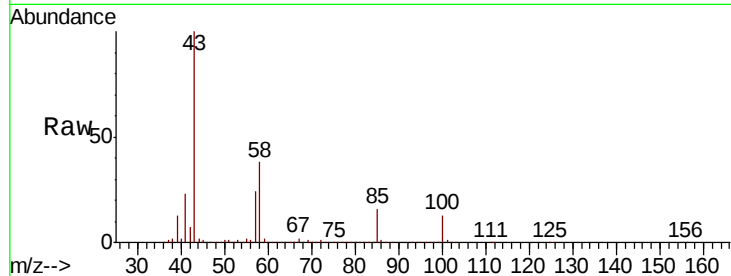
58 37.4 29.9 44.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.65

800000

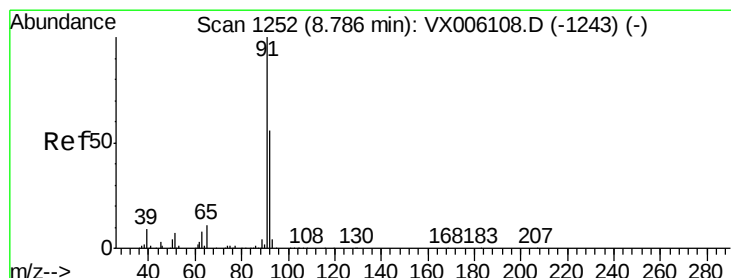
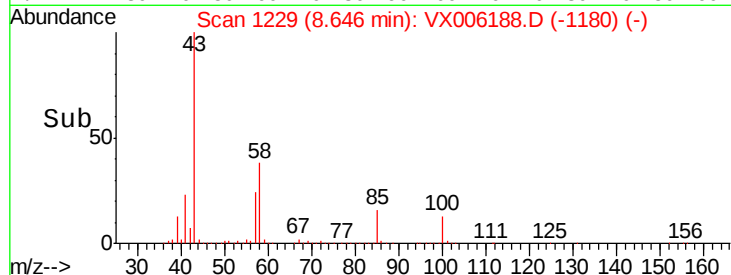
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.605 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX006188.D

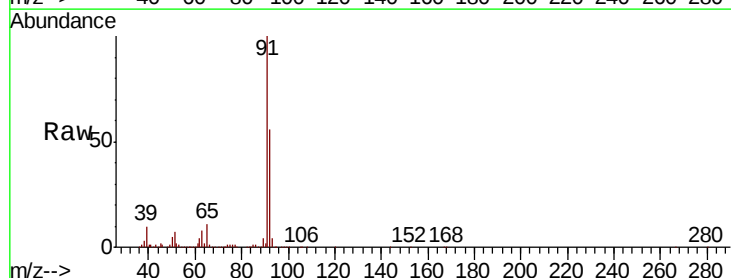
Acq: 26 Nov 2018 20:58

Tgt Ion: 92 Resp: 346628

Ion Ratio Lower Upper

92 100

91 177.2 142.5 213.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

400000

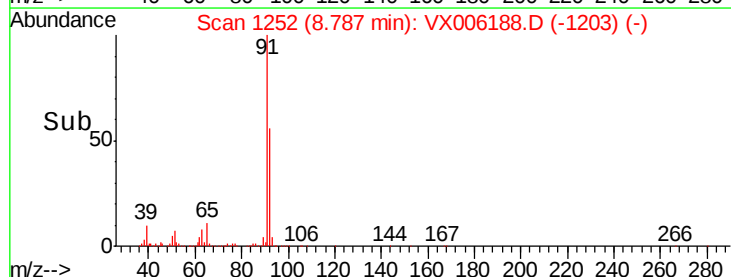
300000

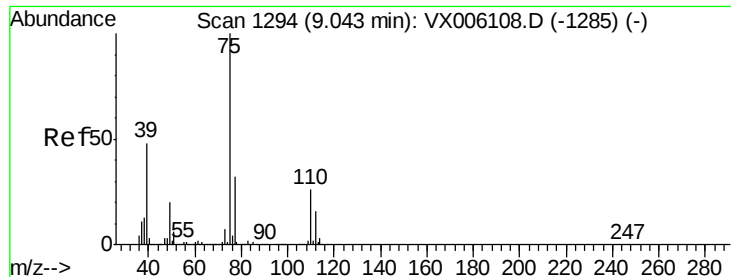
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.081 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tot Ion: 75 Resp: 201530

Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

Instrument :

MSVOA_X

ClientSampleId :

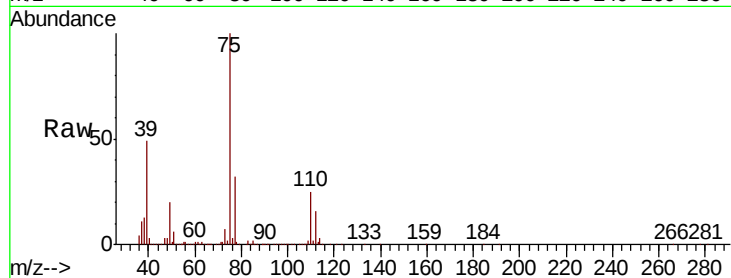
VSTDCCC050EC

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

9.04

150000

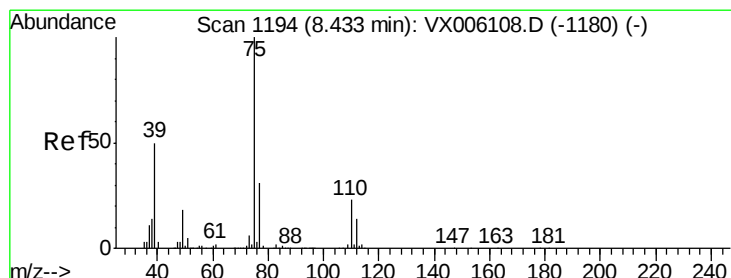
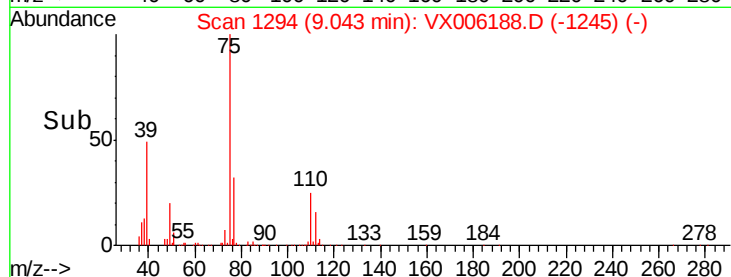
100000

50000

0

9.00 9.10

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.861 ug/l

RT: 8.43 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

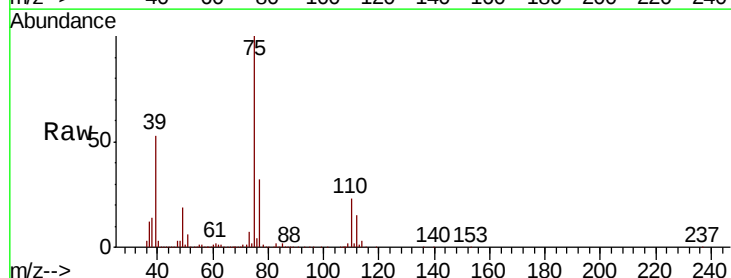
Tgt Ion: 75 Resp: 217759

Ion Ratio Lower Upper

75 100

77 31.7 24.7 37.1

39 53.0 40.3 60.5



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0

8.43

150000

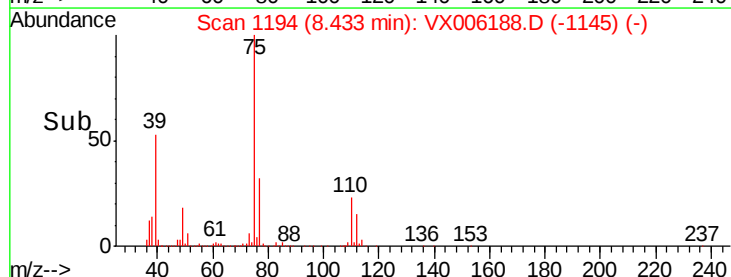
100000

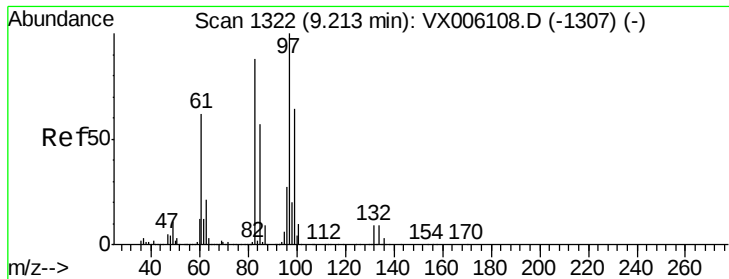
50000

0

8.30 8.40 8.50 8.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 51.007 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

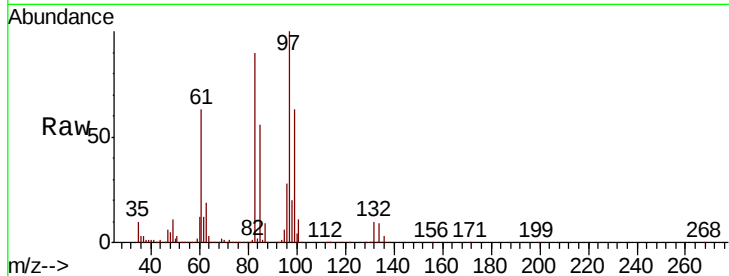
ClientSampleId :

VSTDCCC050EC

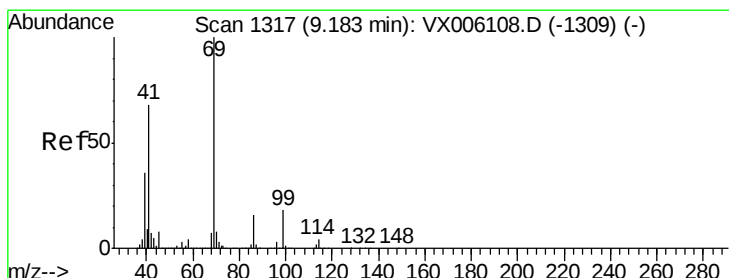
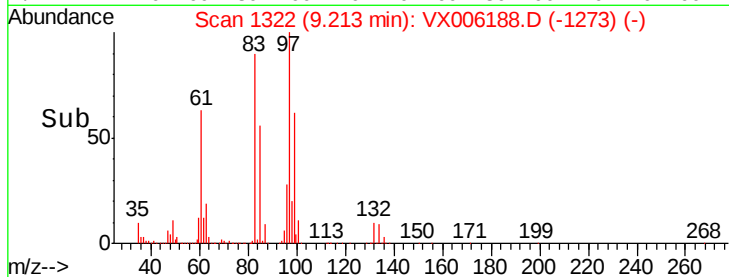
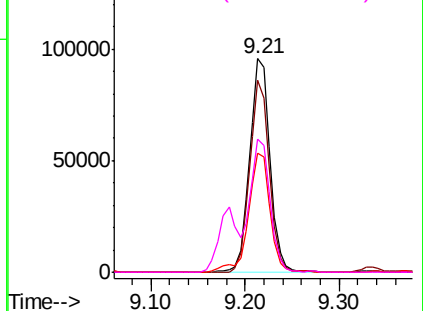
Tot Ion:	97	Resp:	145559
Ion	Ratio	Lower	Upper
97	100		
83	90.2	70.7	106.1
85	56.0	45.7	68.5
99	62.5	51.4	77.2

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Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 50.396 ug/l

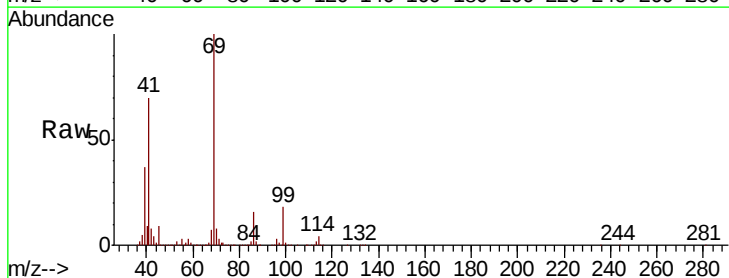
RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

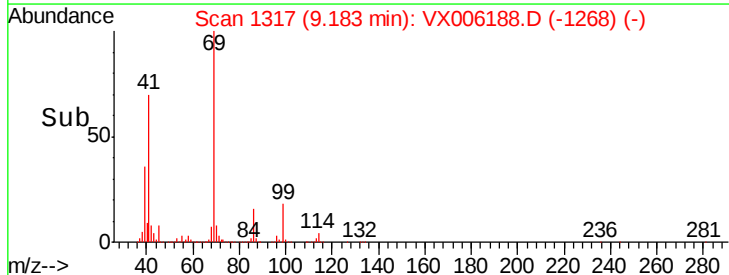
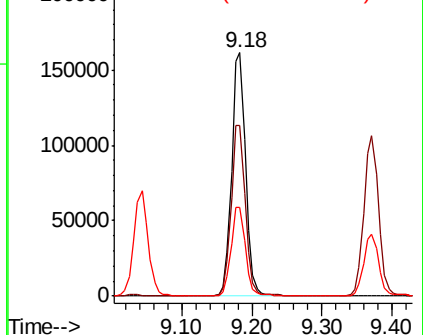
Lab File: VX006188.D

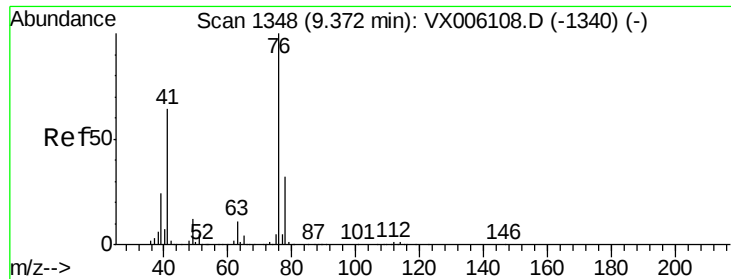
Acq: 26 Nov 2018 20:58

Tgt Ion:	69	Resp:	224060
Ion	Ratio	Lower	Upper
69	100		
41	70.8	56.2	84.4
39	38.1	29.4	44.0



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 51.467 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 242089

Ion Ratio Lower Upper

76 100

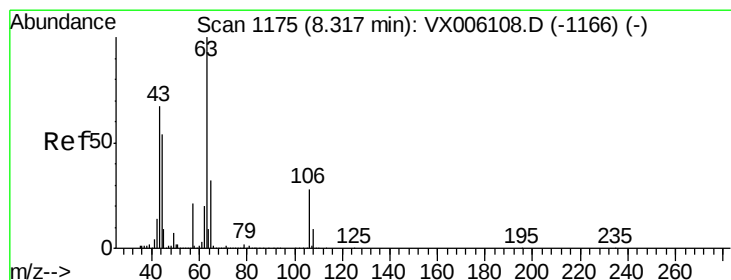
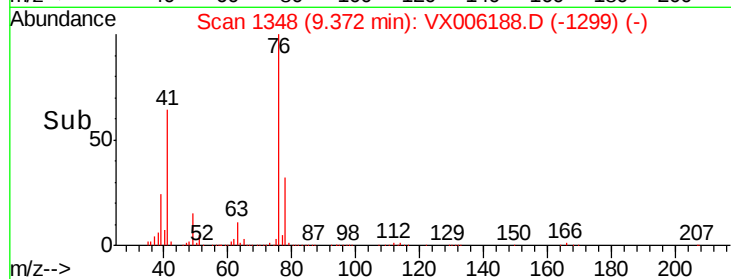
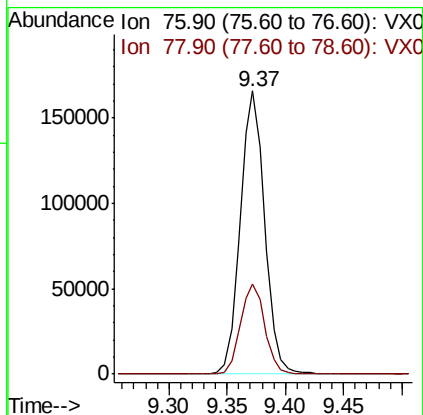
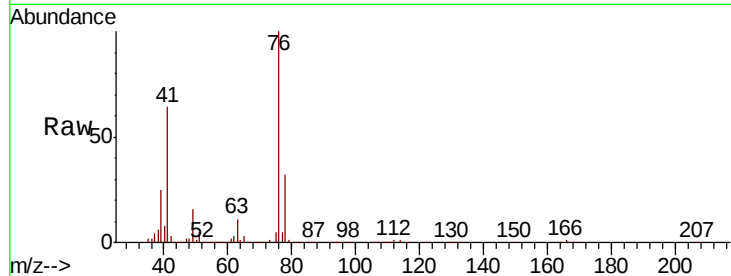
78 32.0 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 254.356 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX006188.D

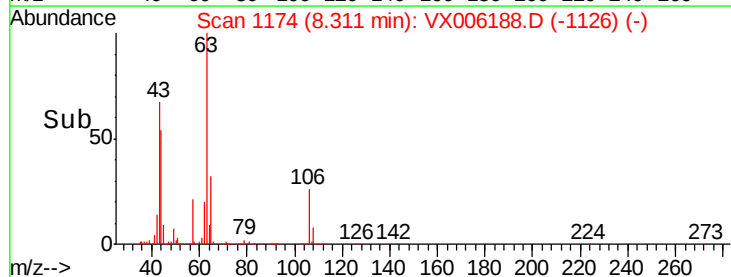
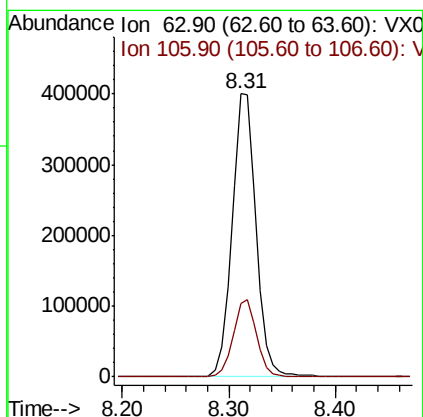
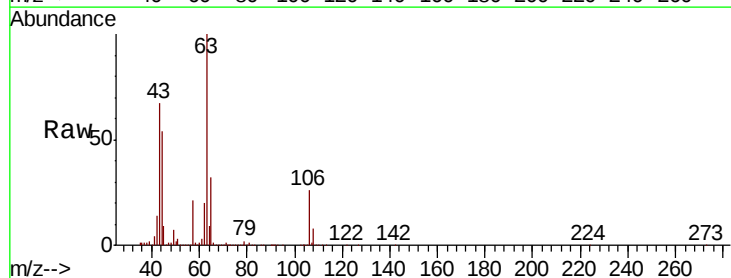
Acq: 26 Nov 2018 20:58

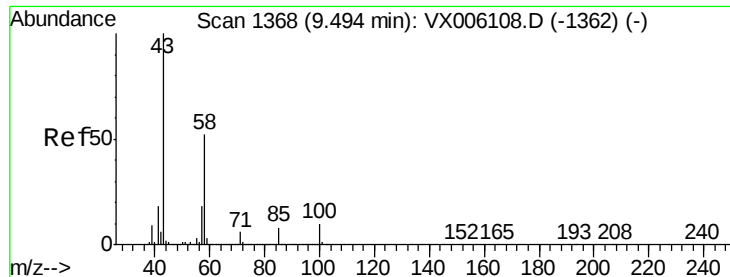
Tgt Ion: 63 Resp: 631135

Ion Ratio Lower Upper

63 100

106 26.8 21.7 32.5





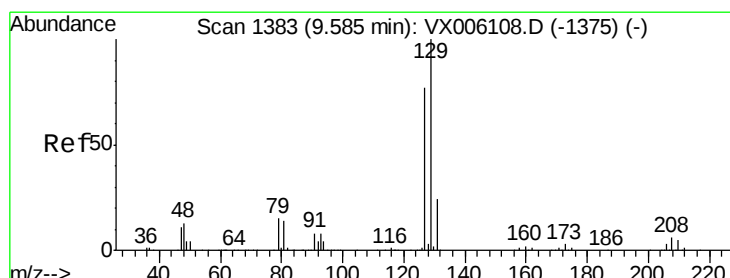
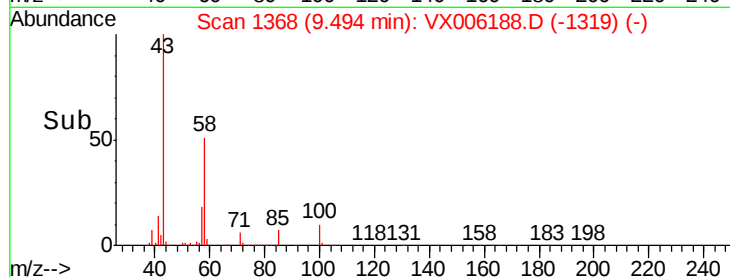
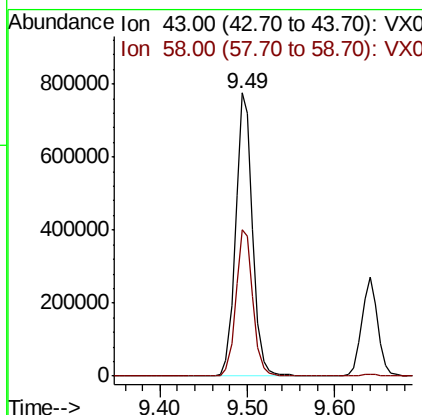
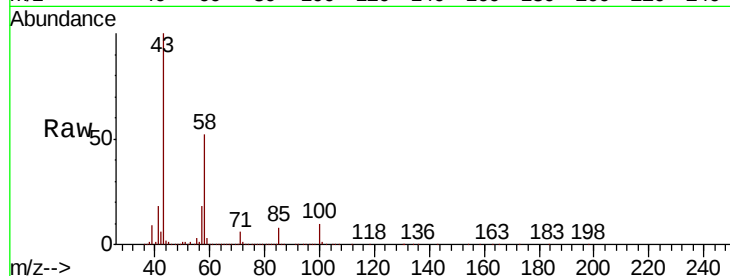
#59
2-Hexanone
Concen: 274.005 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1047345
Ion Ratio Lower Upper
43 100
58 52.2 26.3 78.9

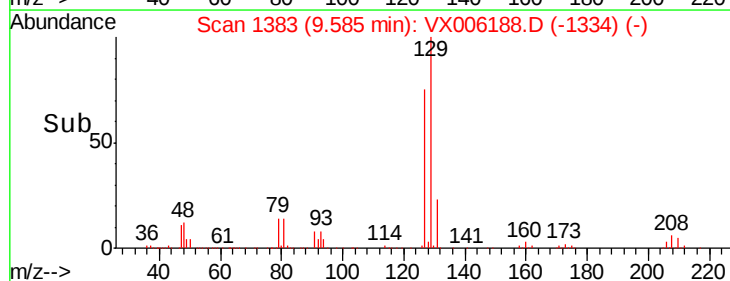
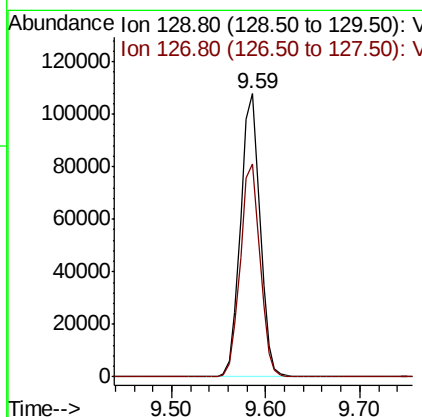
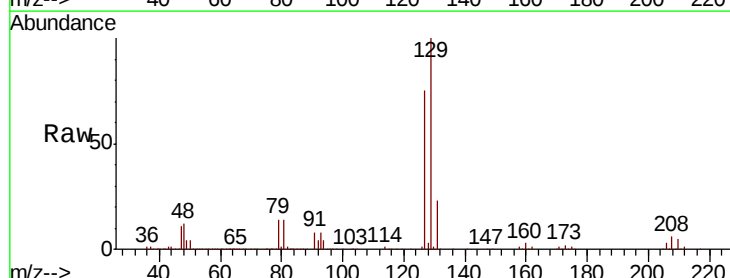
Manual Integrations
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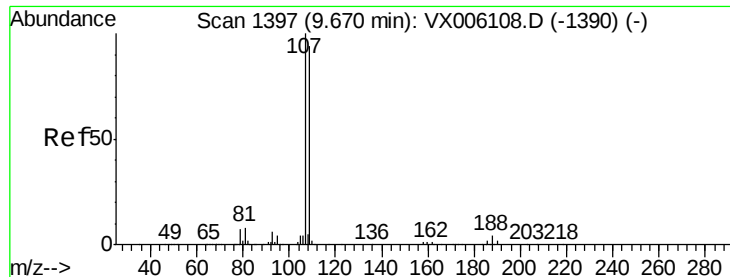
MMDadoda
11/27/2018 11:43:36 AM



#60
Dibromochloromethane
Concen: 55.894 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion: 129 Resp: 156381
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.5





#61

1,2-Dibromoethane

Concen: 52.158 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 153343

Ion Ratio Lower Upper

107 100

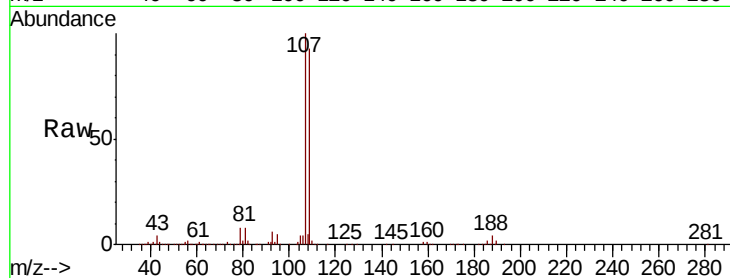
109 94.7 75.7 113.5

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

120000

100000

80000

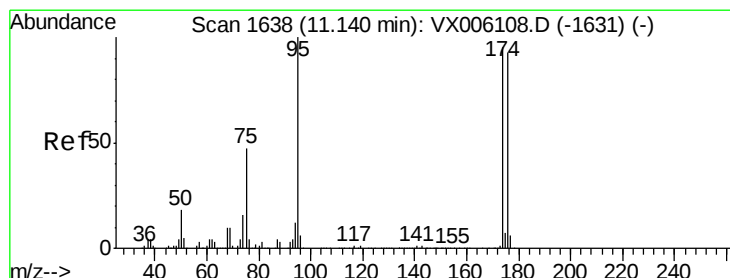
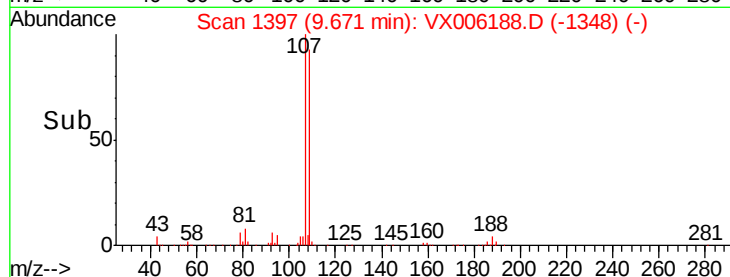
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.319 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

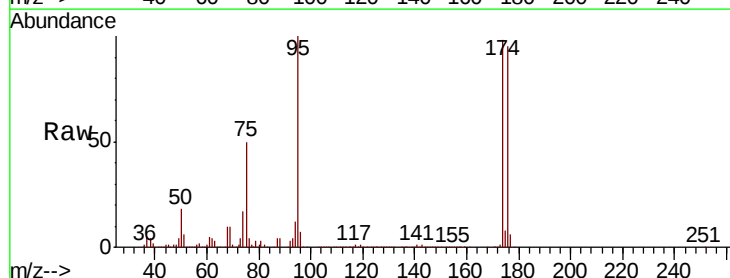
Tgt Ion: 95 Resp: 187379

Ion Ratio Lower Upper

95 100

174 91.7 0.0 184.4

176 89.0 0.0 179.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

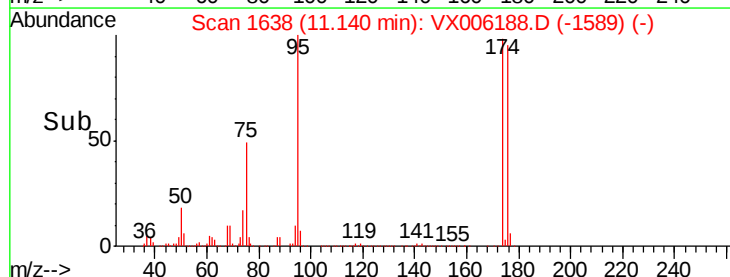
150000

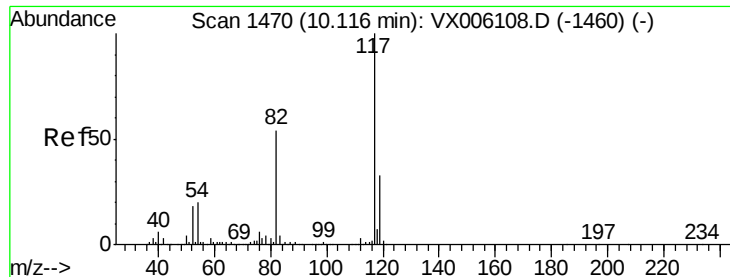
100000

50000

0

Time-->





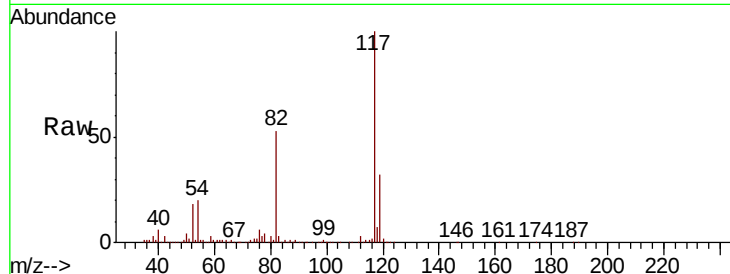
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.0	64.4
119	31.9	26.1	39.1

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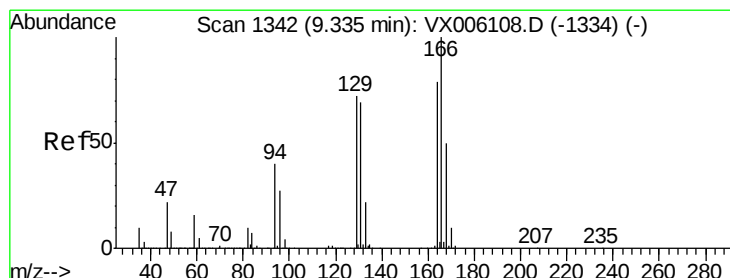
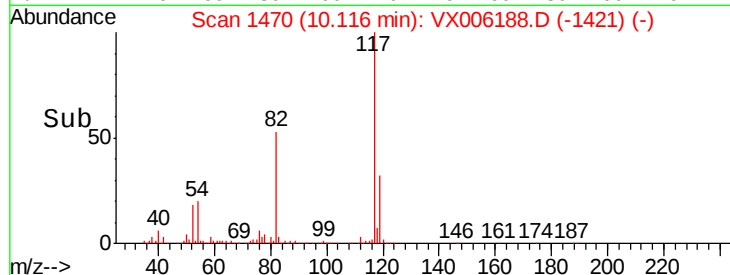
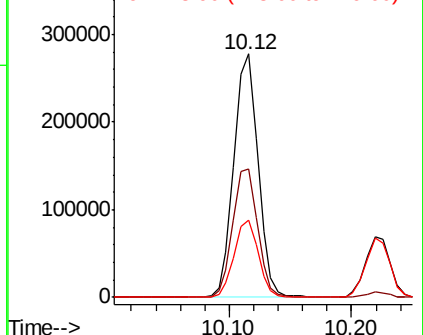


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.054 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.5	152.3
129	88.6	73.4	110.0
131	83.0	70.2	105.4

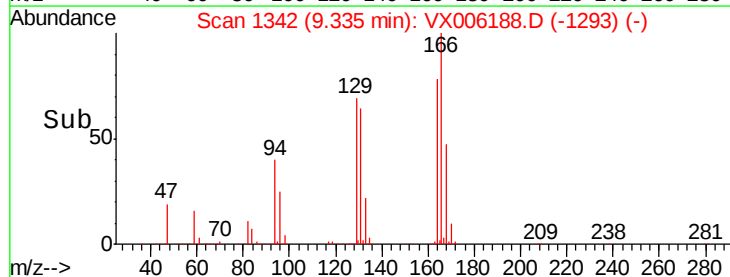
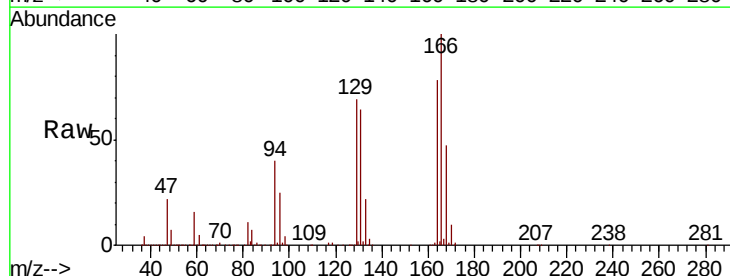
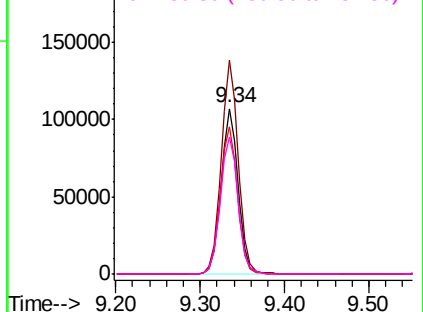
Abundance

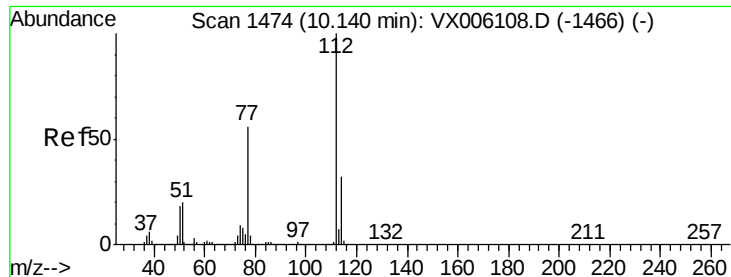
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





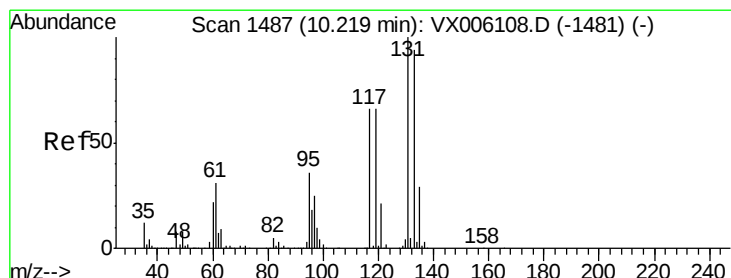
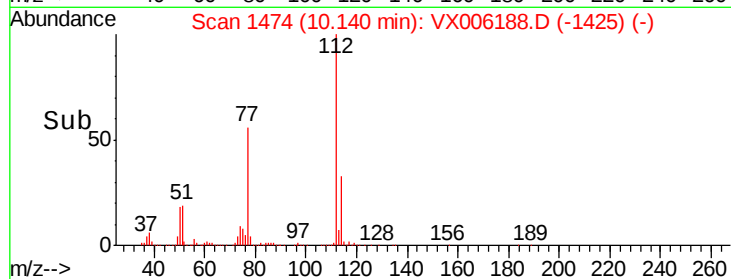
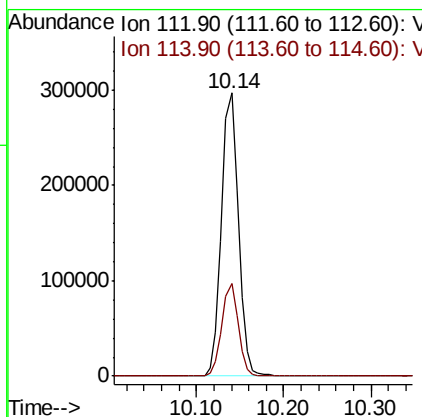
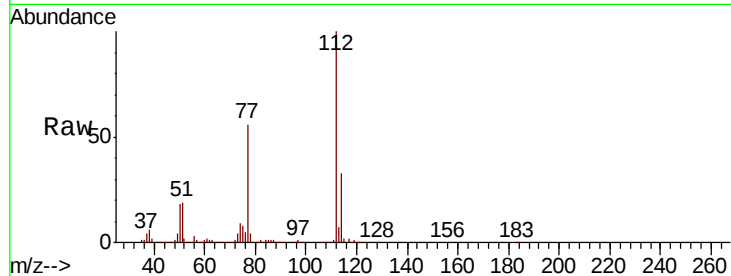
#65
Chlorobenzene
Concen: 51.156 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.6	38.4

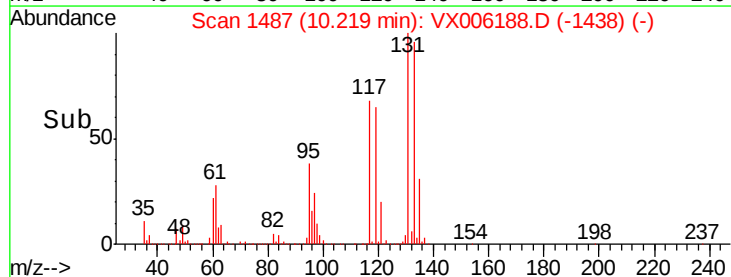
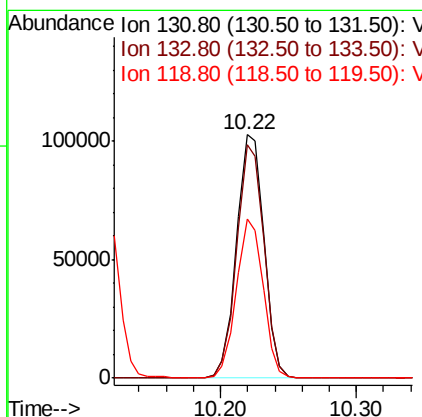
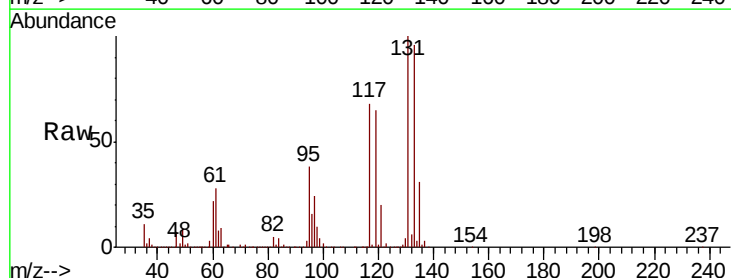
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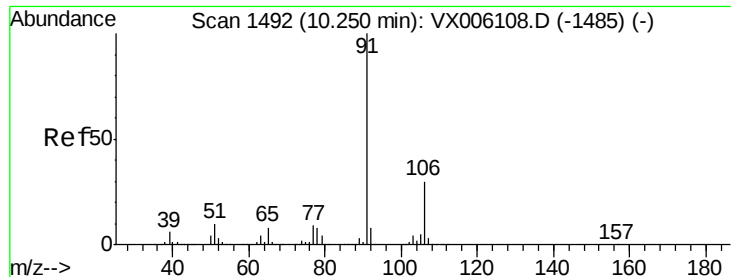
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.058 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.0	144.2
119	64.1	32.6	97.8





#67

Ethyl Benzene

Concen: 53.265 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 677497

Ion Ratio Lower Upper

91 100

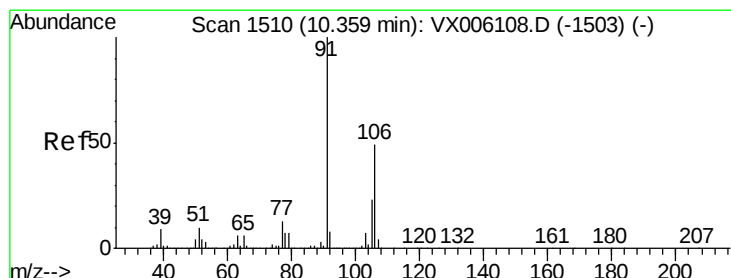
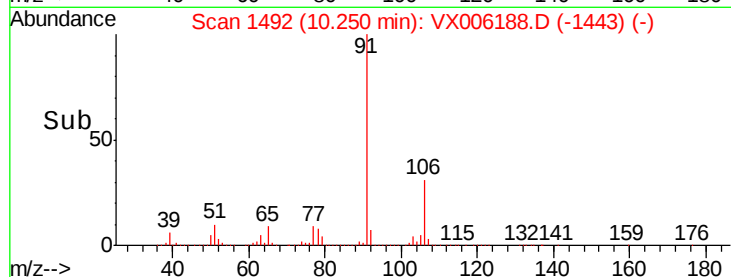
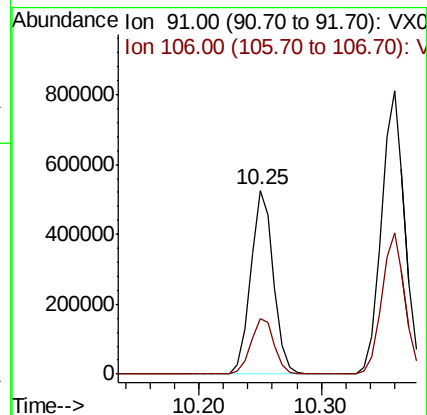
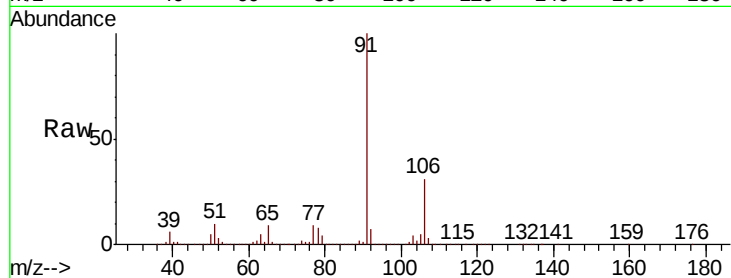
106 30.6 24.4 36.6

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#68

m/p-Xylenes

Concen: 107.321 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX006188.D

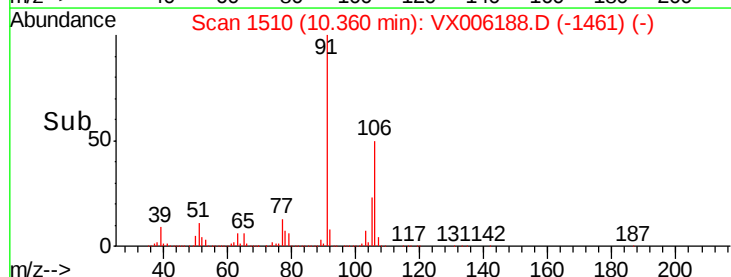
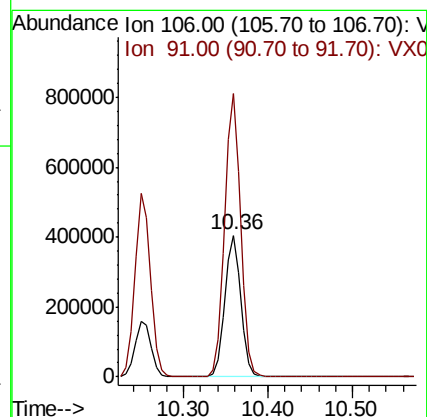
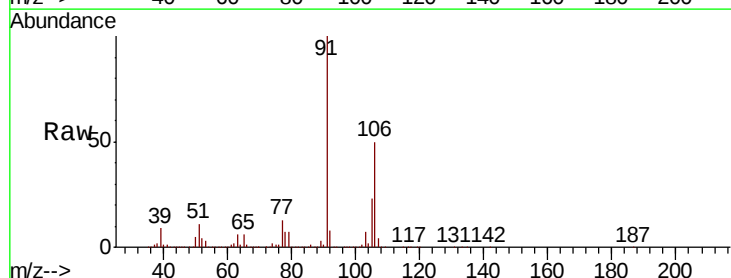
Acq: 26 Nov 2018 20:58

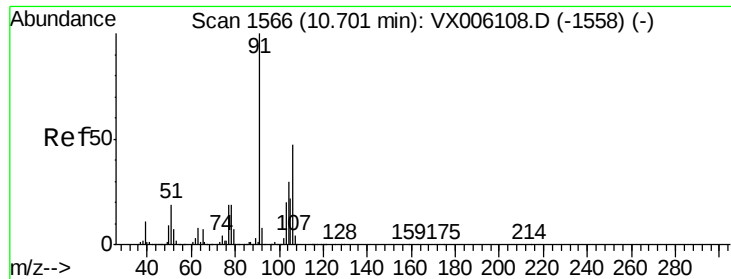
Tgt Ion: 106 Resp: 531549

Ion Ratio Lower Upper

106 100

91 201.3 162.0 243.0





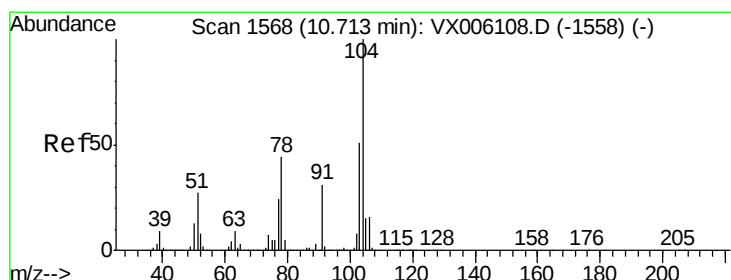
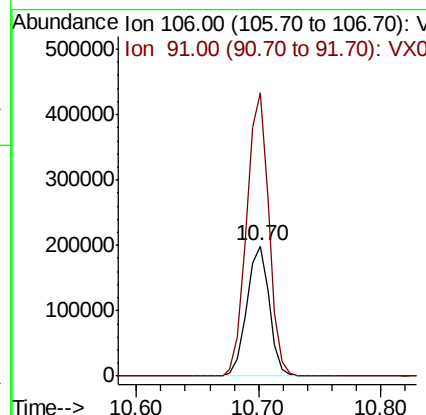
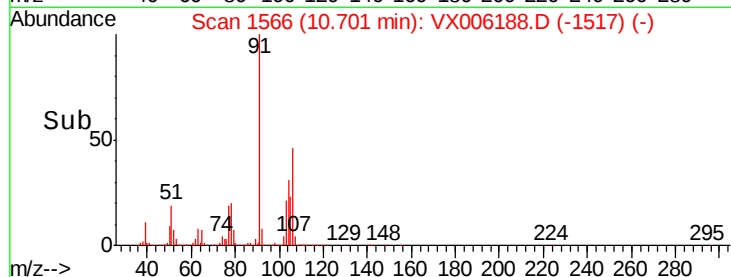
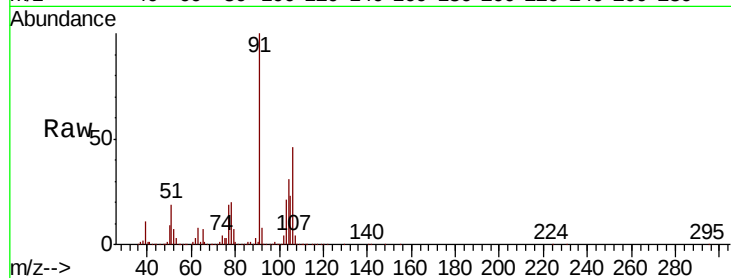
#69
o-Xylene
Concen: 53.264 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.9	107.4	322.2

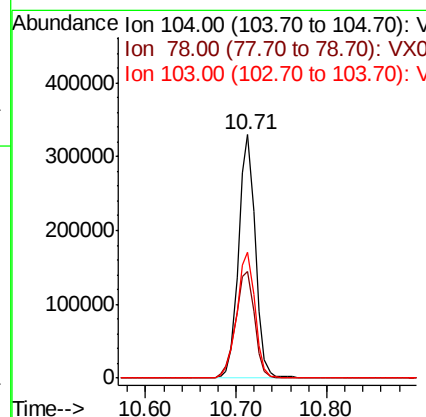
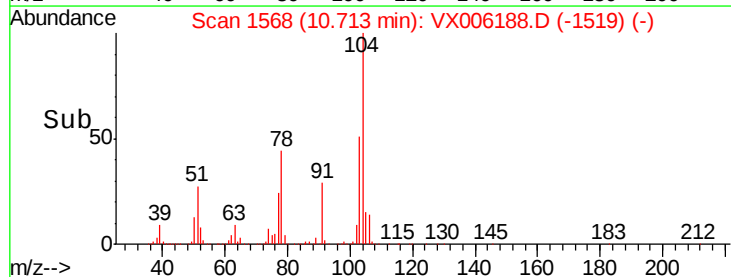
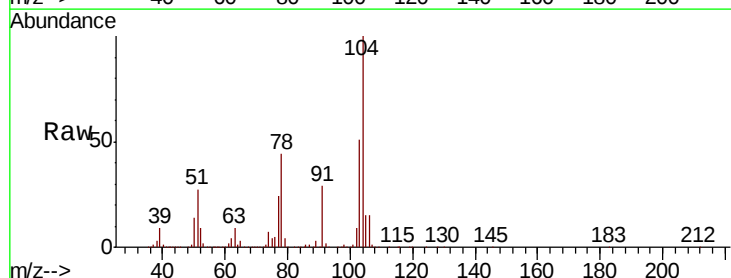
Manual Integrations
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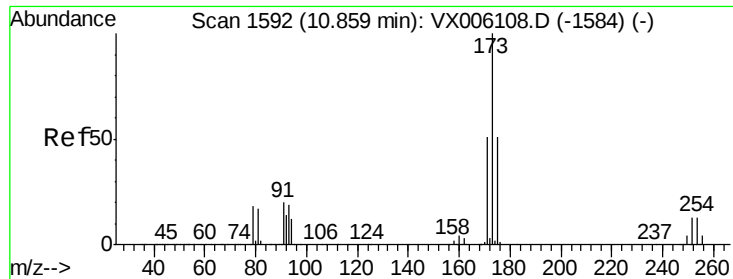
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11/27/2018 11:43:36 AM



#70
Styrene
Concen: 54.731 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.1	39.4	59.2
103	56.3	44.6	67.0





#71

Bromoform

Concen: 54.106 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

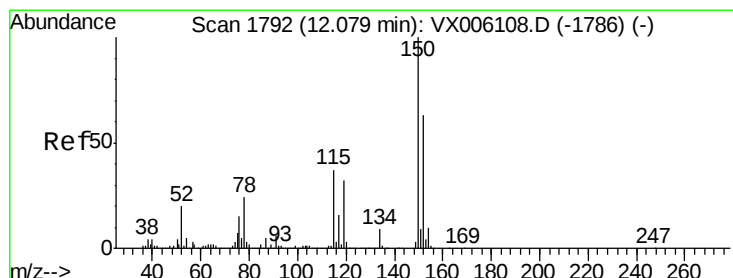
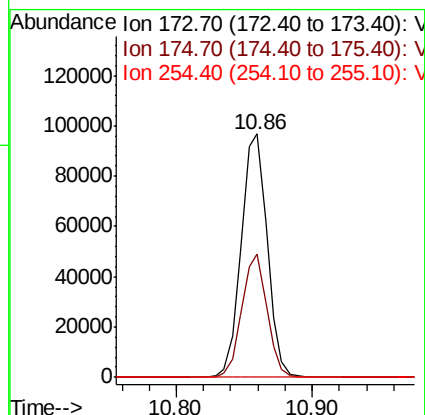
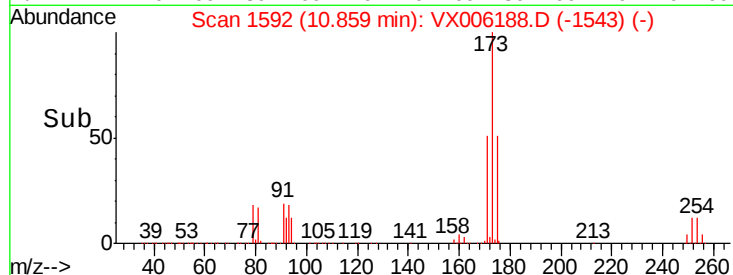
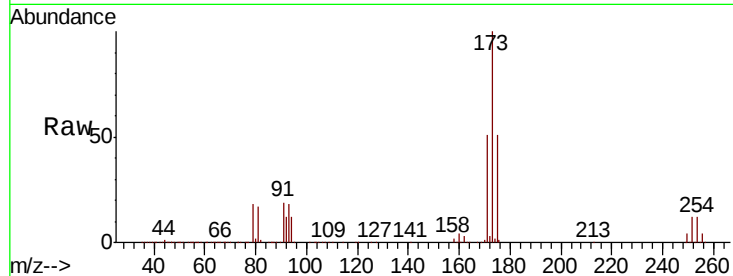
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	129165
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.9	74.6
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

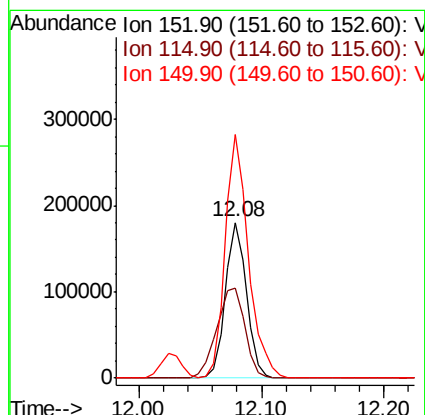
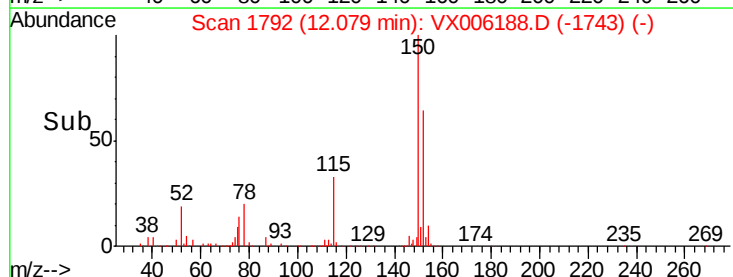
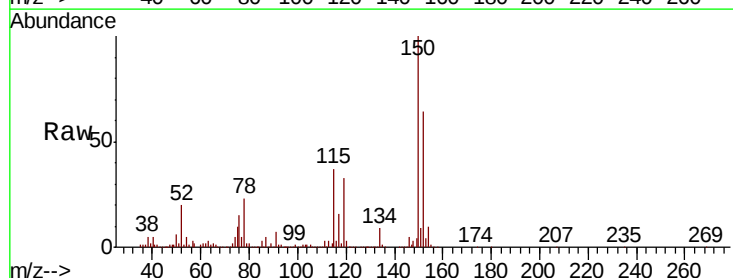
RT: 12.08 min Scan# 1792

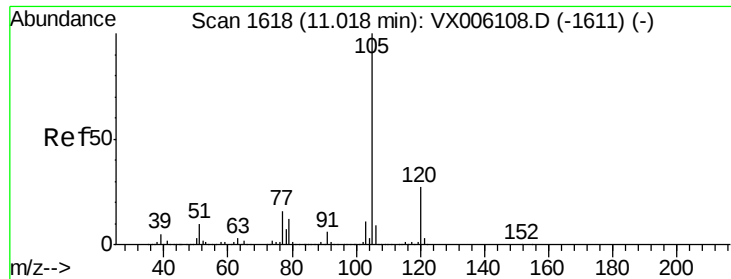
Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tgt Ion:	152	Resp:	214788
Ion Ratio	Lower	Upper	
152	100		
115	77.7	39.0	116.9
150	172.5	0.0	346.6





#73

Isopropylbenzene

Concen: 53.371 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 693606

Ion Ratio Lower Upper

105 100

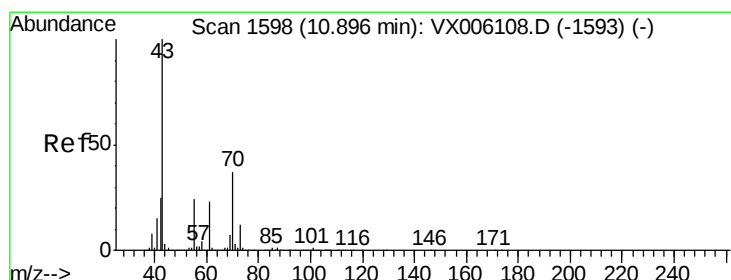
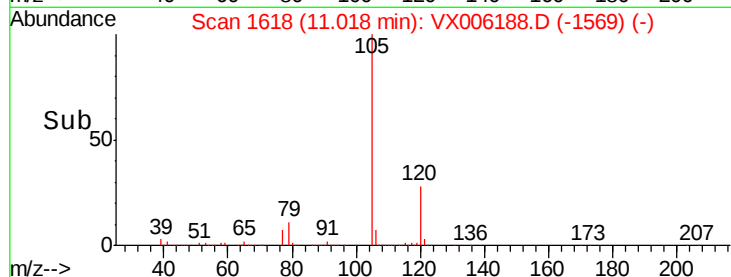
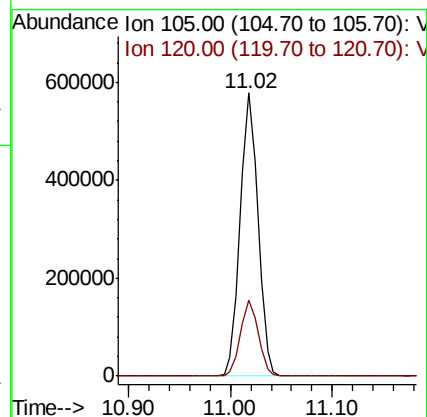
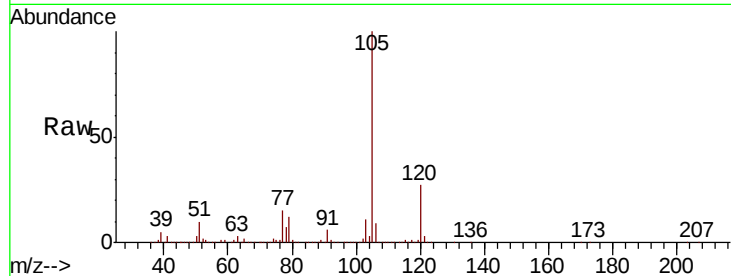
120 26.9 13.3 39.8

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#74

N-ethyl acetate

Concen: 50.675 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tgt Ion: 43 Resp: 335896

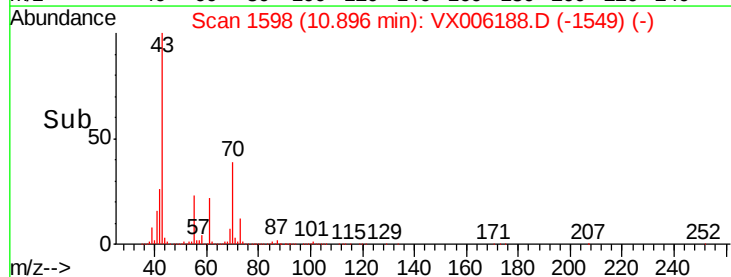
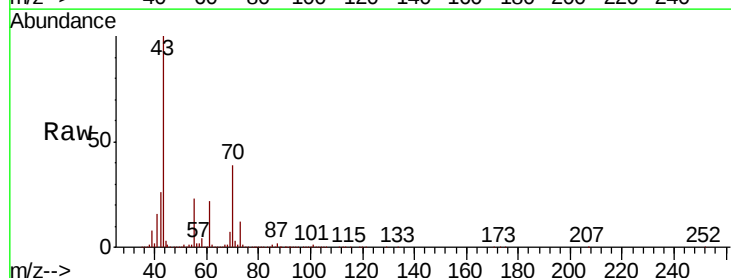
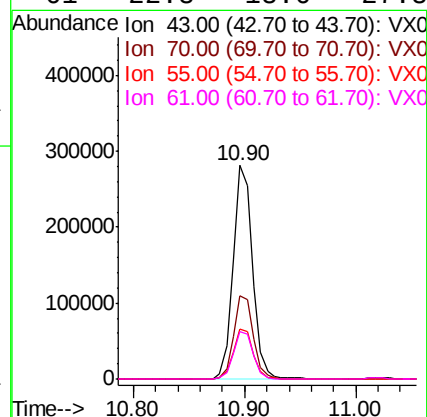
Ion Ratio Lower Upper

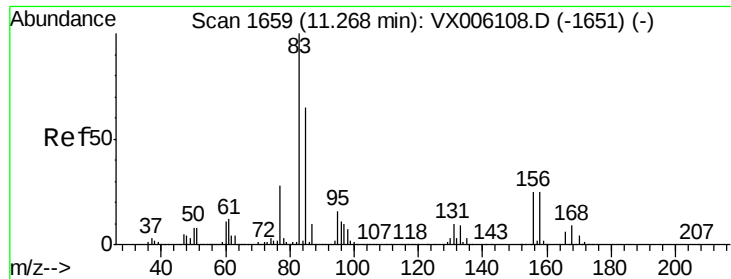
43 100

70 39.5 31.8 47.6

55 24.2 19.5 29.3

61 22.8 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 50.042 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 245084

Ion Ratio Lower Upper

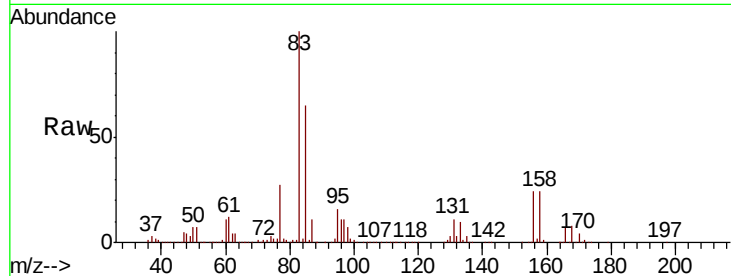
83 100

131 10.5 5.2 15.6

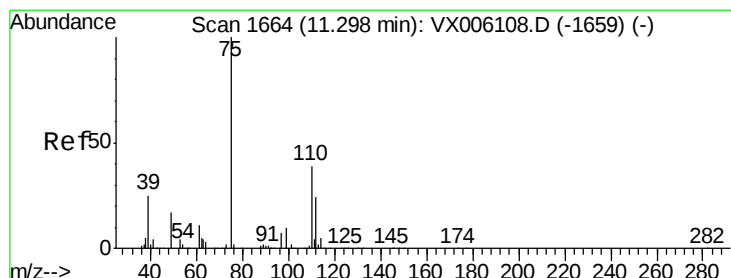
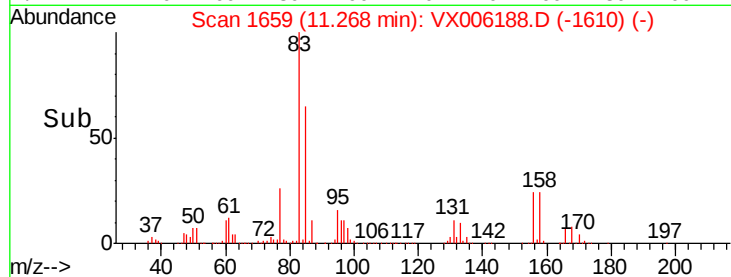
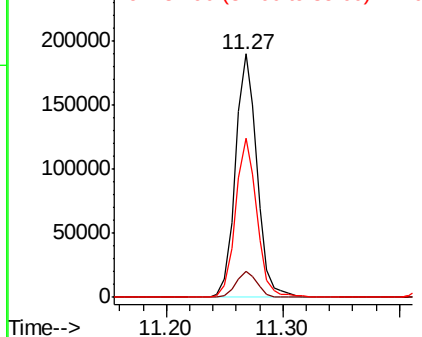
85 64.7 32.6 97.8

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



#76

1,2,3-Trichloropropane

Concen: 53.047 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX006188.D

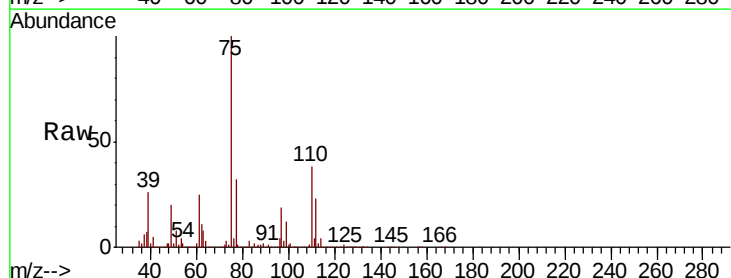
Acq: 26 Nov 2018 20:58

Tgt Ion: 75 Resp: 234576

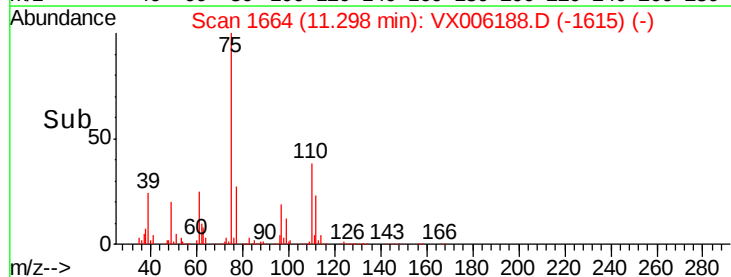
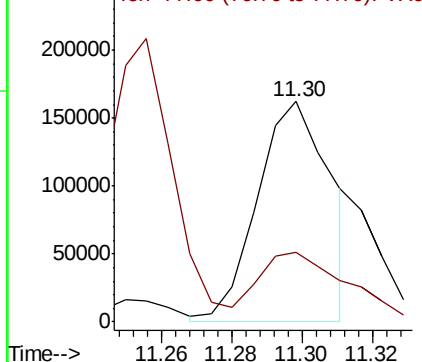
Ion Ratio Lower Upper

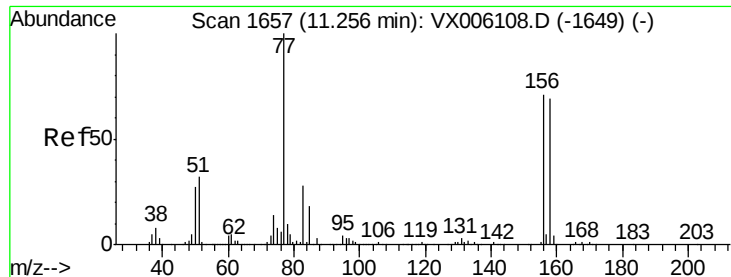
75 100

77 38.4 19.6 58.7



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





#77

Bromobenzene

Concen: 50.206 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 182780

Ion Ratio Lower Upper

156 100

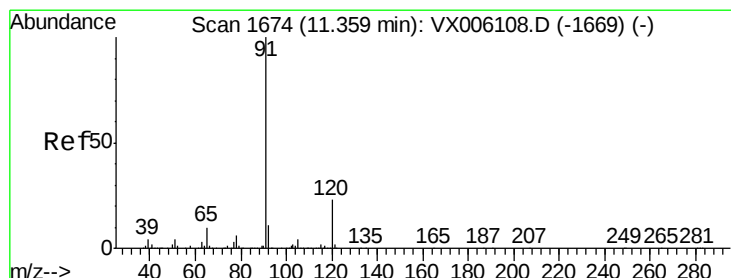
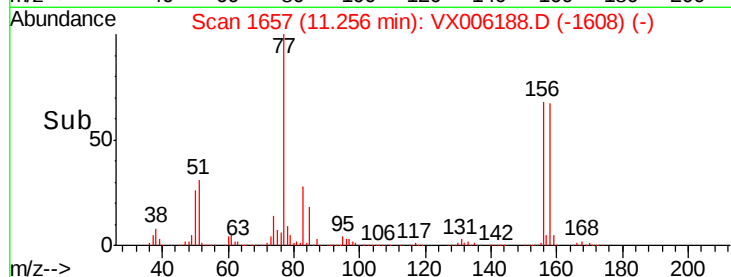
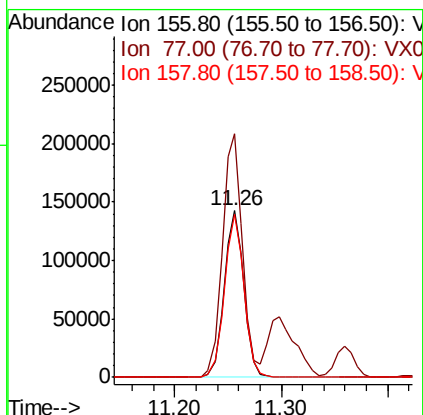
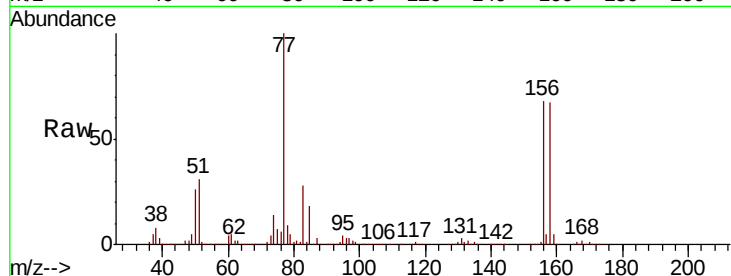
77 149.1 74.3 222.8

158 97.9 49.0 147.0

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#78

n-propylbenzene

Concen: 53.262 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006188.D

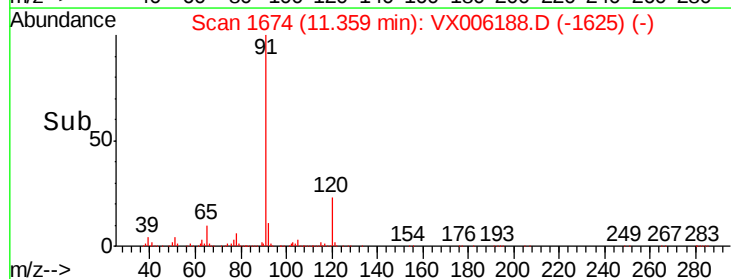
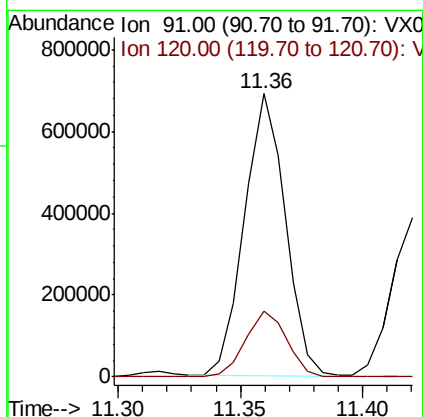
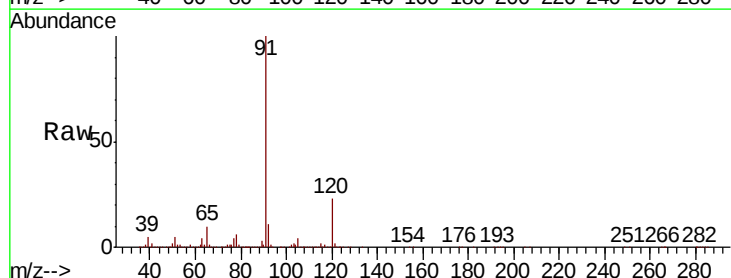
Acq: 26 Nov 2018 20:58

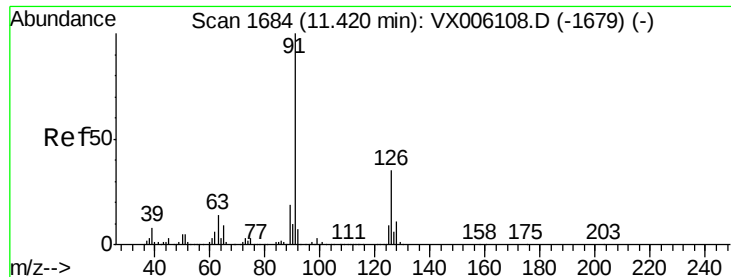
Tgt Ion: 91 Resp: 806101

Ion Ratio Lower Upper

91 100

120 23.6 11.8 35.3





#79

2-Chlorotoluene

Concen: 52.173 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 477707

Ion Ratio Lower Upper

91 100

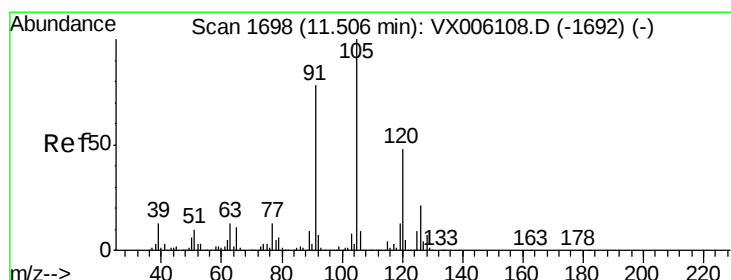
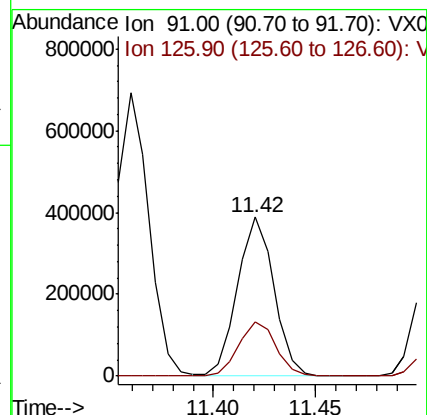
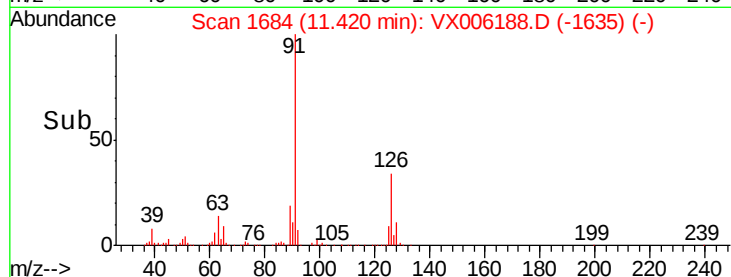
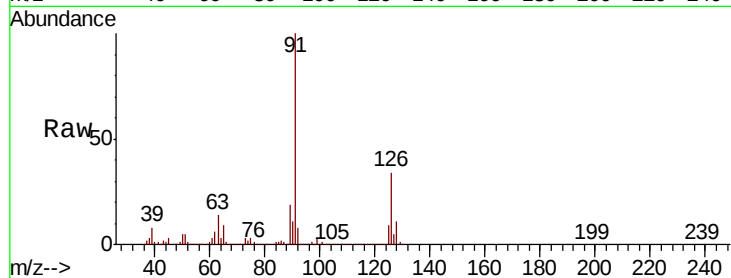
126 35.0 17.6 52.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.673 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX006188.D

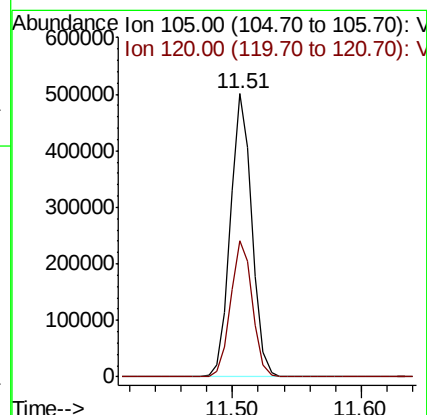
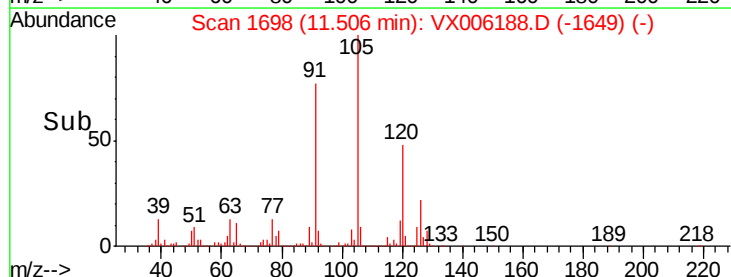
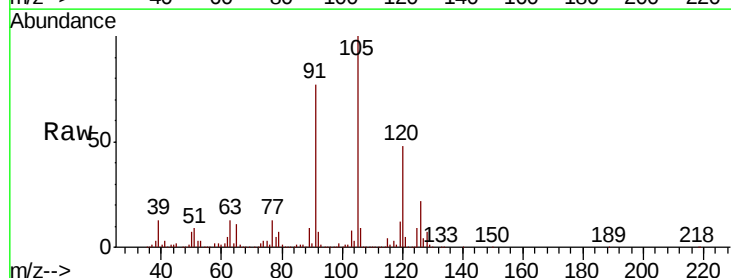
Acq: 26 Nov 2018 20:58

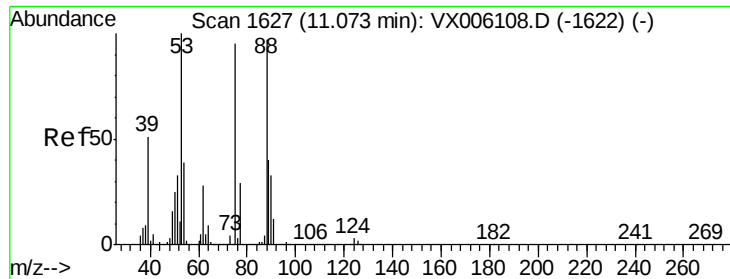
Tgt Ion: 105 Resp: 588101

Ion Ratio Lower Upper

105 100

120 48.8 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.645 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

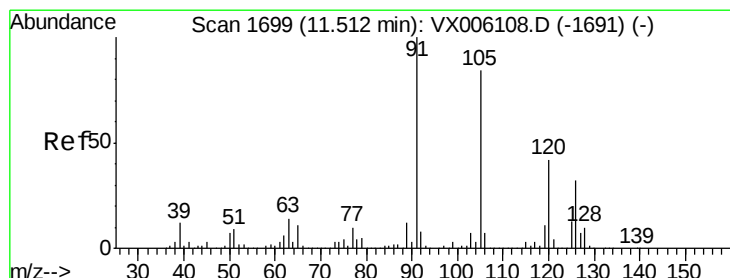
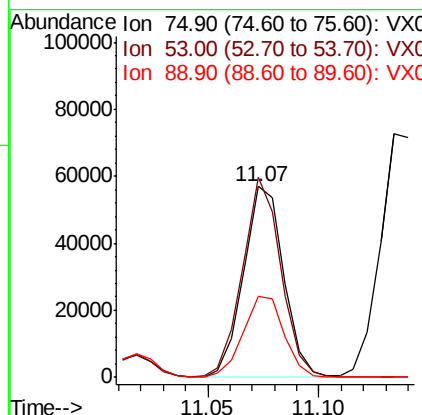
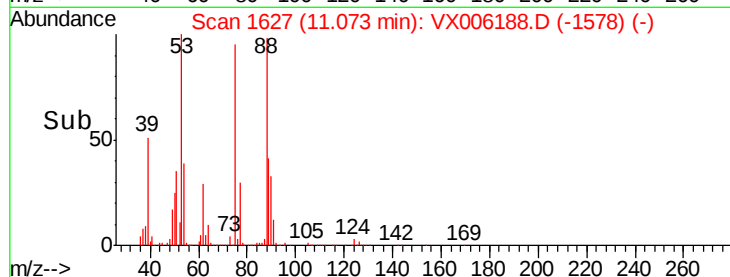
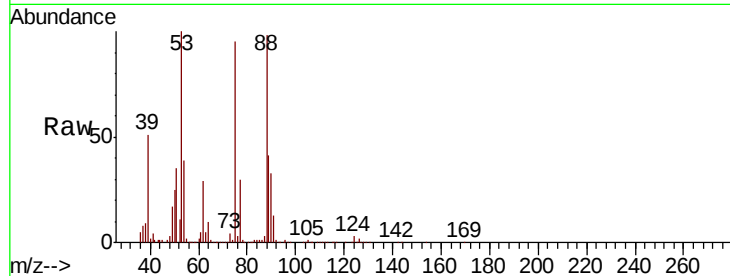
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	71444
Ion	Ratio	Lower	Upper
75	100		
53	100.3	85.3	127.9
89	44.1	37.2	55.8

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#82

4-Chlorotoluene

Concen: 52.794 ug/l

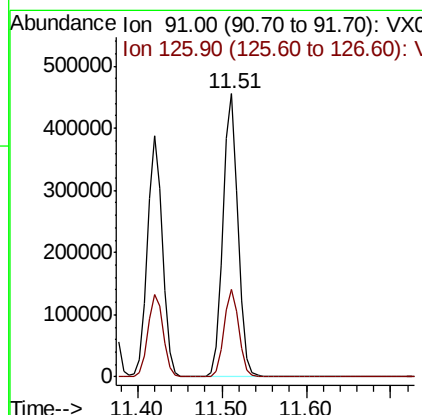
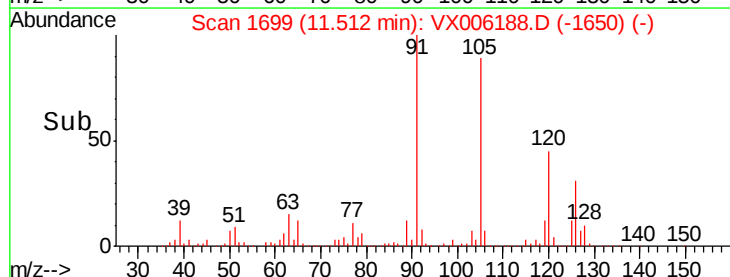
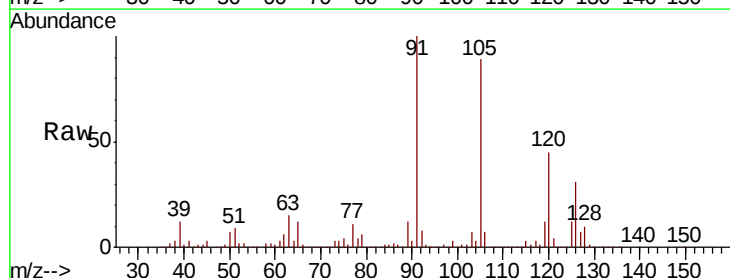
RT: 11.51 min Scan# 1699

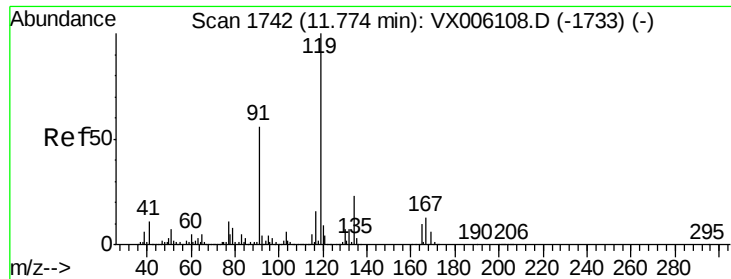
Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Tgt Ion:	91	Resp:	564123
Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.3	45.9





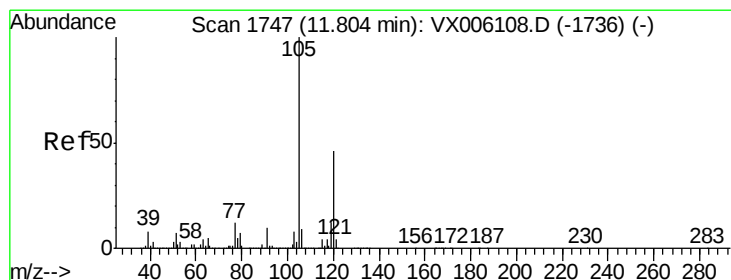
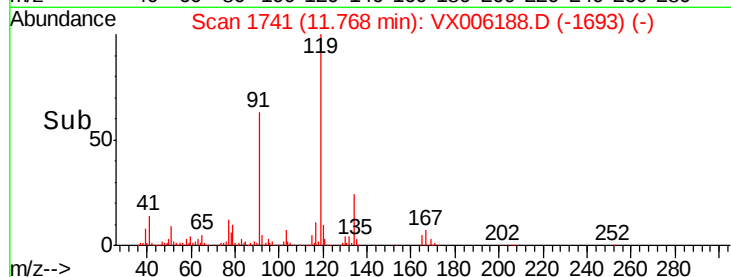
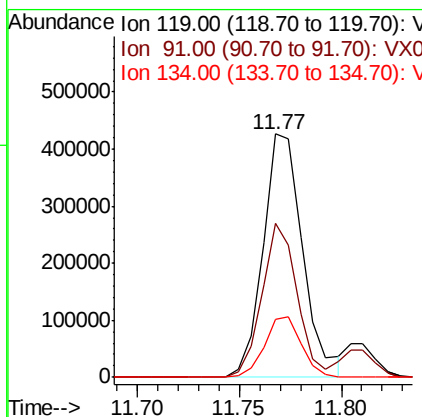
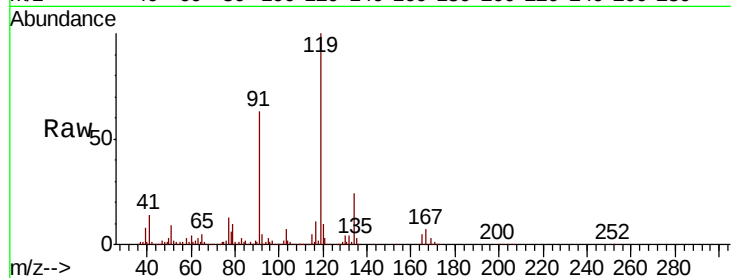
#83
tert-Butylbenzene
Concen: 54.054 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.0	28.2	84.6
134	23.2	11.5	34.4

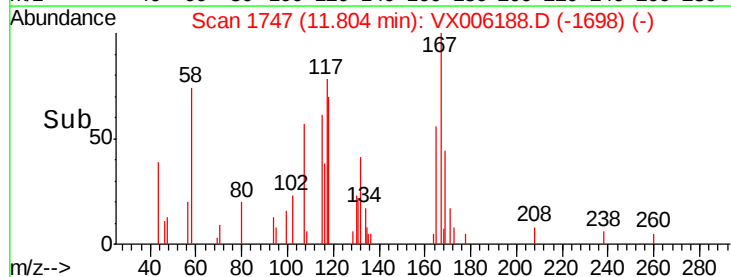
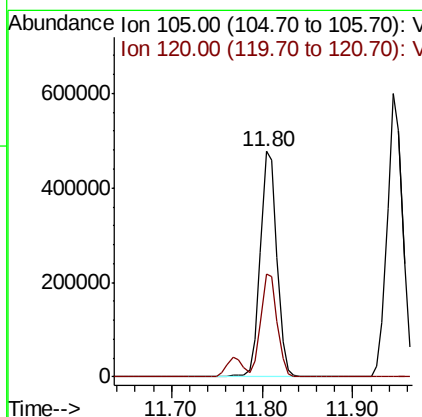
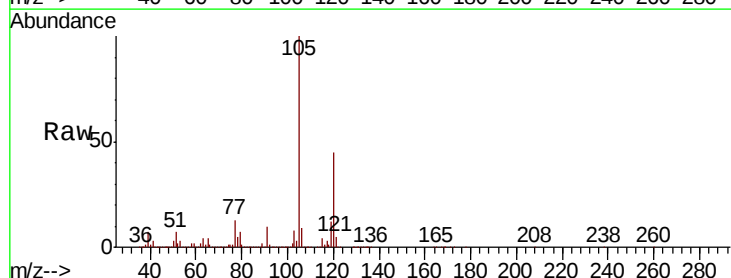
Manual Integrations
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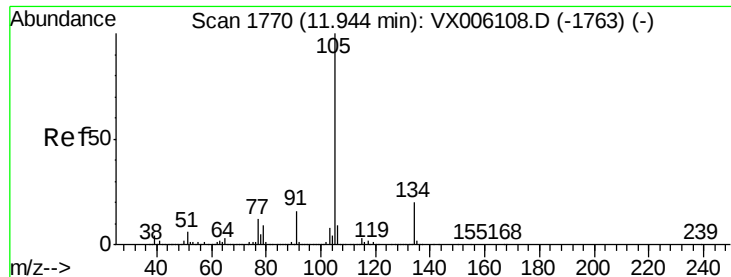
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.188 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.7	68.0





#85

sec-Butylbenzene

Concen: 53.953 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 705920

Ion Ratio Lower Upper

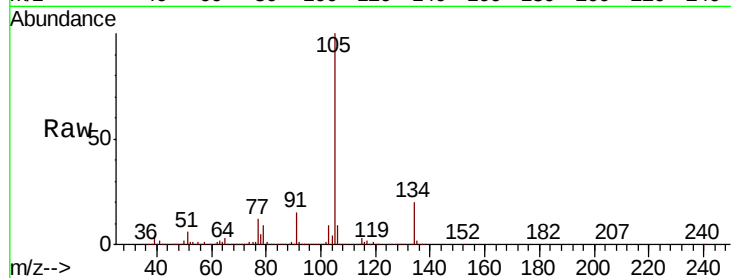
105 100

134 20.6 10.4 31.1

Manual Integrations
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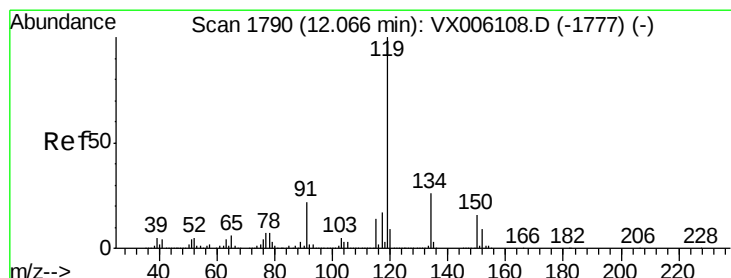
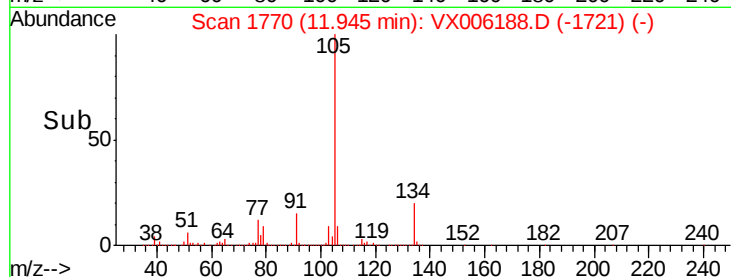
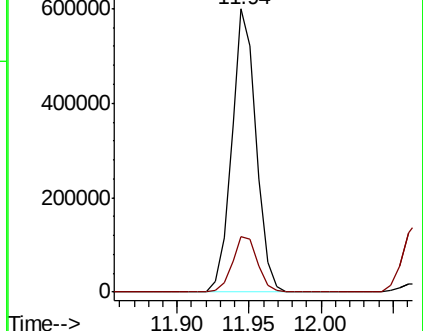
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.242 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX006188.D

Acq: 26 Nov 2018 20:58

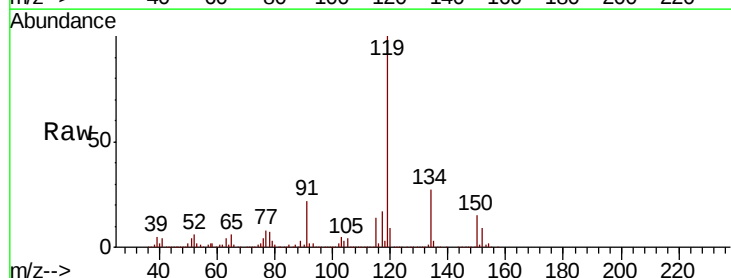
Tgt Ion:119 Resp: 632759

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

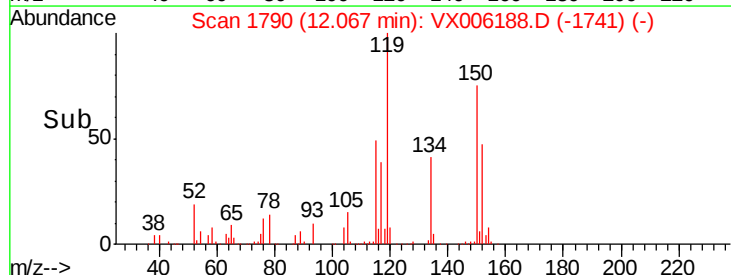
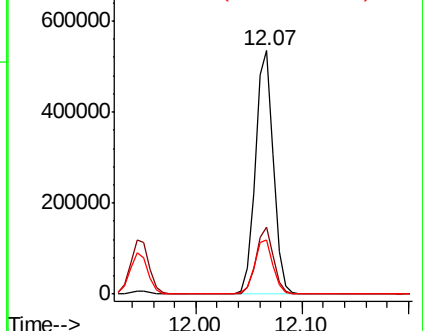
91 22.9 11.3 33.9

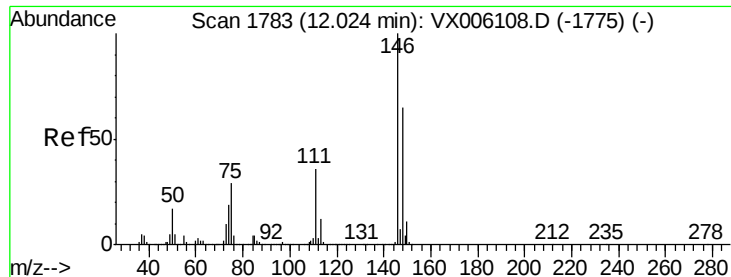


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





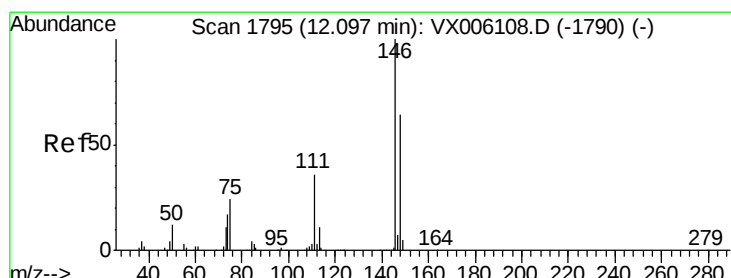
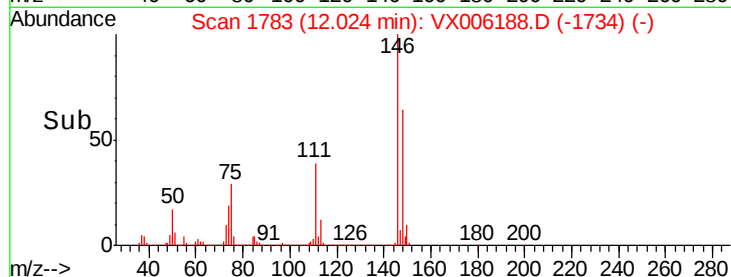
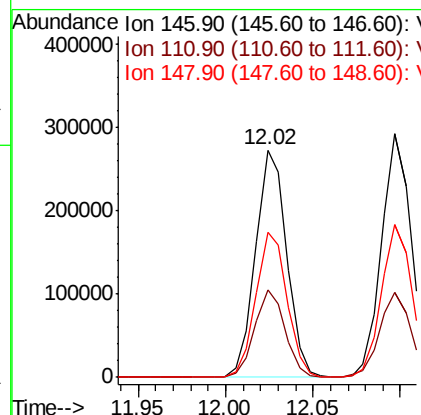
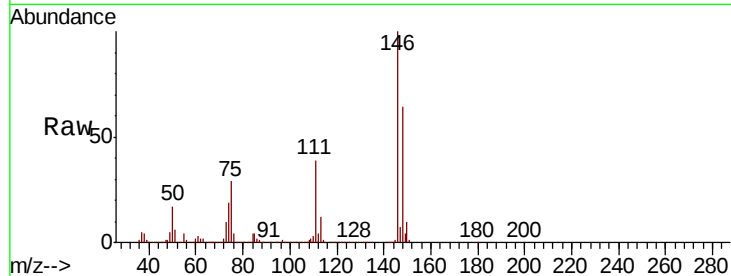
#87
 1,3-Dichlorobenzene
 Concen: 50.278 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.3
148	64.0	32.2	96.6

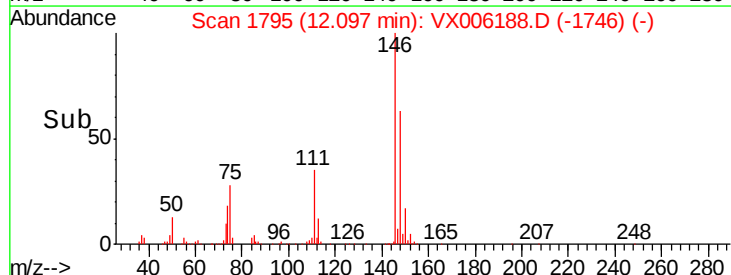
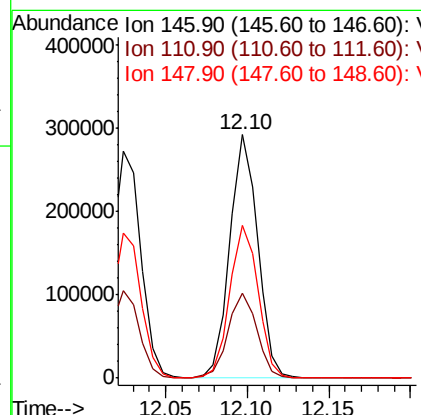
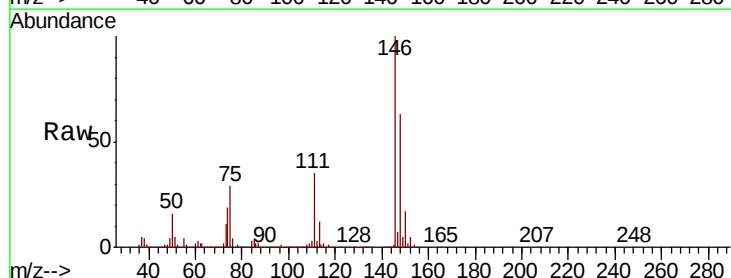
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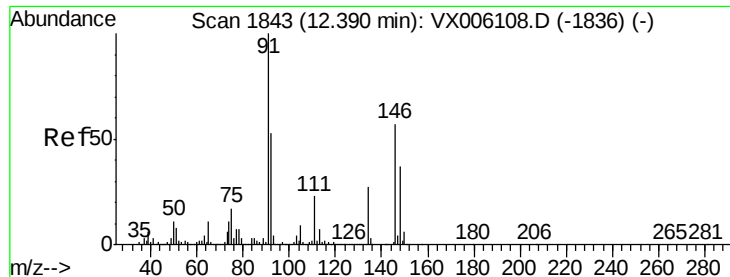
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#88
 1,4-Dichlorobenzene
 Concen: 49.876 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.3	54.9
148	63.8	32.2	96.6





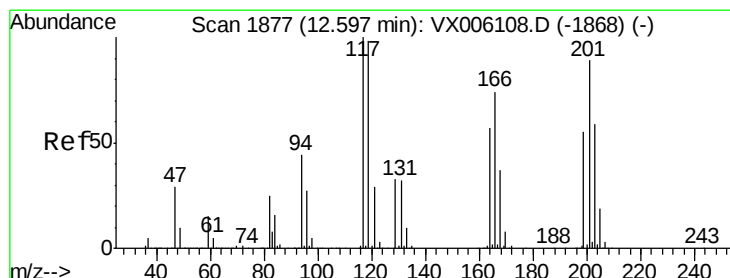
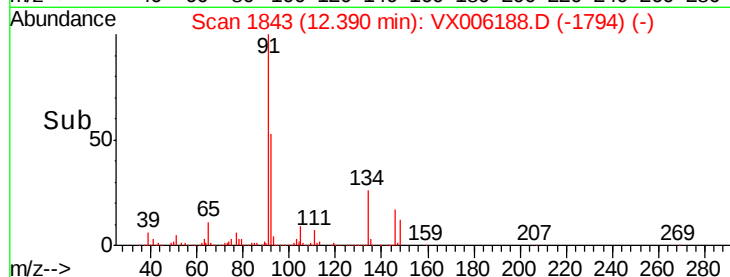
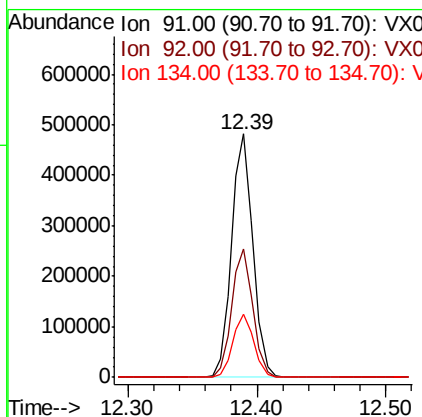
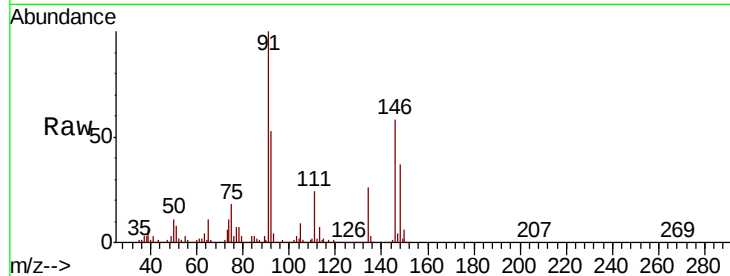
#89
n-Butylbenzene
Concen: 52.827 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.6	79.7
134	25.9	13.1	39.3

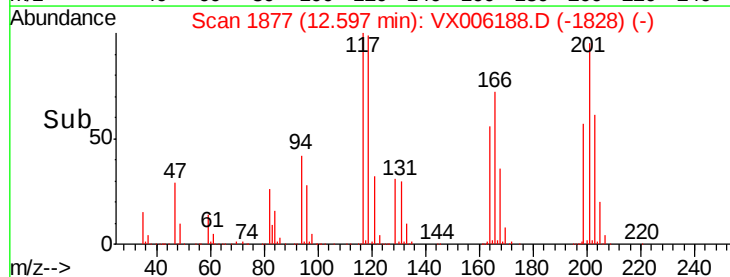
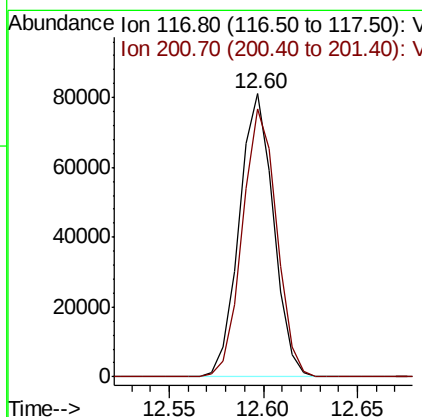
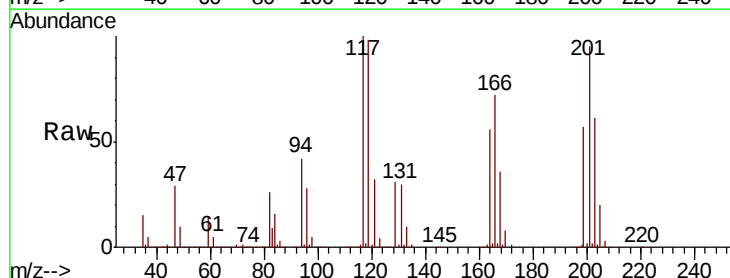
Manual Integrations
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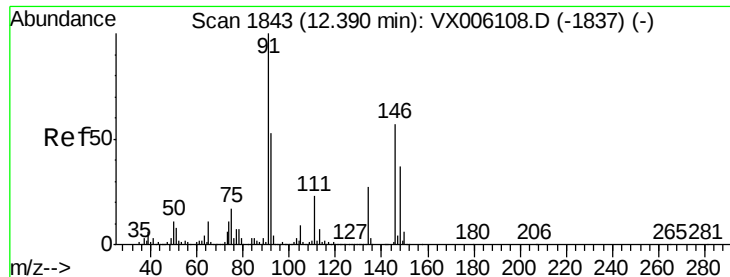
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#90
Hexachloroethane
Concen: 54.994 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.6	46.1	138.2





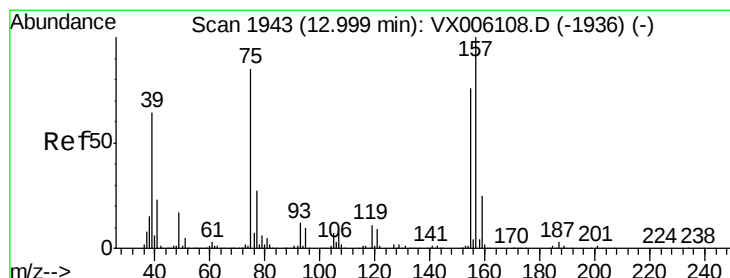
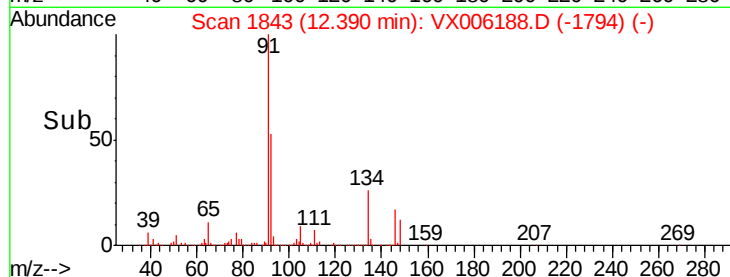
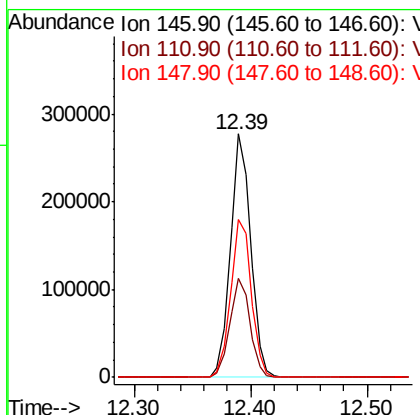
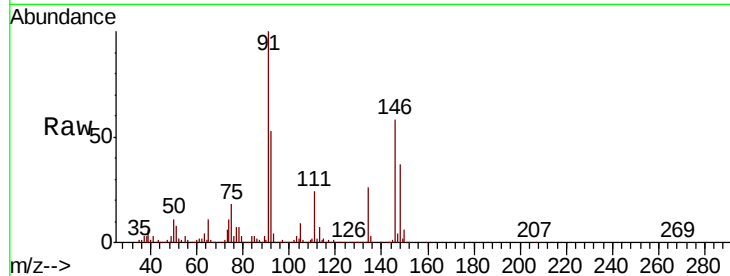
#91
 1,2-Dichlorobenzene
 Concen: 48.951 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.6	19.6	58.8	
148	66.1	32.0	96.0	

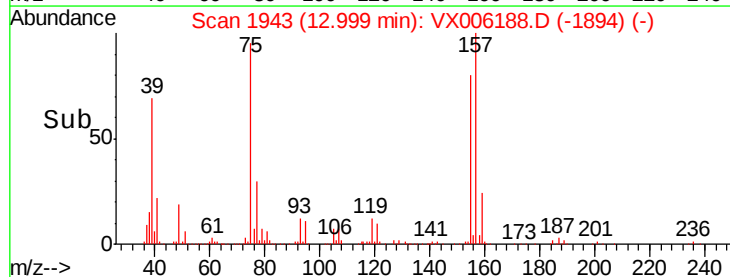
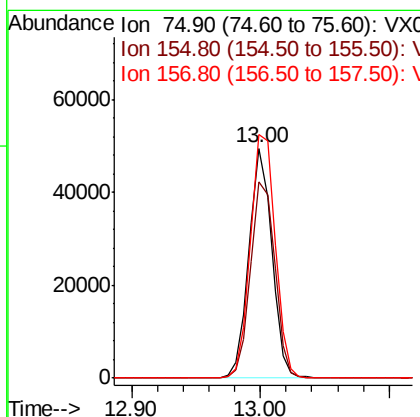
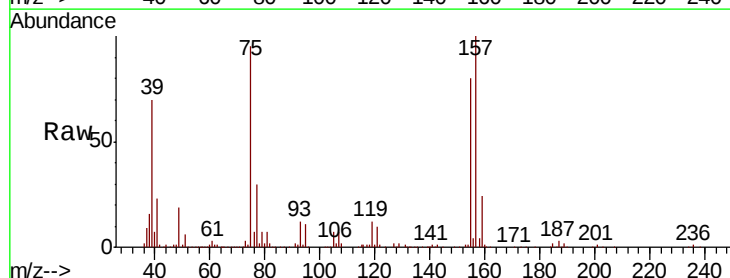
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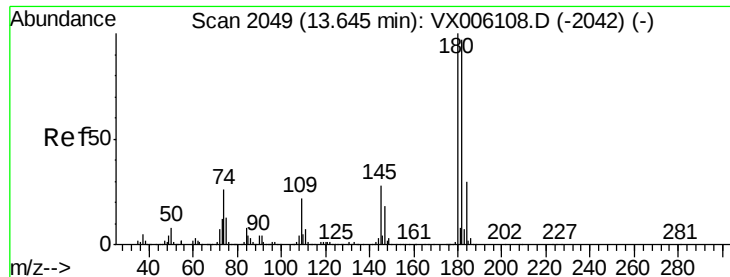
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 11/27/2018 11:43:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.242 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX006188.D
 Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	90.7	46.1	138.3	
157	114.5	59.8	179.3	





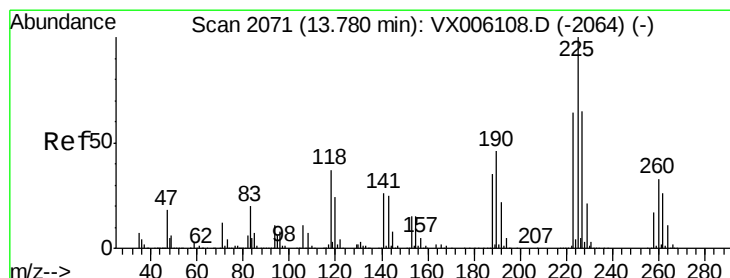
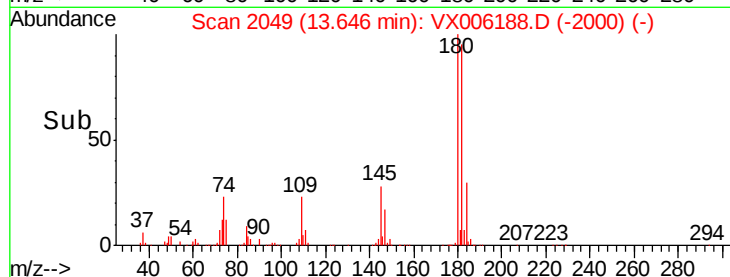
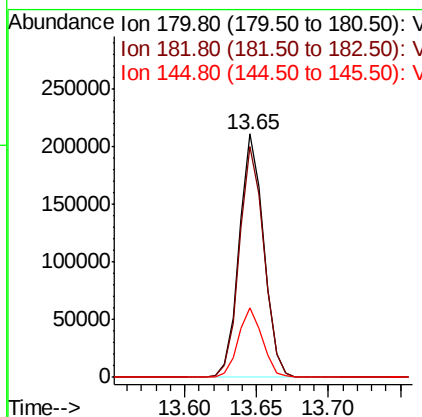
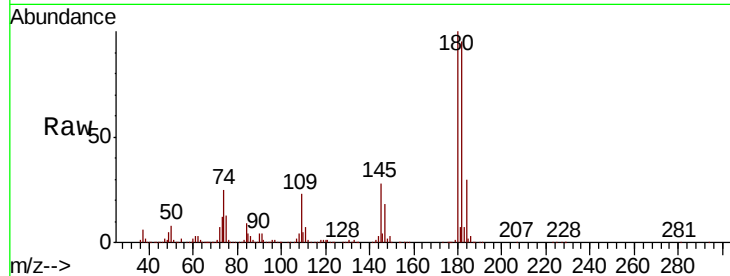
#93
1,2,4-Trichlorobenzene
Concen: 51.442 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248696		
182	95.3	48.2	144.6	
145	28.2	14.1	42.2	

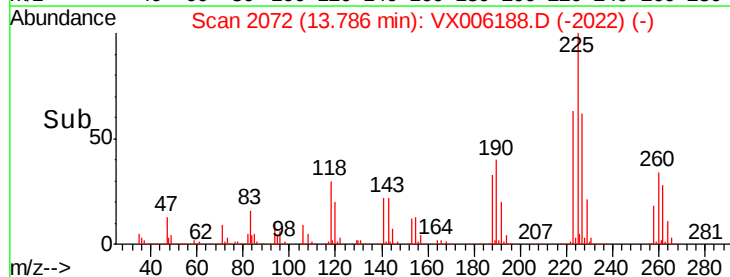
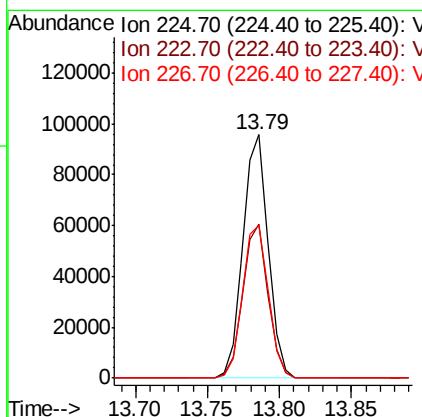
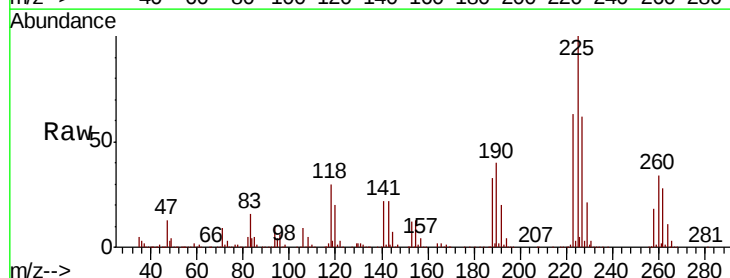
Manual Integrations
APPROVED

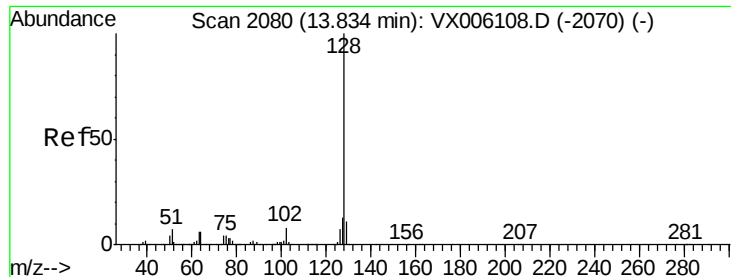
MMDadoda
11/27/2018 11:43:36 AM



#94
Hexachlorobutadiene
Concen: 49.188 ug/l
RT: 13.79 min Scan# 2072
Delta R.T. 0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115896		
223	63.0	31.2	93.6	
227	64.0	32.4	97.2	





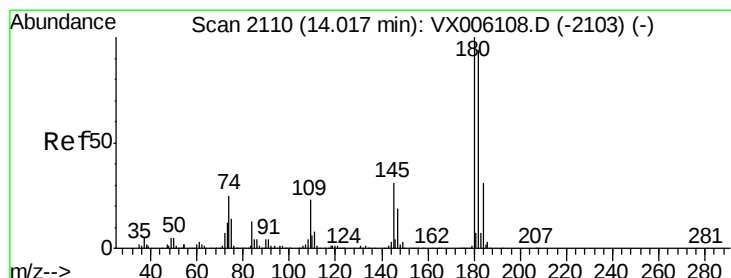
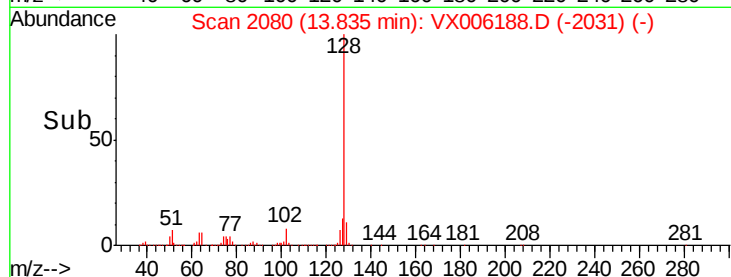
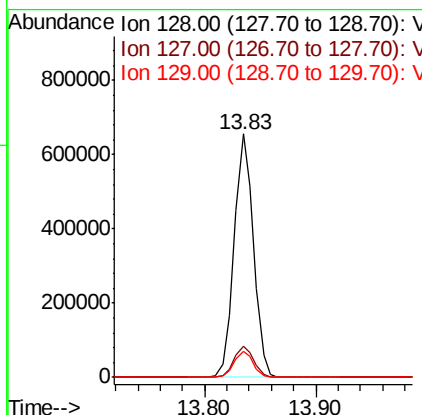
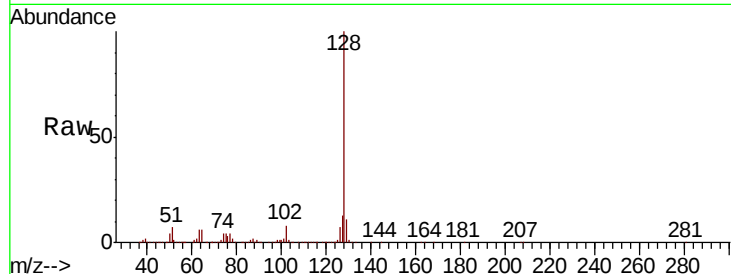
#95
Naphthalene
Concen: 55.174 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
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11/27/2018 11:43:36 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.656 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.01 min
Lab File: VX006188.D
Acq: 26 Nov 2018 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	29.6	15.0	45.0

