

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022119\
 Data File : VX007621.D
 Acq On : 21 Feb 2019 10:46
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 10:40:17 AM

Quant Time: Feb 22 04:45:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	531921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	762581	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	661612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	353715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	258929	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
35) Dibromofluoromethane	5.50	113	246047	49.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.18%	
50) Toluene-d8	8.71	98	856094	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
62) 4-Bromofluorobenzene	11.13	95	306259	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	271077	41.502	ug/l	98
3) Chloromethane	1.33	50	226728	37.843	ug/l	97
4) Vinyl Chloride	1.42	62	257459	43.803	ug/l	100
5) Bromomethane	1.64	94	229025	39.302	ug/l	100
6) Chloroethane	1.72	64	164007	43.134	ug/l	97
7) Trichlorofluoromethane	1.93	101	409870	44.577	ug/l	98
8) Diethyl Ether	2.20	74	155818	45.024	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.39	101	246315	45.036	ug/l	99
10) Methyl Iodide	2.51	142	329609	40.967	ug/l	100
11) Tert butyl alcohol	3.07	59	264744	226.582	ug/l	99
12) 1,1-Dichloroethene	2.38	96	214306	42.196	ug/l	95
13) Acrolein	2.30	56	151184	275.931	ug/l	98
14) Allyl chloride	2.73	41	368063	44.478	ug/l	98
15) Acrylonitrile	3.15	53	654857	226.559	ug/l	99
16) Acetone	2.45	43	621445	240.289	ug/l	97
17) Carbon Disulfide	2.57	76	504543	38.500	ug/l	100
18) Methyl Acetate	2.78	43	367977	54.554	ug/l	98
19) Methyl tert-butyl Ether	3.21	73	751555	45.677	ug/l	97
20) Methylene Chloride	2.86	84	237389	44.898	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	228520	42.239	ug/l	95
22) Diisopropyl ether	3.87	45	726756	47.745	ug/l	98
23) Vinyl Acetate	3.82	43	3086385	244.343	ug/l	99
24) 1,1-Dichloroethane	3.70	63	412331	47.170	ug/l	99
25) 2-Butanone	4.70	43	914279	248.409	ug/l	98
26) 2,2-Dichloropropane	4.59	77	352386	52.934	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	277630	46.982	ug/l	99
28) Bromochloromethane	5.03	49	178929	44.511	ug/l	97
29) Tetrahydrofuran	5.15	42	576883	249.215	ug/l	98
30) Chloroform	5.21	83	447118	49.017	ug/l	99
31) Cyclohexane	5.58	56	347471	44.258	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	389070	50.531	ug/l	99
36) 1,1-Dichloropropene	5.80	75	311991	45.598	ug/l	98
37) Ethyl Acetate	4.85	43	331034	47.861	ug/l	98
38) Carbon Tetrachloride	5.78	117	353493	53.253	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	389463	47.046	ug/l	97
40) Benzene	6.14	78	965037	47.881	ug/l	97
41) Methacrylonitrile	5.06	41	188034	50.725	ug/l	98
42) 1,2-Dichloroethane	6.20	62	326576	46.831	ug/l	98
43) Isopropyl Acetate	6.46	43	535844	50.192	ug/l	99
44) Trichloroethene	7.21	130	289075	47.622	ug/l	100
45) 1,2-Dichloropropane	7.51	63	248191	49.148	ug/l	97
46) Dibromomethane	7.66	93	176298	48.034	ug/l	99
47) Bromodichloromethane	7.90	83	328767	52.854	ug/l	98
48) Methyl methacrylate	7.77	41	271151	50.777	ug/l	98
49) 1,4-Dioxane	7.75	88	117036	963.969	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	1795790	255.521	ug/l	100
52) Toluene	8.78	92	604939	46.520	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	365128	54.647	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	399356	54.351	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	264785	48.849	ug/l	96
56) Ethyl methacrylate	9.18	69	376040	50.088	ug/l	100
57) 1,3-Dichloropropane	9.37	76	418147	48.508	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1269286	320.764	ug/l	99
59) 2-Hexanone	9.49	43	1381262	252.565	ug/l	99
60) Dibromochloromethane	9.59	129	292536	57.063	ug/l	98
61) 1,2-Dibromoethane	9.67	107	279965	48.771	ug/l	99
64) Tetrachloroethene	9.34	164	293466	47.061	ug/l	98
65) Chlorobenzene	10.14	112	702858	48.682	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	274753	56.761	ug/l	99
67) Ethyl Benzene	10.25	91	1165472	50.128	ug/l	99
68) m/p-Xylenes	10.36	106	916150	99.127	ug/l	100
69) o-Xylene	10.70	106	444462	49.977	ug/l	99
70) Styrene	10.71	104	735796	51.016	ug/l	100
71) Bromoform	10.86	173	223857	52.508	ug/l #	98
73) Isopropylbenzene	11.02	105	1216171	50.596	ug/l	99
74) N-amyl acetate	10.90	43	493140	53.042	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	377811	51.575	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	366996m	53.341	ug/l	
77) Bromobenzene	11.26	156	324037	47.846	ug/l	98
78) n-propylbenzene	11.36	91	1380076	52.359	ug/l	100
79) 2-Chlorotoluene	11.42	91	794388	49.670	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1009466	51.333	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	121968	54.388	ug/l	94
82) 4-Chlorotoluene	11.51	91	943047	50.959	ug/l	100
83) tert-Butylbenzene	11.77	119	1015144	52.140	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1034826	51.833	ug/l	99
85) sec-Butylbenzene	11.94	105	1251602	53.114	ug/l	100
86) p-Isopropyltoluene	12.06	119	1136376	53.422	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	597238	49.138	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	595202	48.268	ug/l	100
89) n-Butylbenzene	12.38	91	998354	54.559	ug/l	99
90) Hexachloroethane	12.60	117	192127	60.350	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	594987	49.189	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	83652	54.919	ug/l	98

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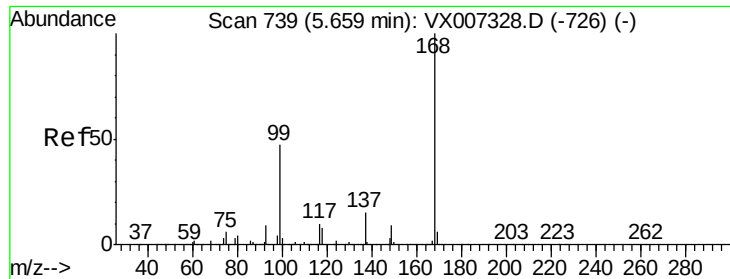
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	427019	52.348	ug/l	100
94) Hexachlorobutadiene	13.78	225	210434	53.126	ug/l	99
95) Naphthalene	13.83	128	1246928	52.272	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	420594	51.222	ug/l	99

(#) = 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. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 531921

Ion Ratio Lower Upper

168 100

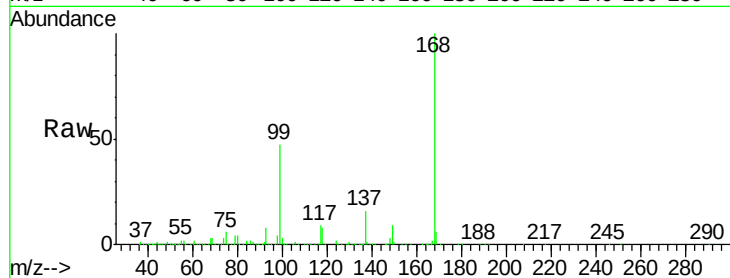
99 46.6 37.9 56.9

Manual Integrations

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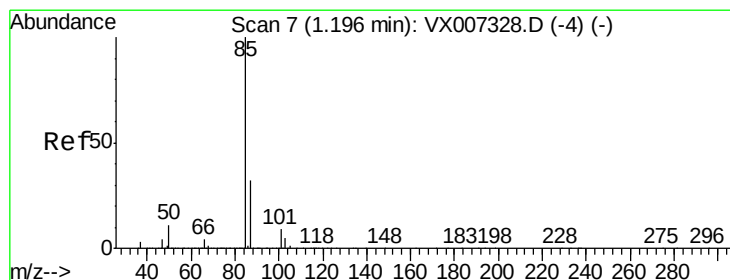
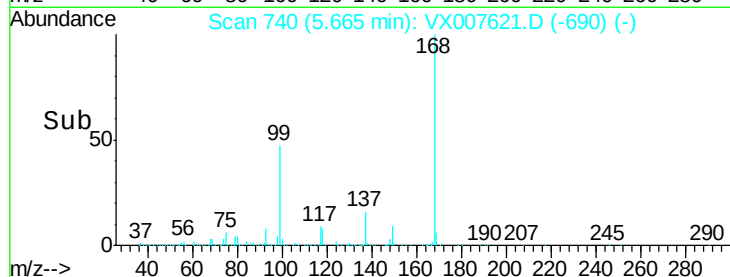
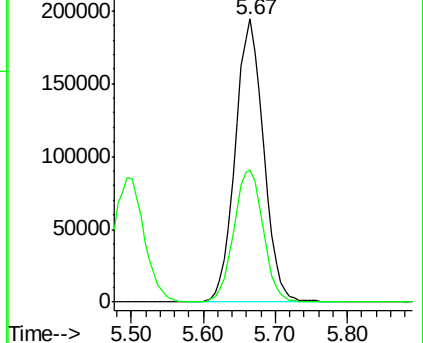
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 41.502 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007621.D

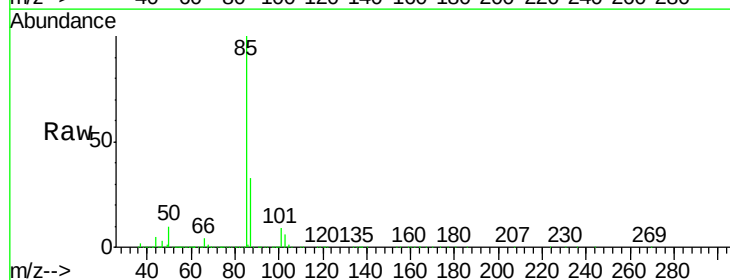
Acq: 21 Feb 2019 10:46

Tgt Ion: 85 Resp: 271077

Ion Ratio Lower Upper

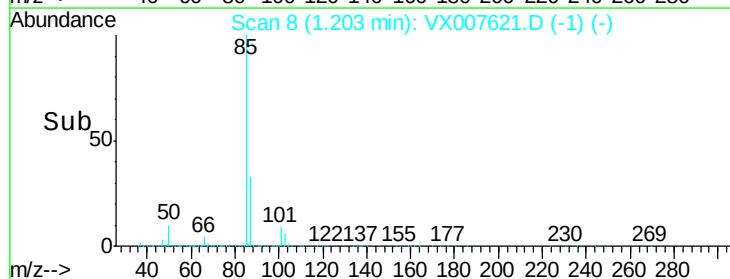
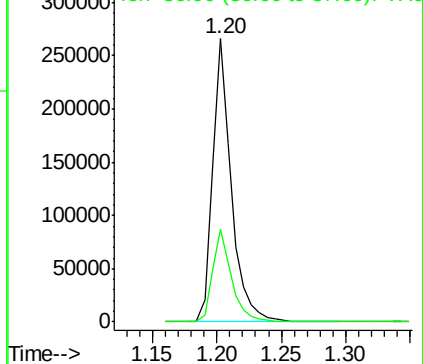
85 100

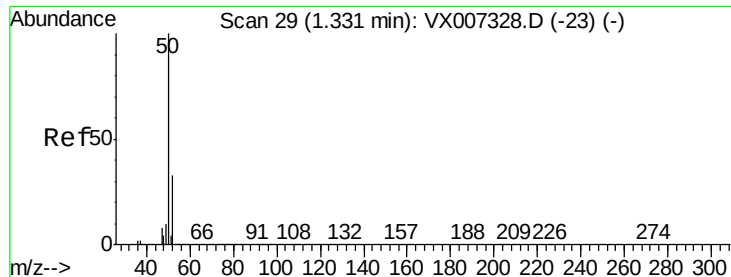
87 32.6 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 37.843 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 226728

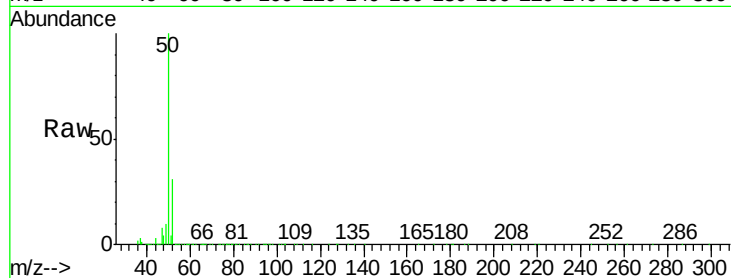
Ion Ratio Lower Upper

50 100

52 31.1 26.1 39.1

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

200000

150000

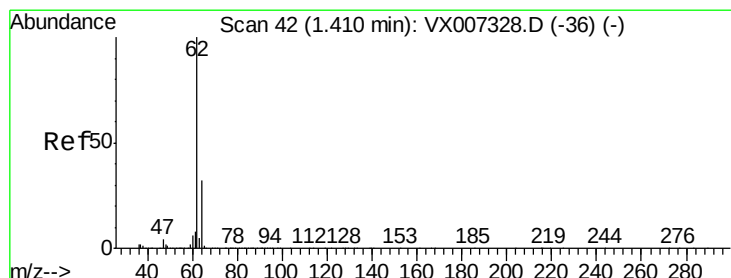
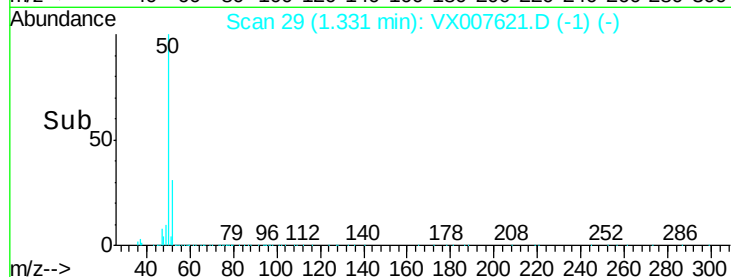
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 43.803 ug/l

RT: 1.42 min Scan# 43

Delta R.T. 0.01 min

Lab File: VX007621.D

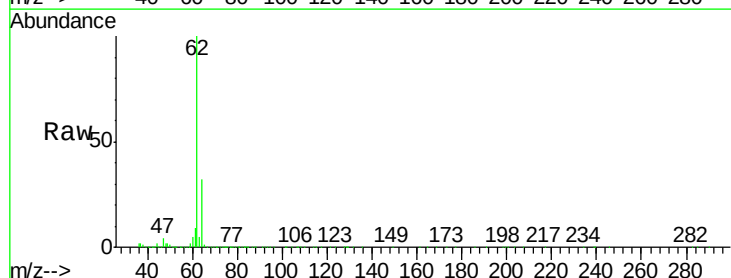
Acq: 21 Feb 2019 10:46

Tgt Ion: 62 Resp: 257459

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.42

250000

200000

150000

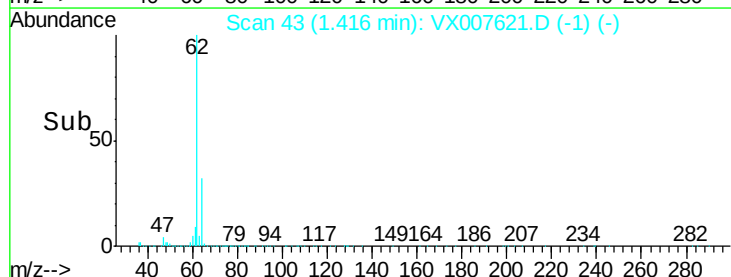
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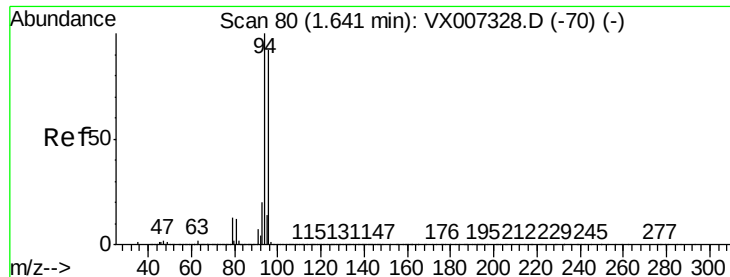
50000

0

Time-->

1.30 1.40 1.50 1.60





#5

Bromomethane

Concen: 39.302 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 229025

Ion Ratio Lower Upper

94 100

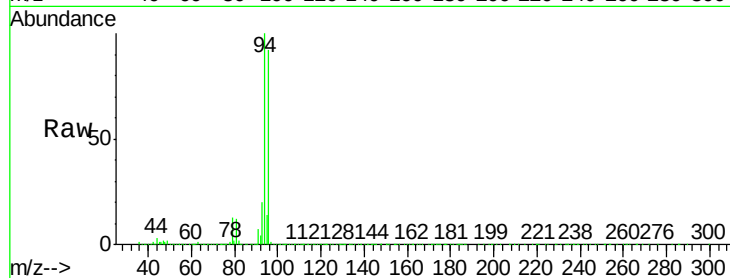
96 92.1 73.9 110.9

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250000

200000

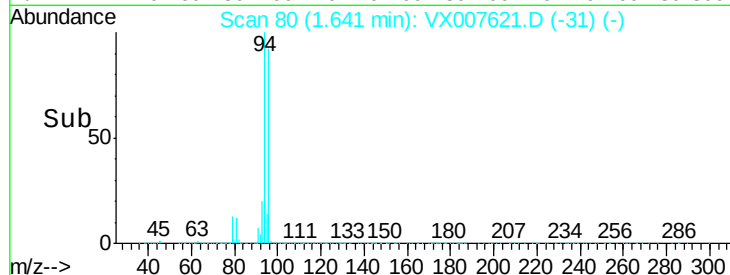
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100000

50000

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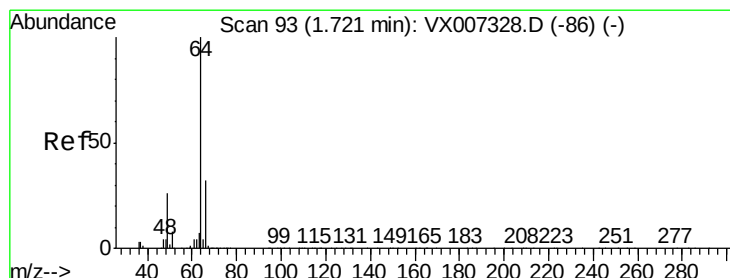
Time-->



1.64

1.65

1.70



#6

Chloroethane

Concen: 43.134 ug/l

RT: 1.72 min Scan# 93

Delta R.T. -0.00 min

Lab File: VX007621.D

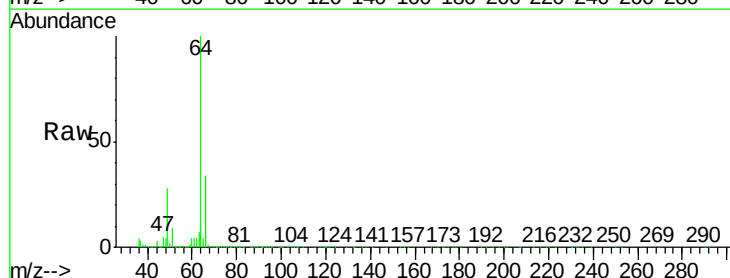
Acq: 21 Feb 2019 10:46

Tgt Ion: 64 Resp: 164007

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

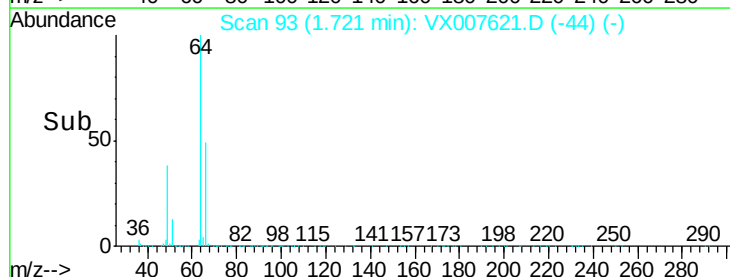
Ion 65.90 (65.60 to 66.60): VX0

100000

50000

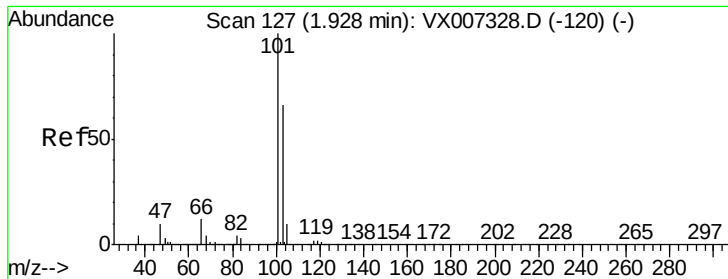
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Time-->



1.72

1.80



#7

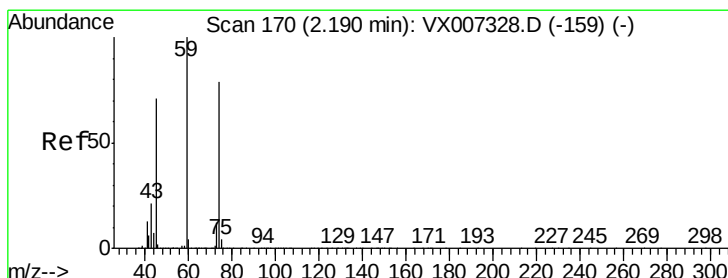
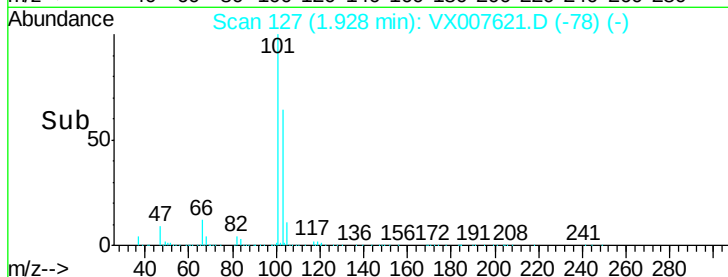
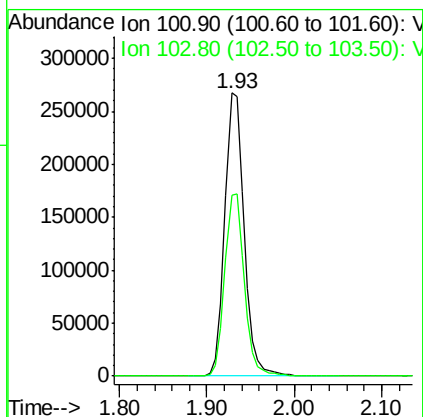
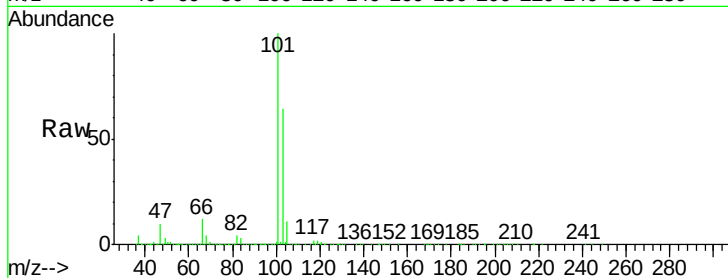
Trichlorofluoromethane
Concen: 44.577 ug/l
RT: 1.93 min Scan# 127
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

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VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		409870		
103	64.1	52.6	79.0		

Manual Integrations
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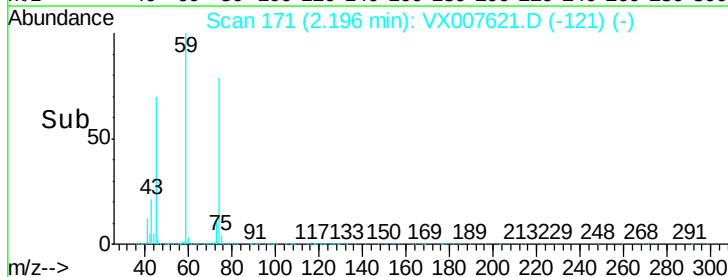
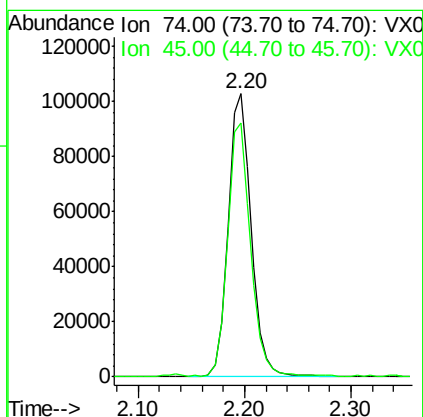
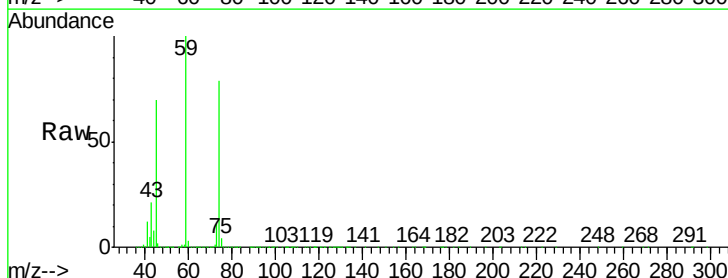
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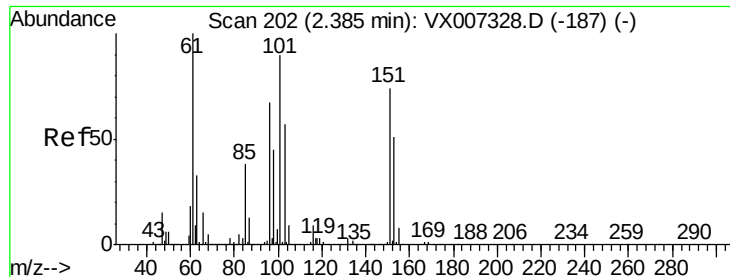


#8

Diethyl Ether
Concen: 45.024 ug/l
RT: 2.20 min Scan# 171
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		155818		
45	89.1	45.7	137.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.036 ug/l

RT: 2.39 min Scan# 202

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

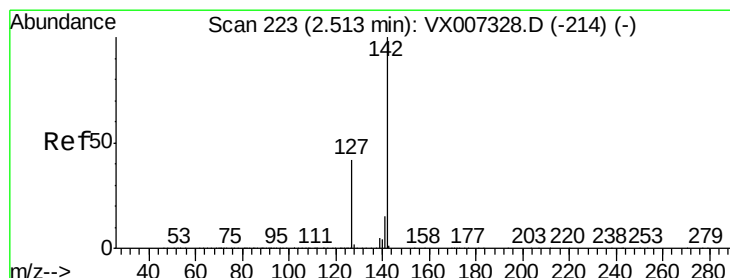
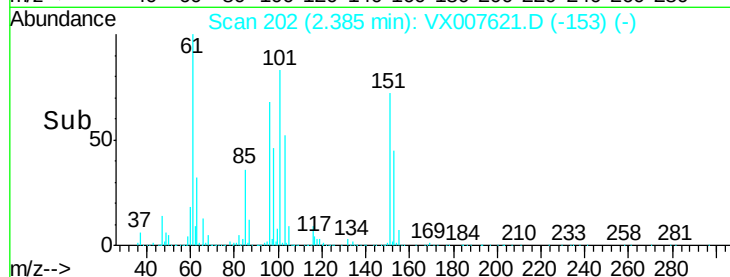
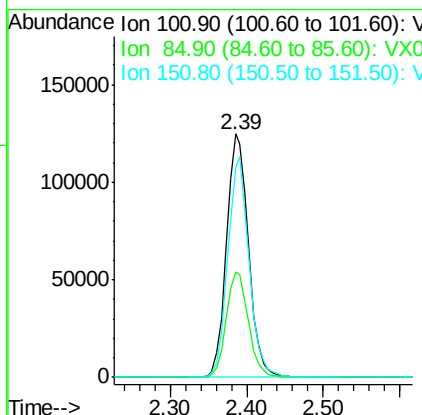
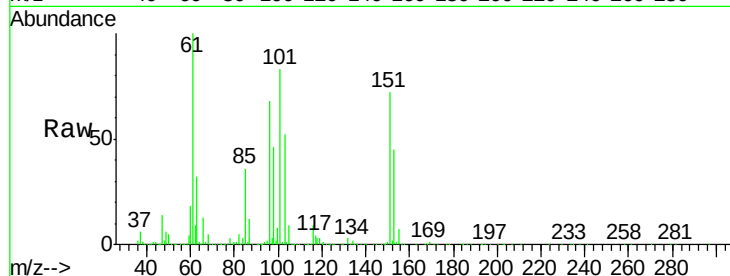
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	246315
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.1	51.1
151	87.8	69.9	104.9

Manual Integrations
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#10

Methyl Iodide

Concen: 40.967 ug/l

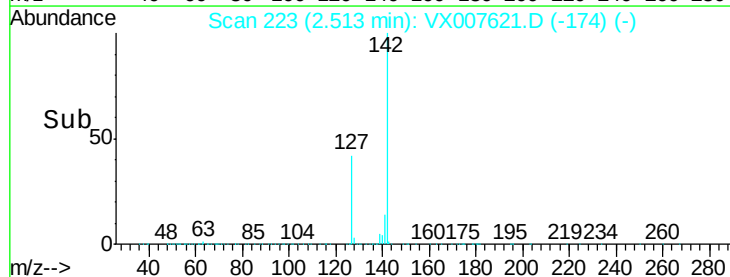
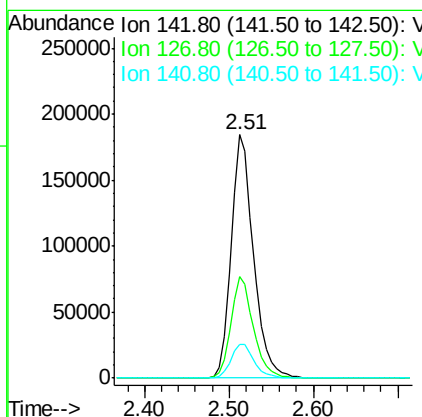
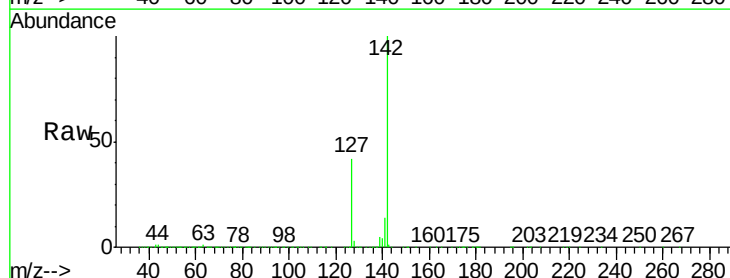
RT: 2.51 min Scan# 223

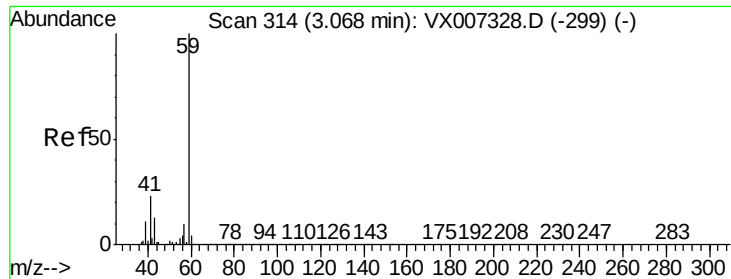
Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion:	142	Resp:	329609
Ion Ratio	Lower	Upper	
142	100		
127	42.1	33.7	50.5
141	14.5	11.3	16.9





#11

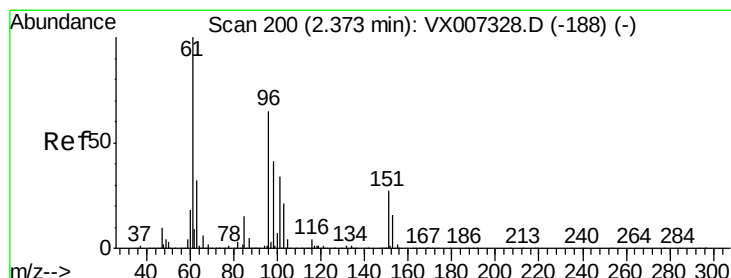
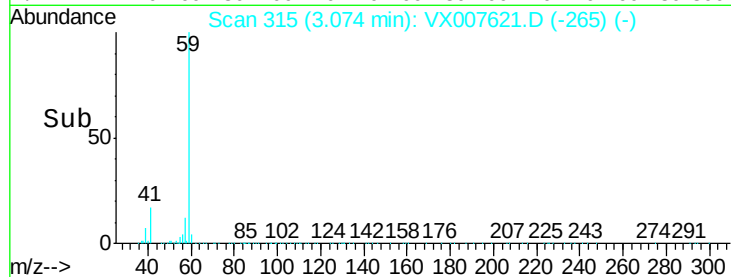
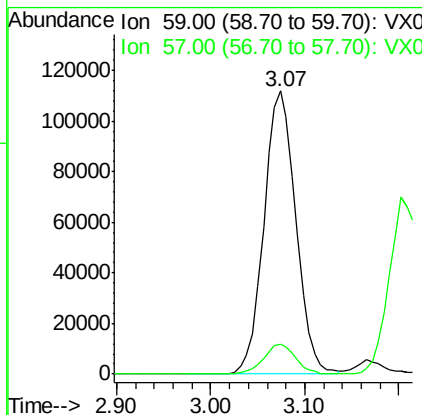
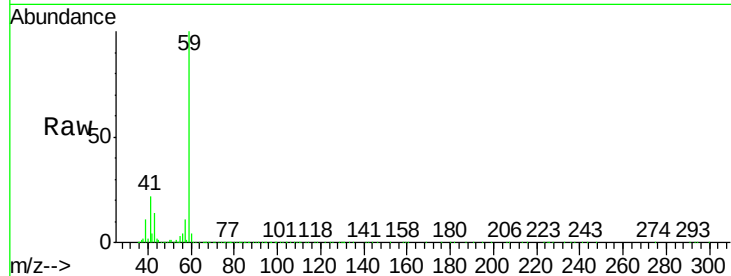
Tert butyl alcohol
Concen: 226.582 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.5	8.1	12.1

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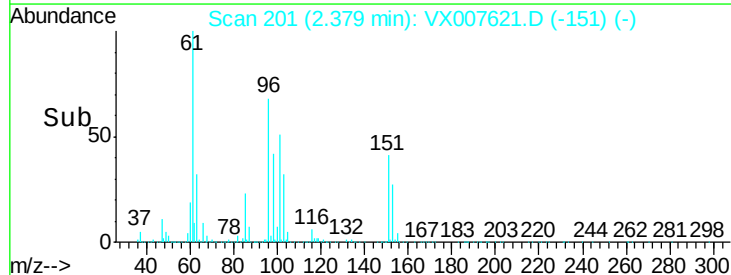
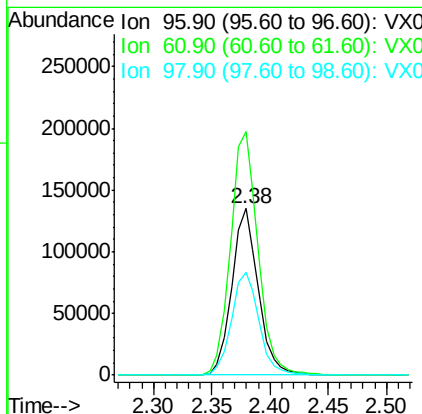
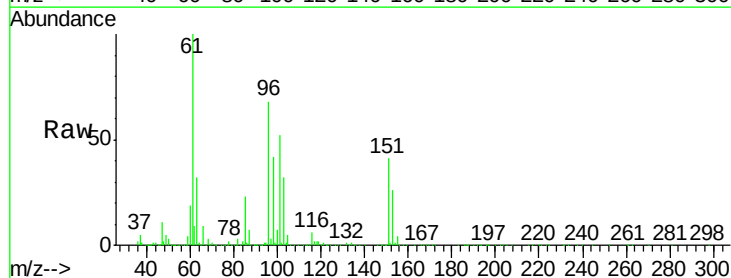
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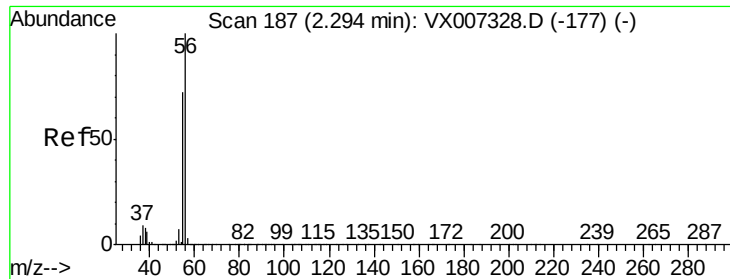


#12

1,1-Dichloroethene
Concen: 42.196 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	146.0	123.0	184.4
98	98	61.8	50.9	76.3





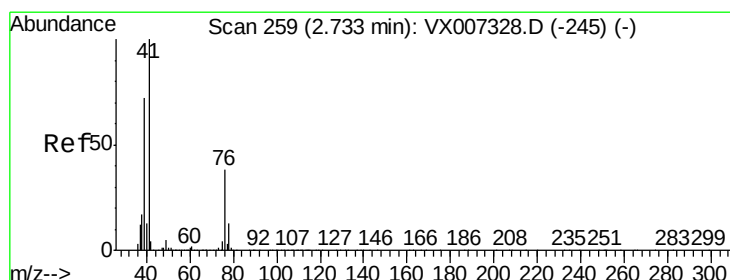
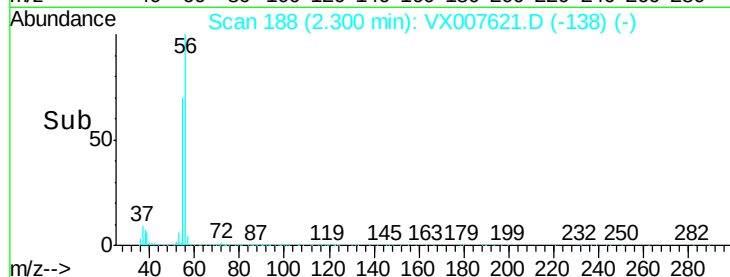
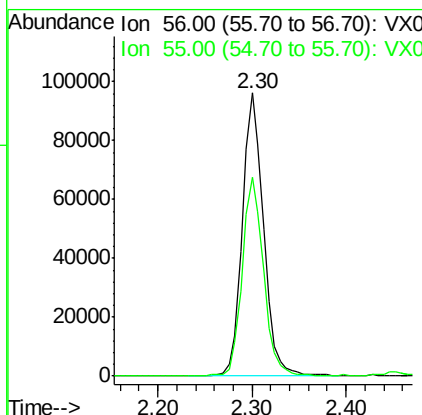
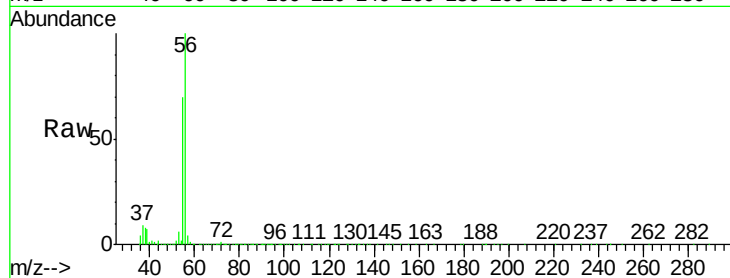
#13
Acrolein
Concen: 275.931 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	69.7	56.9	85.3

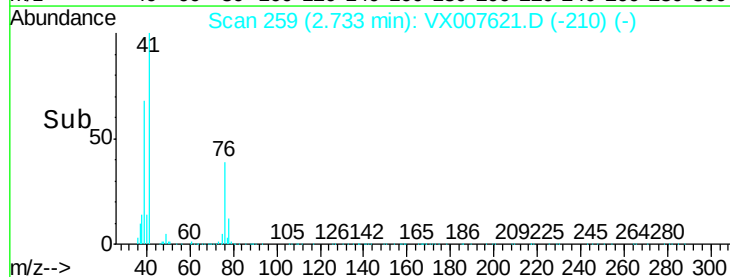
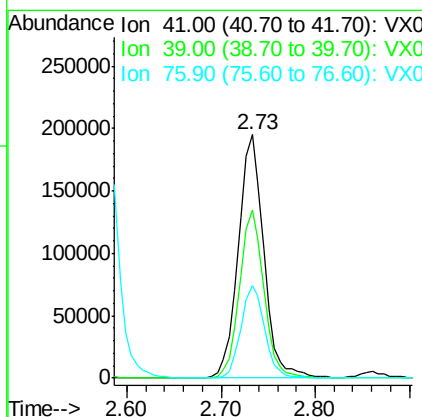
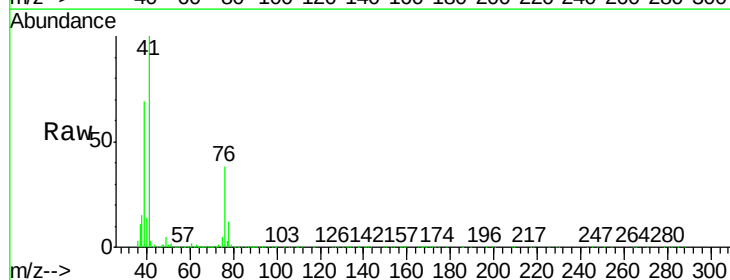
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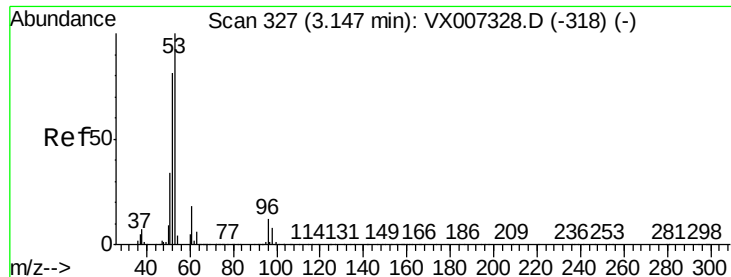
MMDadoda
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#14
Allyl chloride
Concen: 44.478 ug/l
RT: 2.73 min Scan# 259
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	54.1	81.1
76	35.4	27.8	41.8





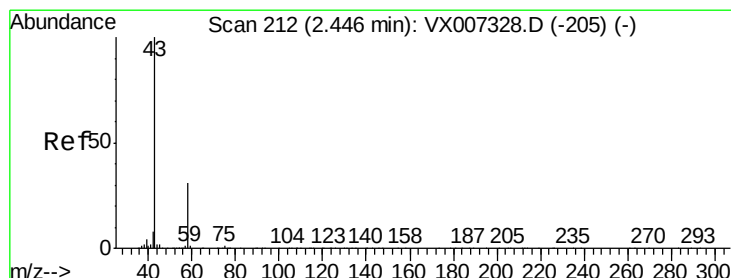
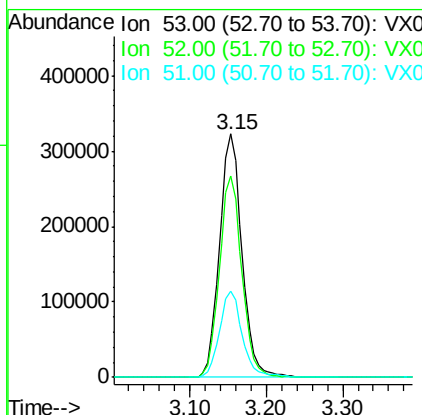
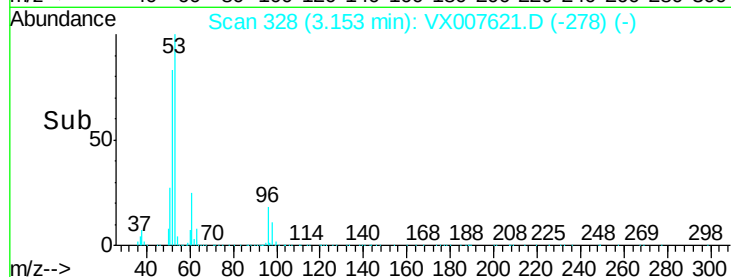
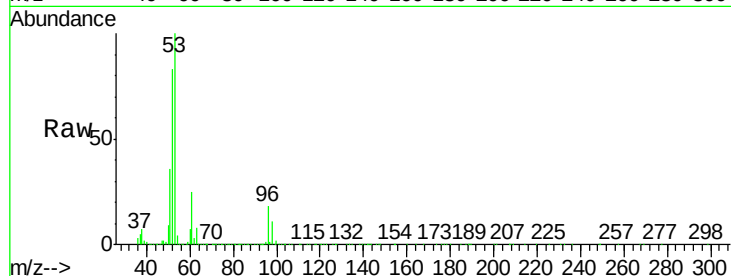
#15
Acrylonitrile
Concen: 226.559 ug/l
RT: 3.15 min Scan# 328
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.4	99.6
51	35.7	28.4	42.6

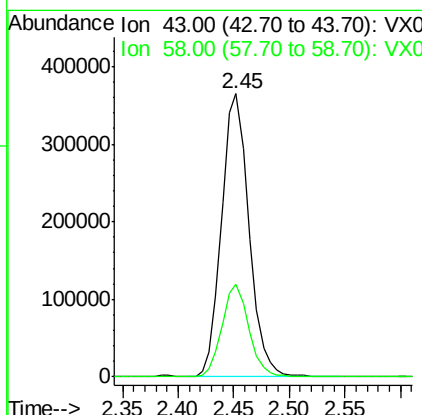
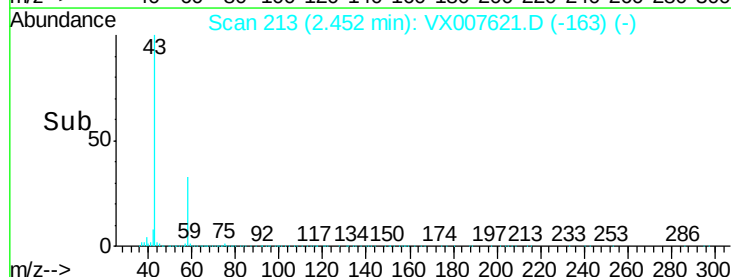
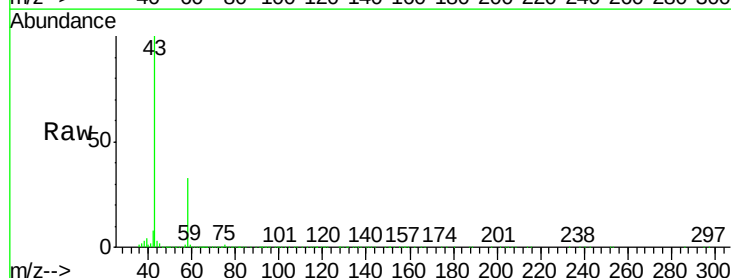
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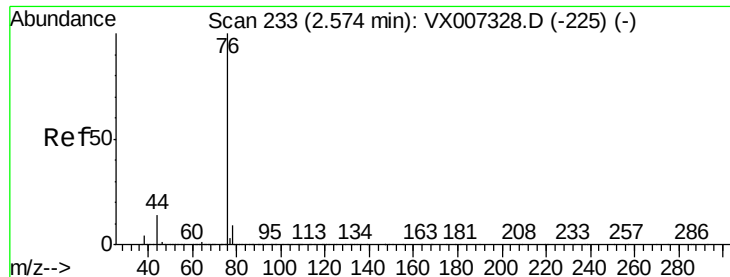
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#16
Acetone
Concen: 240.289 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.9	37.3





#17

Carbon Disulfide

Concen: 38.500 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX007621.D

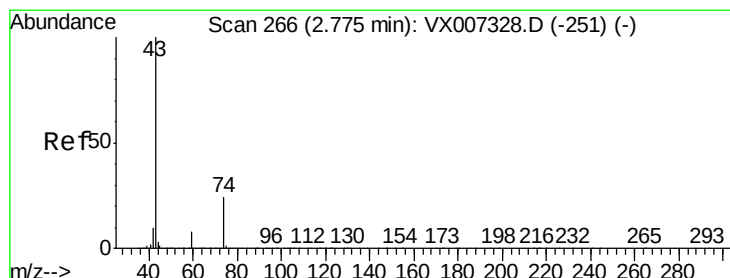
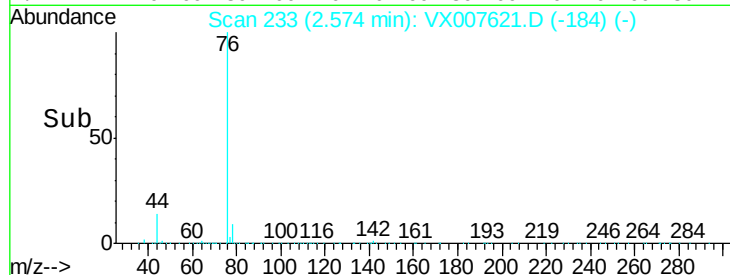
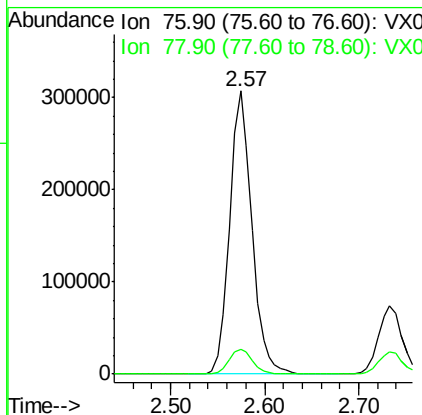
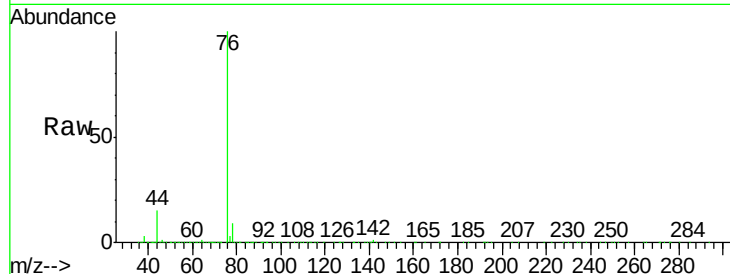
Acq: 21 Feb 2019 10:46

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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#18

Methyl Acetate

Concen: 54.554 ug/l

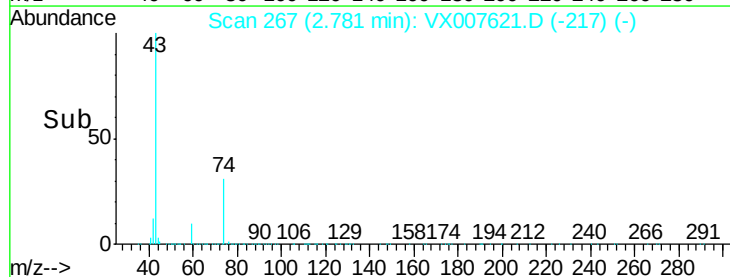
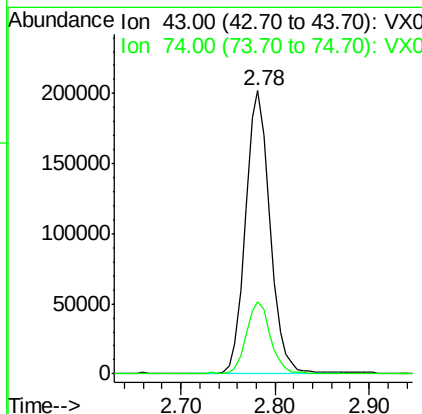
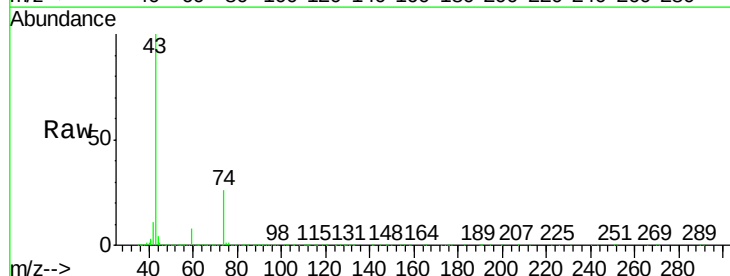
RT: 2.78 min Scan# 267

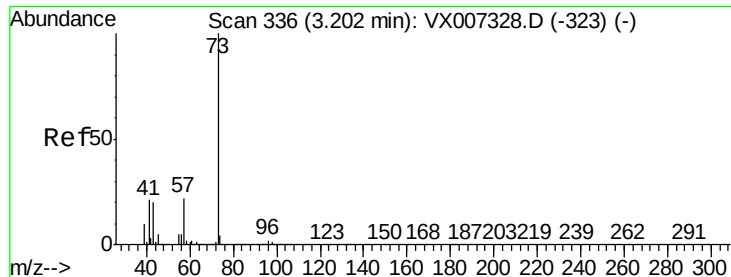
Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	19.4	29.2





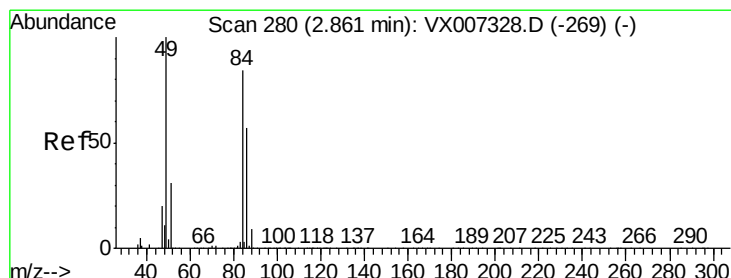
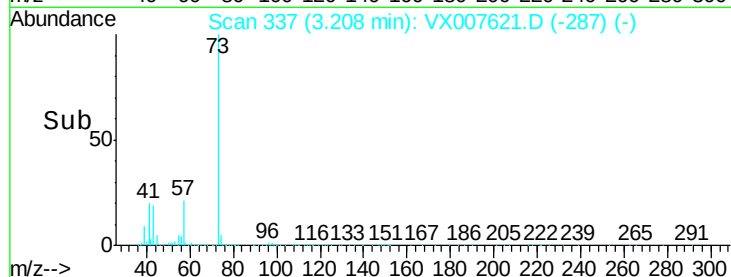
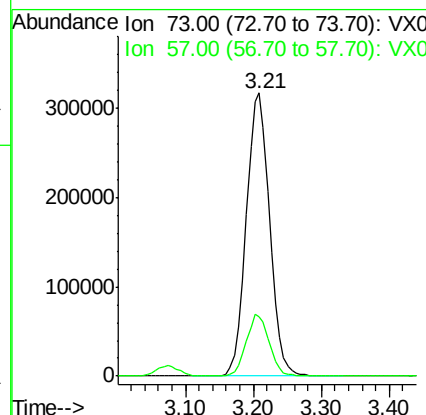
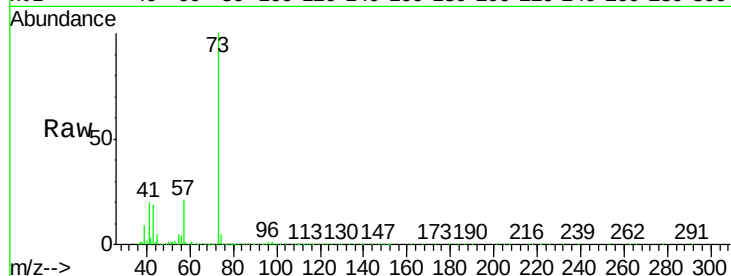
#19
Methyl tert-butyl Ether
Concen: 45.677 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.7	17.8	26.8

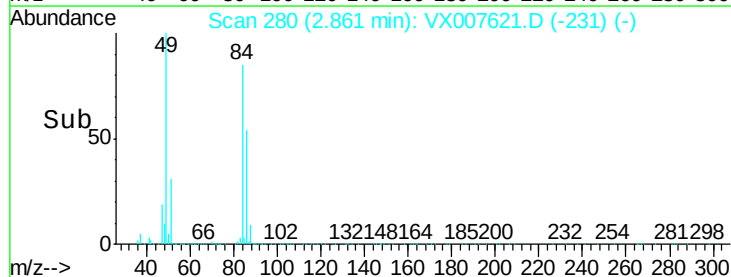
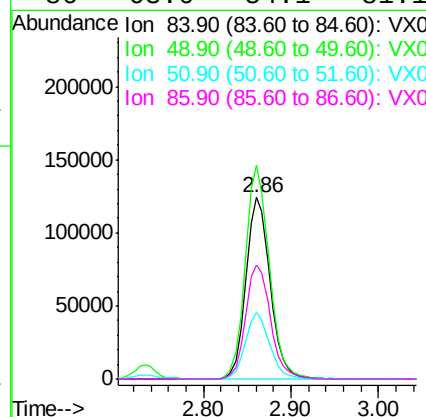
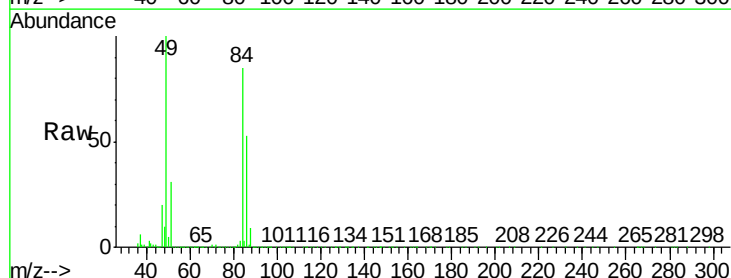
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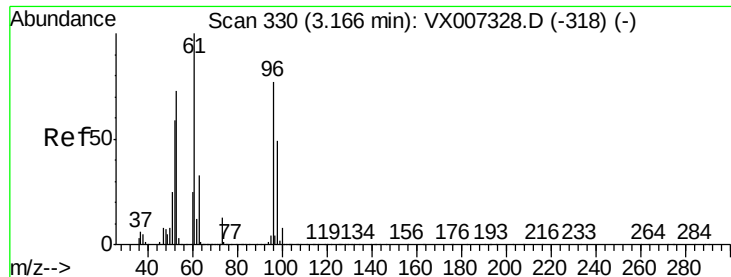
MMDadoda
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#20
Methylene Chloride
Concen: 44.898 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.7	94.8	142.2
51	36.5	29.8	44.8
86	63.0	54.1	81.1





#21

trans-1,2-Dichloroethene

Concen: 42.239 ug/l

RT: 3.17 min Scan# 331

Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

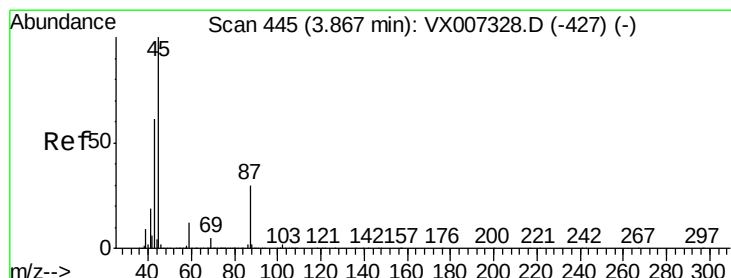
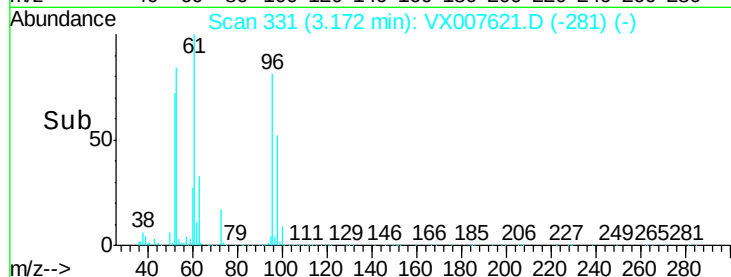
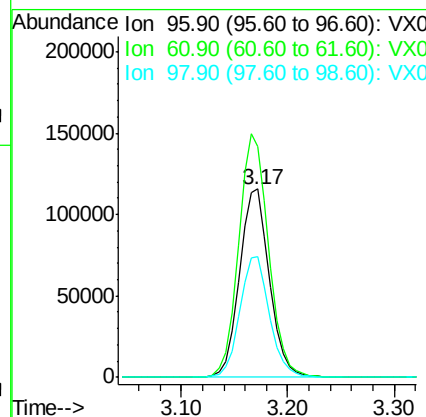
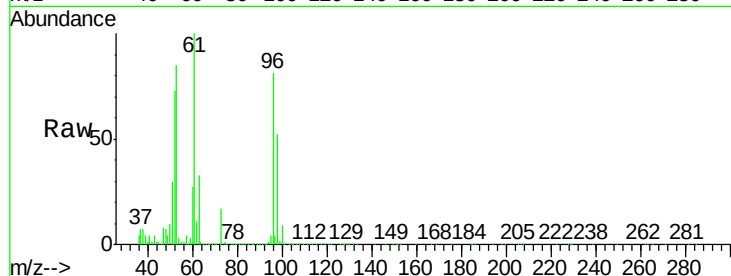
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	228520
Ion Ratio	Lower	Upper	
96	100		
61	122.7	104.6	156.8
98	64.1	51.0	76.4

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#22

Diisopropyl ether

Concen: 47.745 ug/l

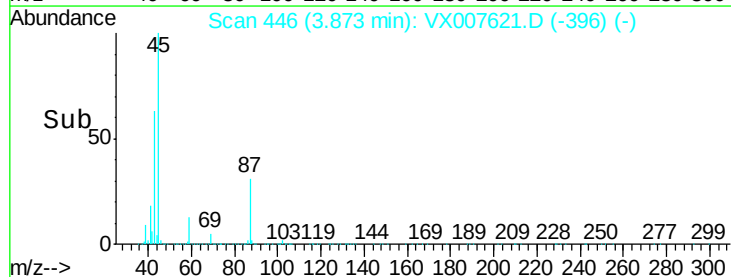
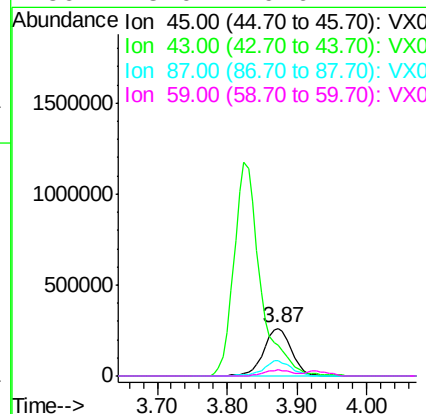
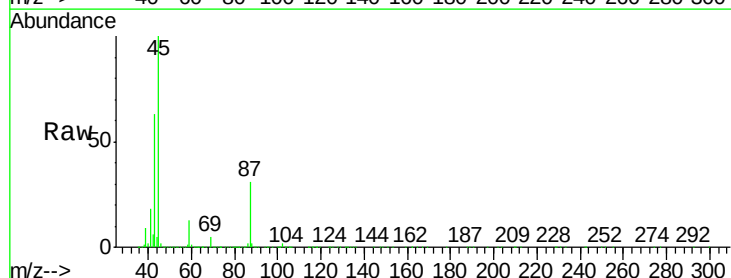
RT: 3.87 min Scan# 446

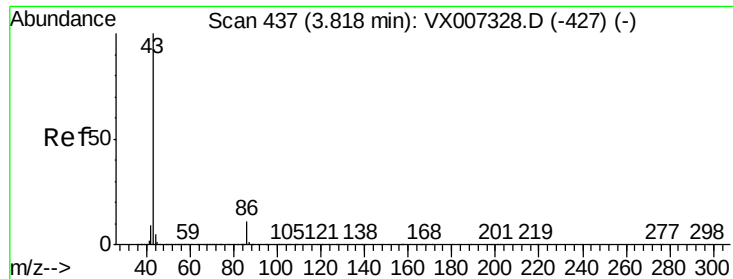
Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion:	45	Resp:	726756
Ion Ratio	Lower	Upper	
45	100		
43	62.9	48.9	73.3
87	31.1	23.9	35.9
59	13.0	9.6	14.4





#23

Vinyl Acetate

Concen: 244.343 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tot Ion: 43 Resp: 3086385

Ion Ratio Lower Upper

43 100

86 11.1 8.7 13.1

Instrument :

MSVOA_X

ClientSampleId :

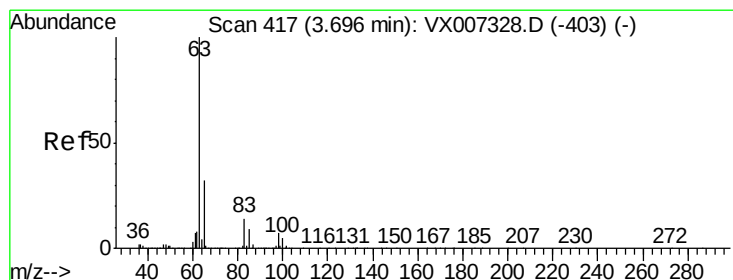
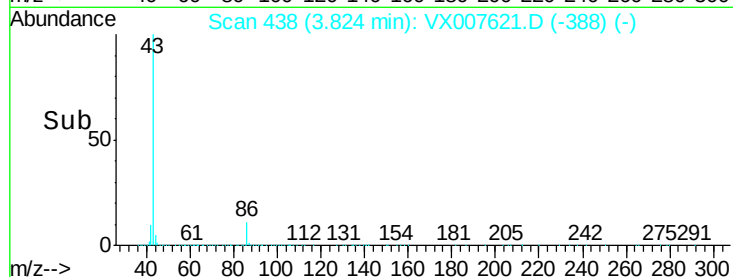
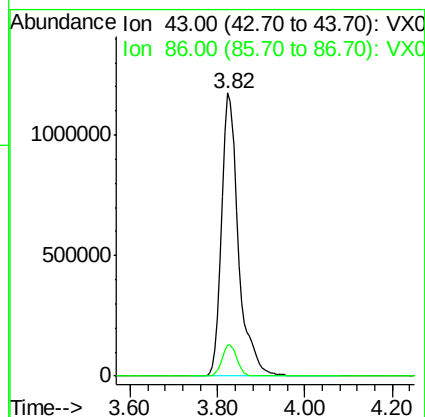
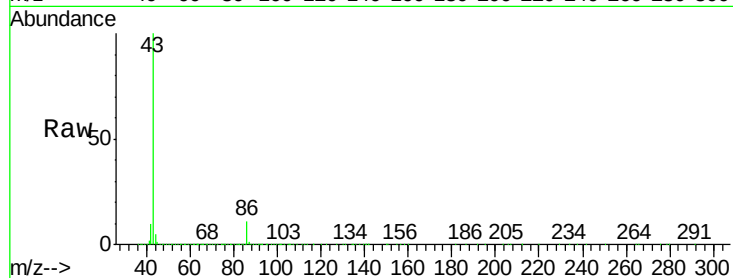
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 47.170 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

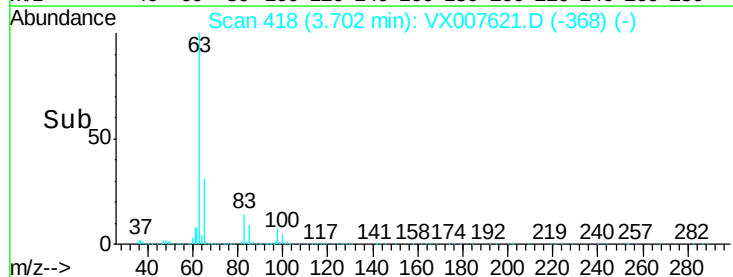
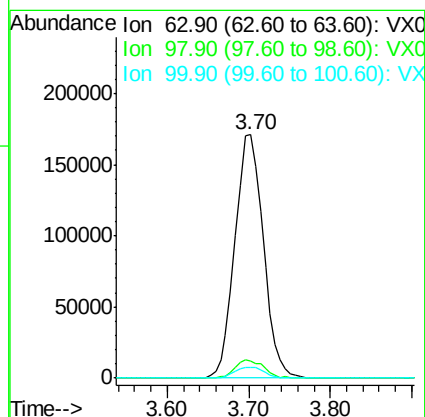
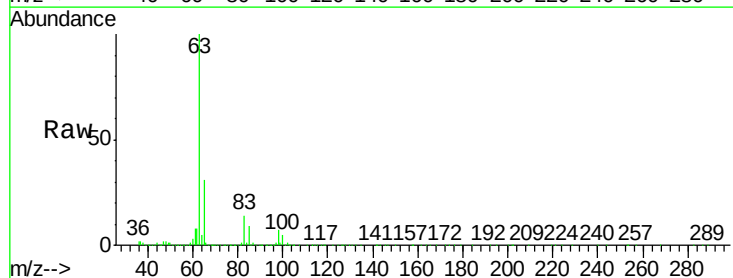
Tgt Ion: 63 Resp: 412331

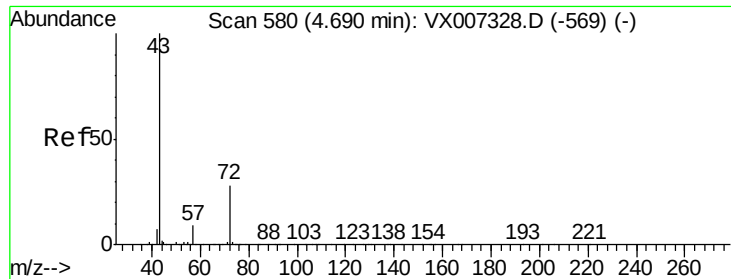
Ion Ratio Lower Upper

63 100

98 7.0 3.6 10.8

100 4.5 2.5 7.4





#25

2-Butanone

Concen: 248.409 ug/l

RT: 4.70 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 914279

Ion Ratio Lower Upper

43 100

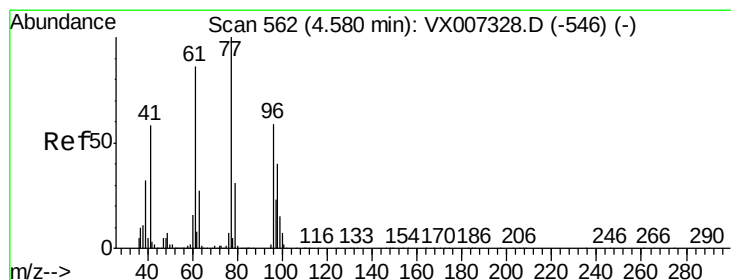
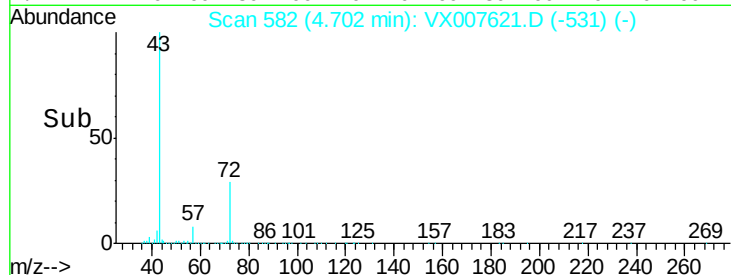
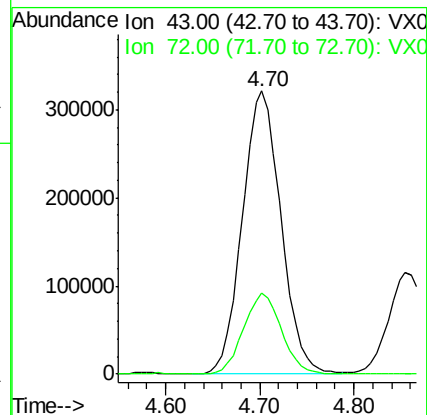
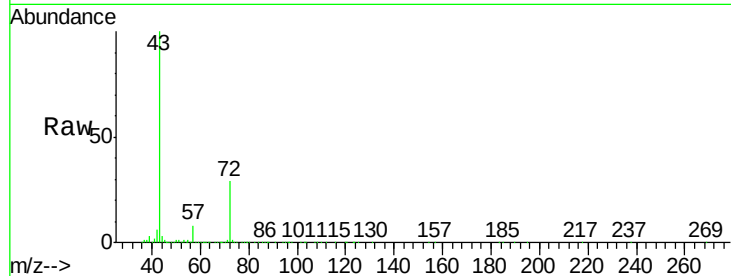
72 28.5 22.2 33.2

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#26

2,2-Dichloropropane

Concen: 52.934 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX007621.D

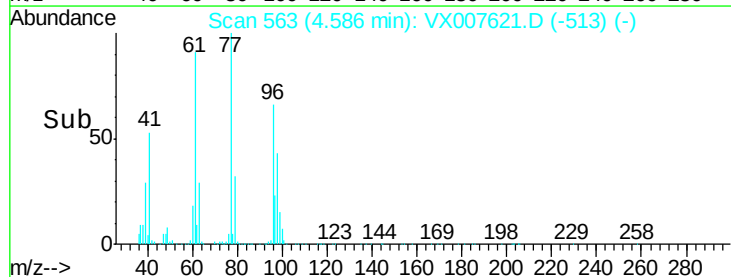
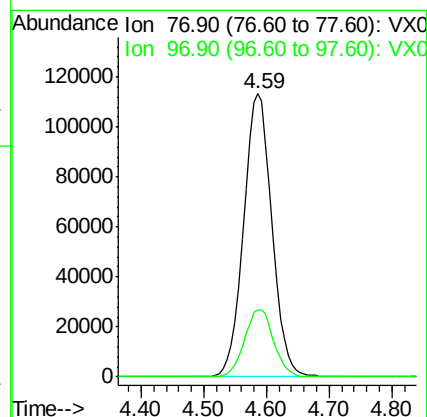
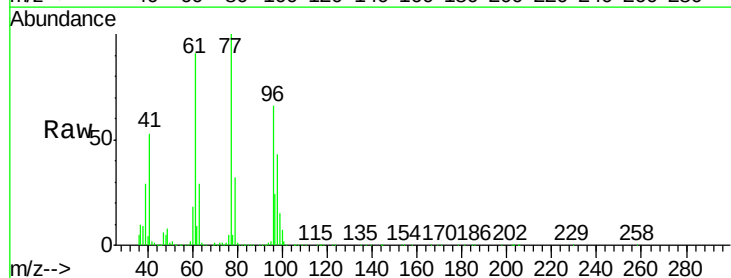
Acq: 21 Feb 2019 10:46

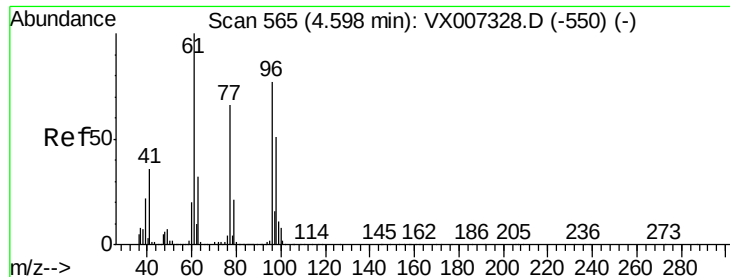
Tgt Ion: 77 Resp: 352386

Ion Ratio Lower Upper

77 100

97 24.6 12.1 36.3





#27

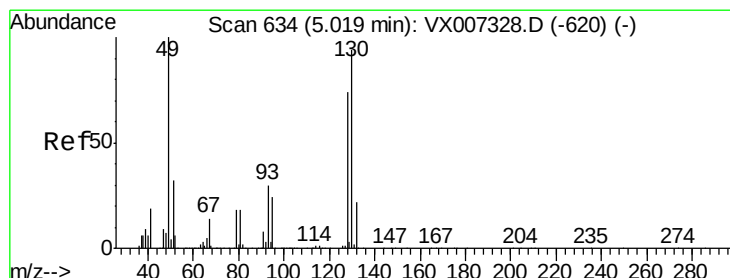
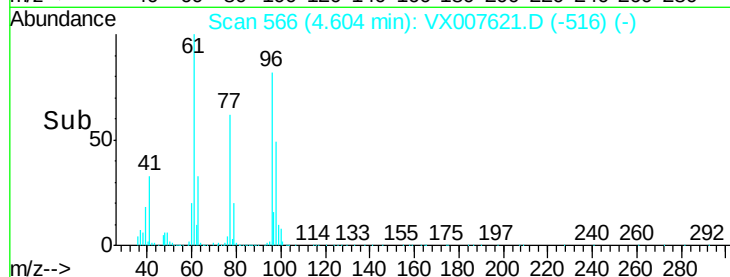
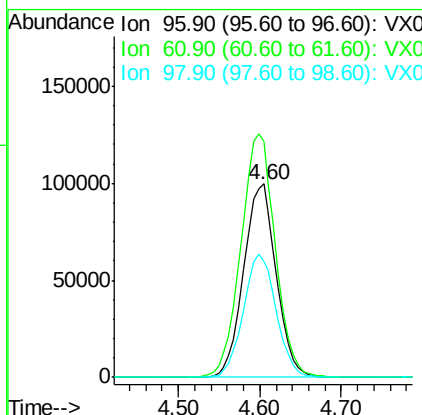
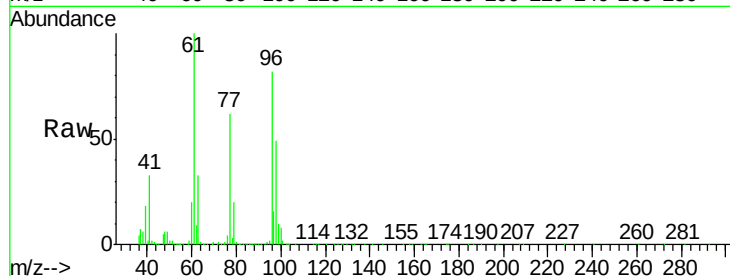
cis-1,2-Dichloroethene
Concen: 46.982 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	277630		
61	131.7	0.0	265.6	
98	64.3	0.0	131.6	

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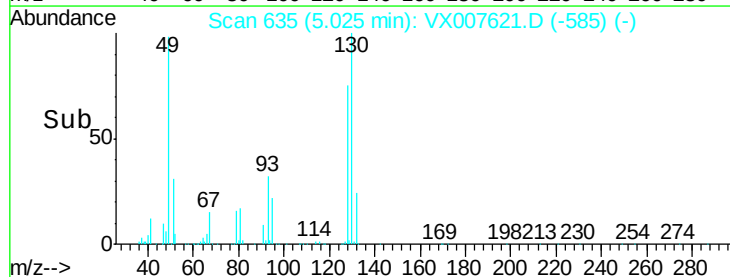
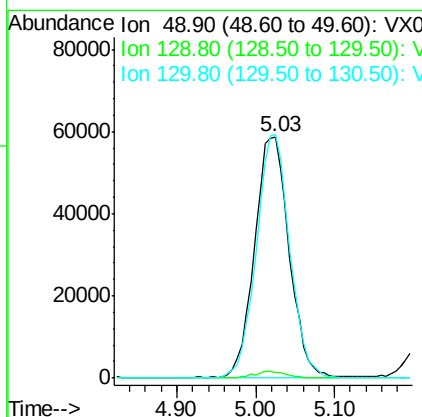
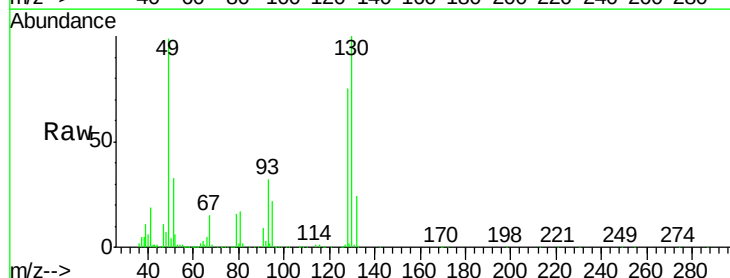
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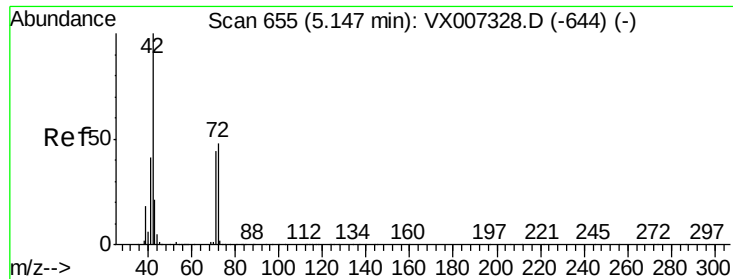


#28

Bromochloromethane
Concen: 44.511 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	178929		
129	2.7	0.0	5.6	
130	97.8	75.6	113.4	





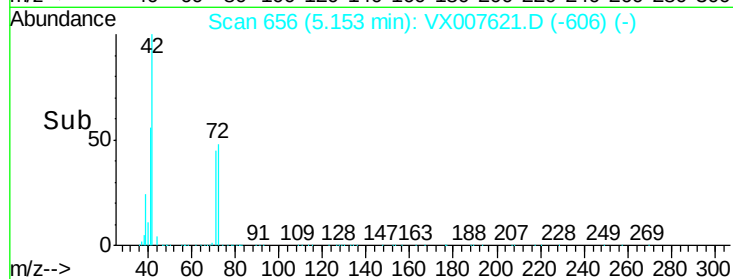
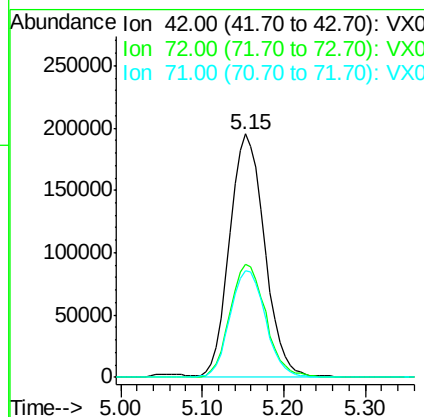
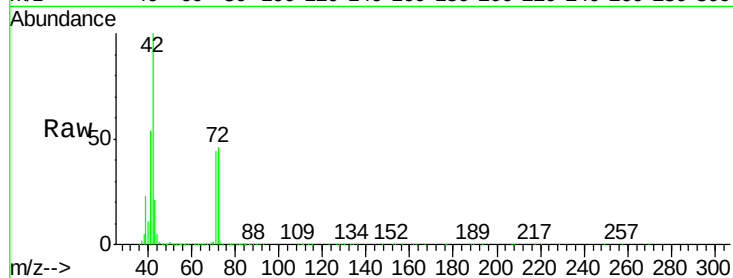
#29
Tetrahydrofuran
Concen: 249.215 ug/l
RT: 5.15 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.6	37.6	56.4
71	44.7	34.6	51.8

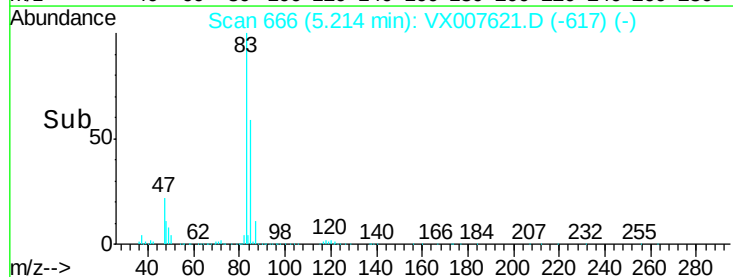
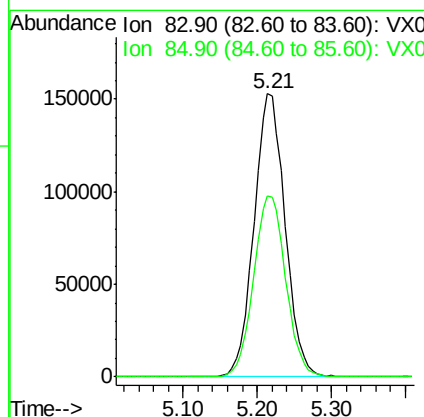
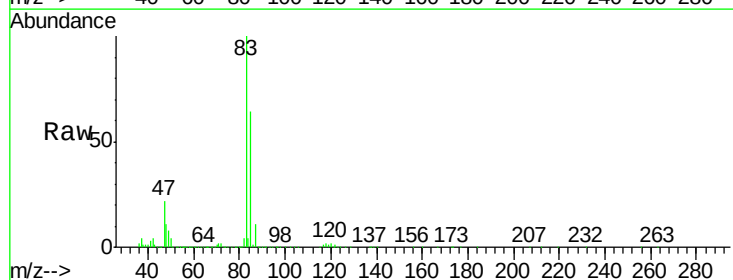
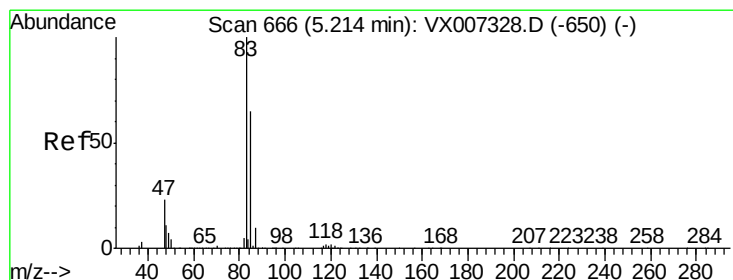
Manual Integrations
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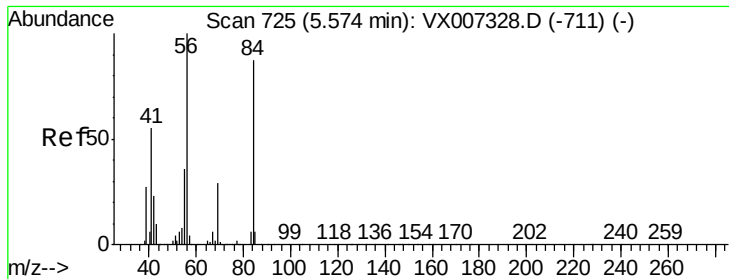
MMDadoda
2/22/2019 10:40:17 AM



#30
Chloroform
Concen: 49.017 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.6	77.4





#31

Cyclohexane

Concen: 44.258 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

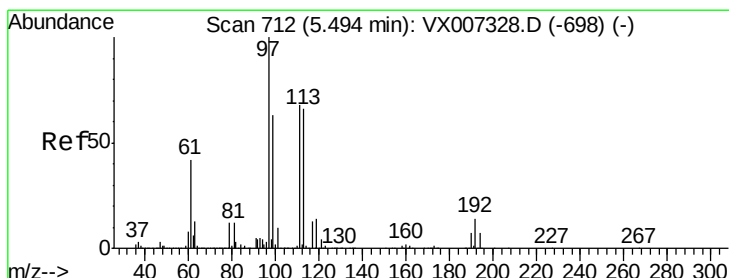
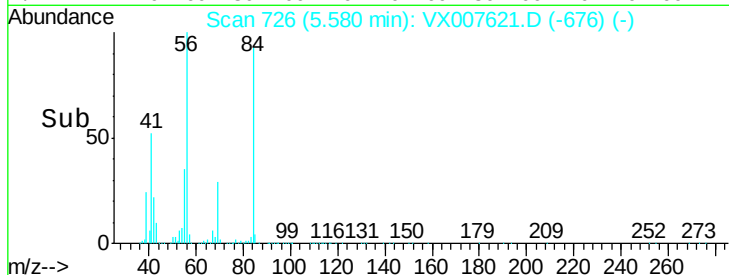
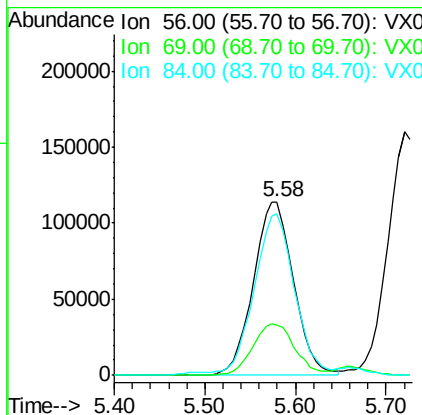
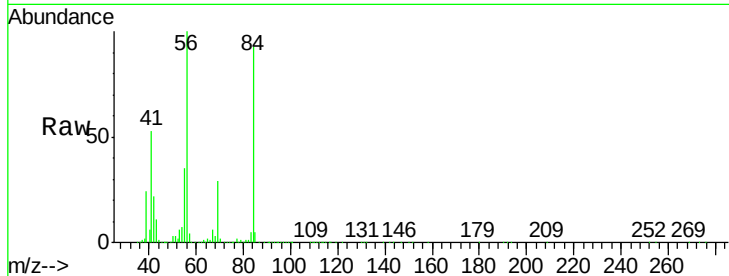
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	347471
Ion Ratio	Lower	Upper	
56	100		
69	29.4	23.0	34.6
84	91.3	69.8	104.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.531 ug/l

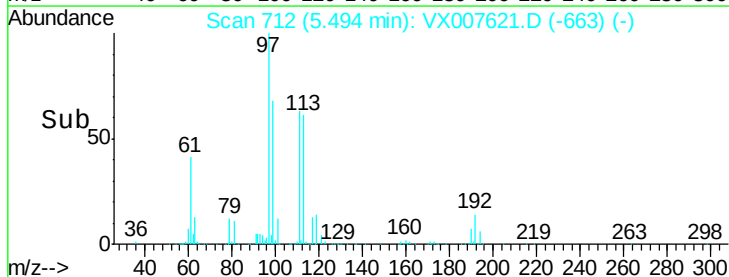
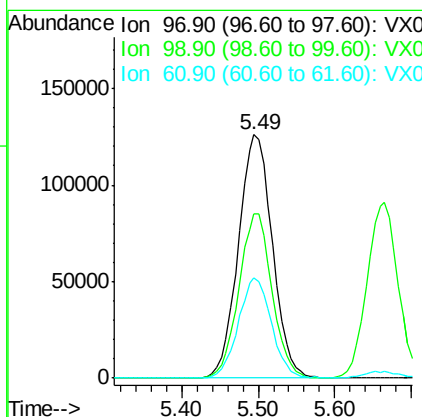
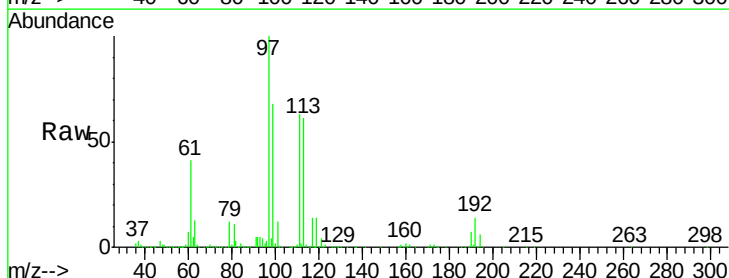
RT: 5.49 min Scan# 712

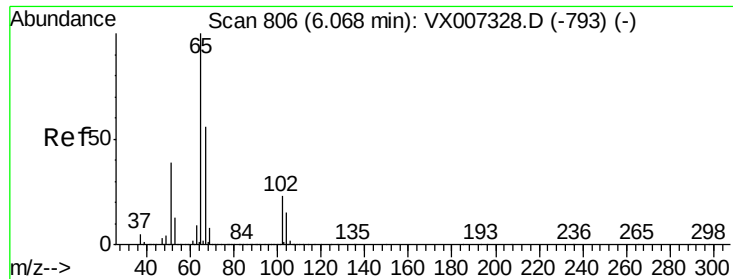
Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion:	97	Resp:	389070
Ion Ratio	Lower	Upper	
97	100		
99	65.6	52.2	78.2
61	40.3	32.7	49.1





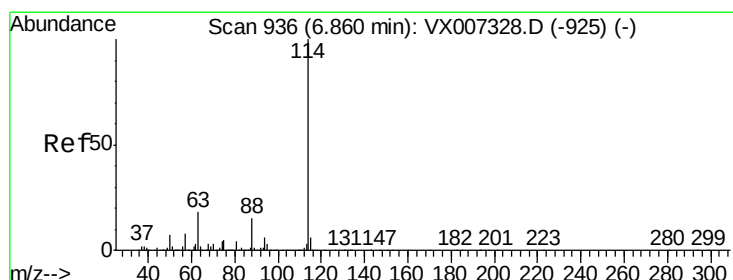
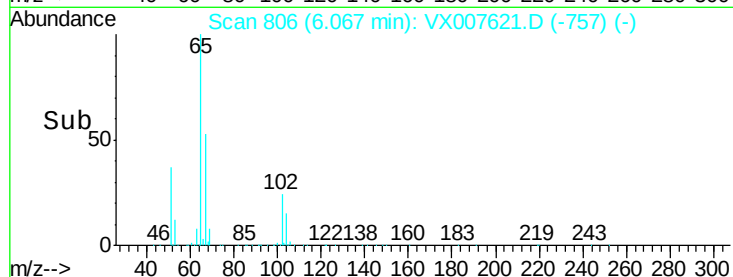
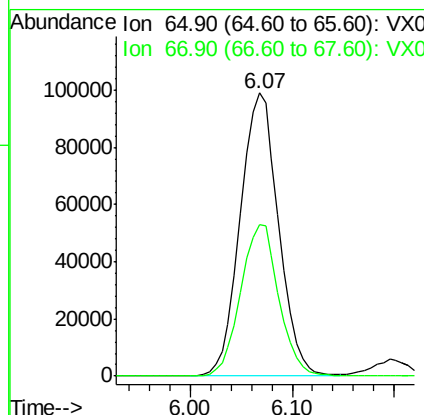
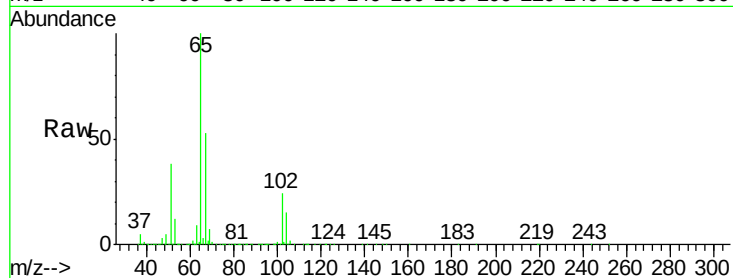
#33
 1,2-Dichloroethane-d4
 Concen: 45.861 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	258929		
67	53.1	0.0	108.8	

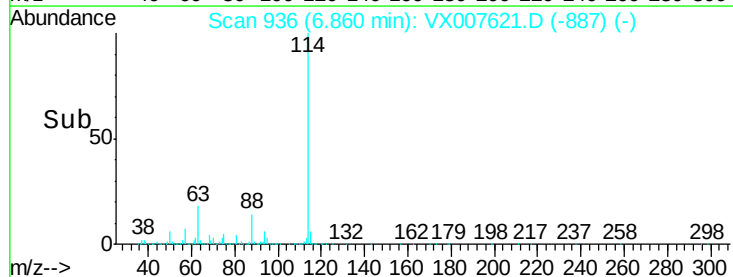
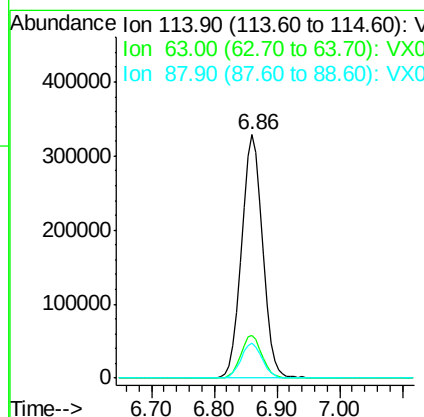
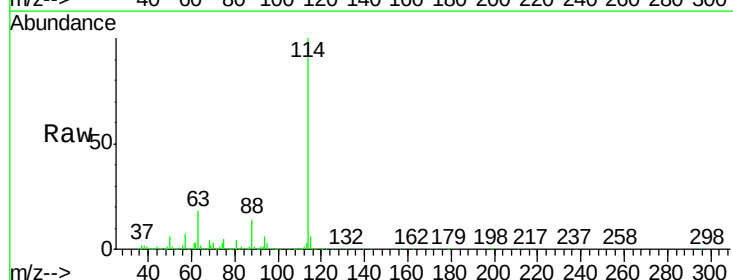
Manual Integrations
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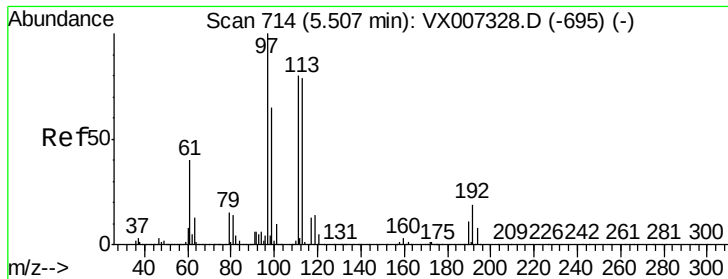
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	762581		
63	17.6	0.0	35.6	
88	14.5	0.0	29.6	





#35

Dibromofluoromethane

Concen: 49.588 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

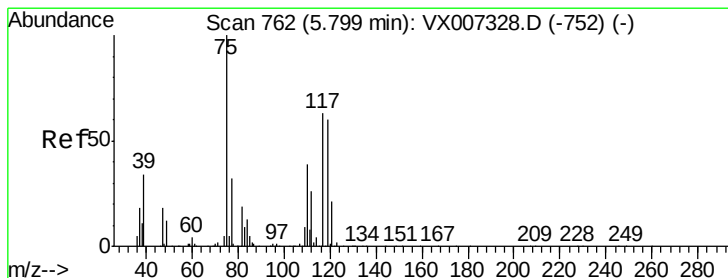
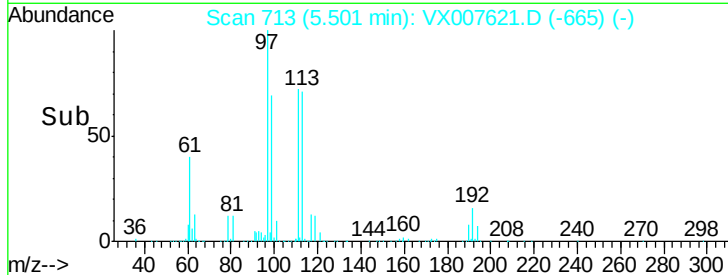
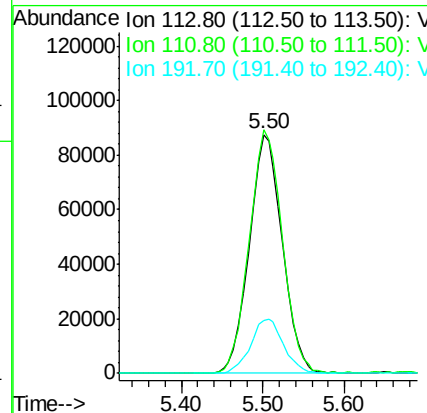
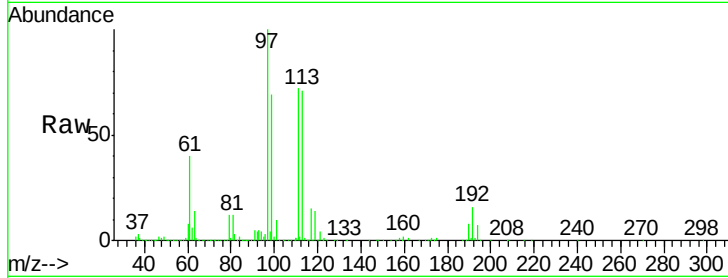
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	246047
Ion Ratio	Lower	Upper	
113	100		
111	102.6	81.8	122.8
192	22.8	18.5	27.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 45.598 ug/l

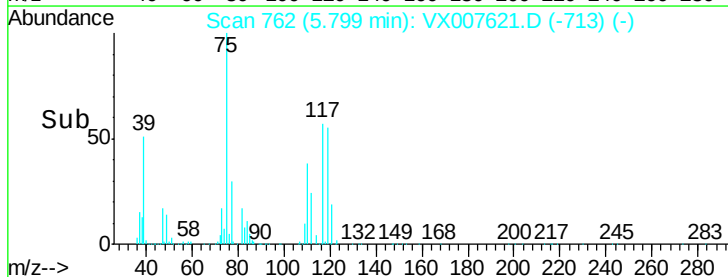
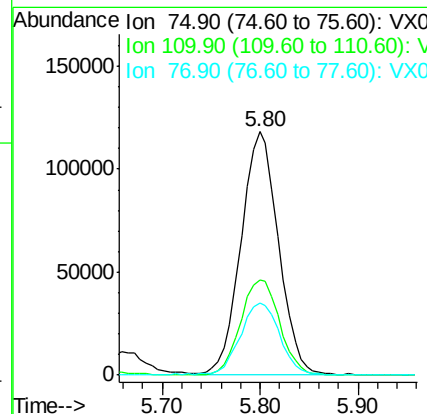
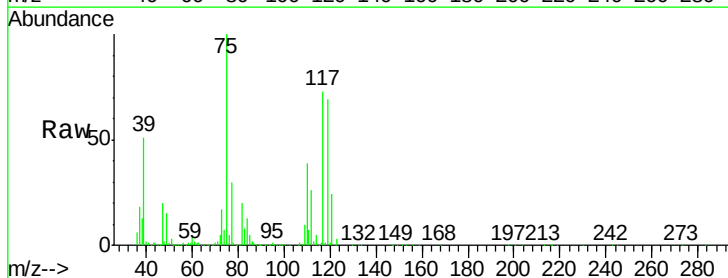
RT: 5.80 min Scan# 762

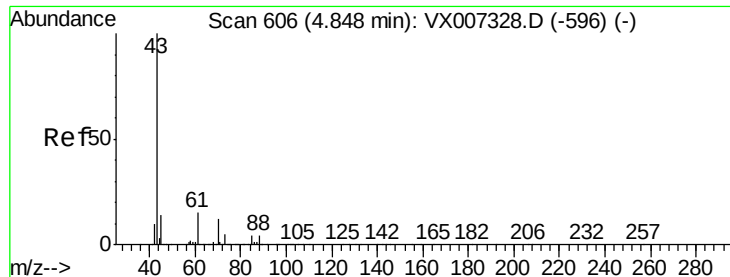
Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion:	75	Resp:	311991
Ion Ratio	Lower	Upper	
75	100		
110	41.1	20.0	59.9
77	31.8	24.7	37.1





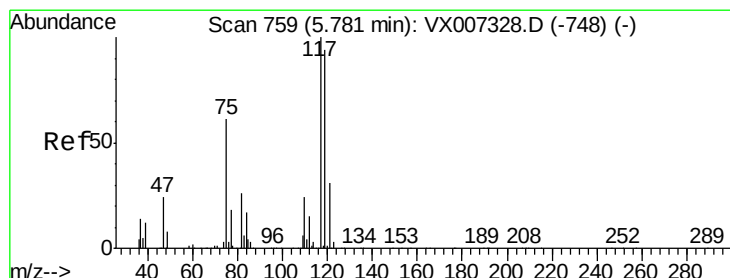
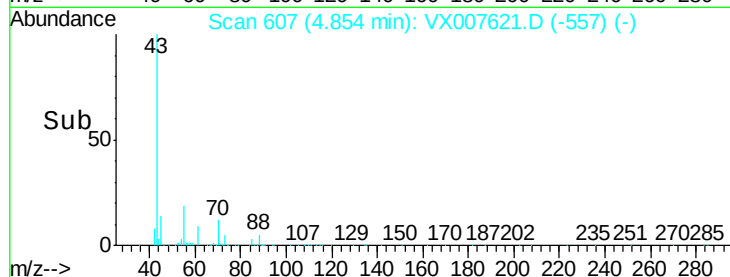
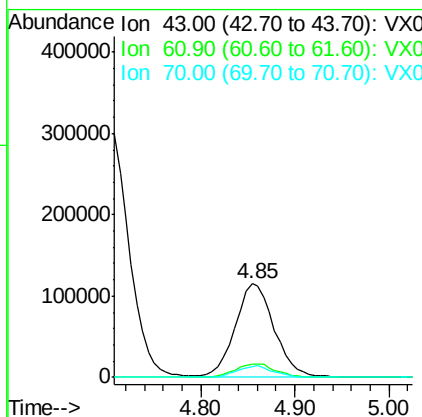
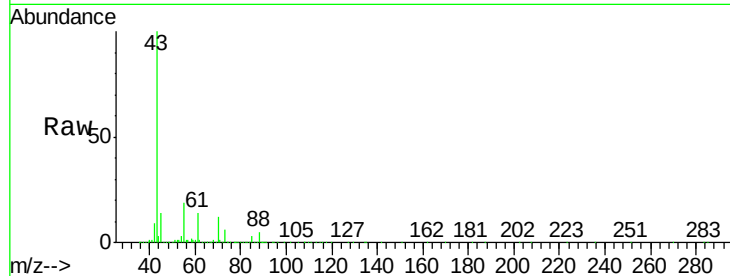
#37
Ethyl Acetate
Concen: 47.861 ug/l
RT: 4.85 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.3	16.9
70	12.0	8.6	13.0

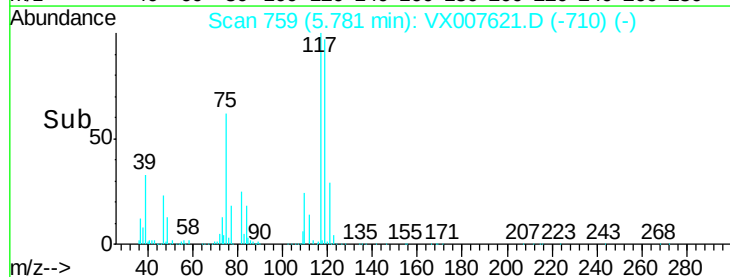
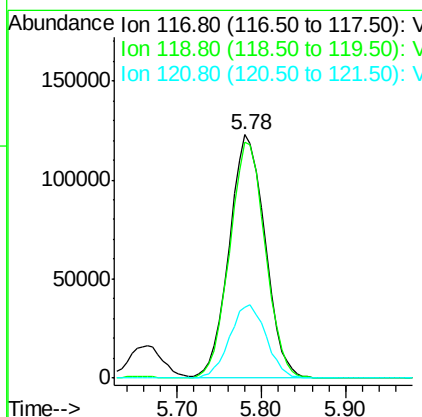
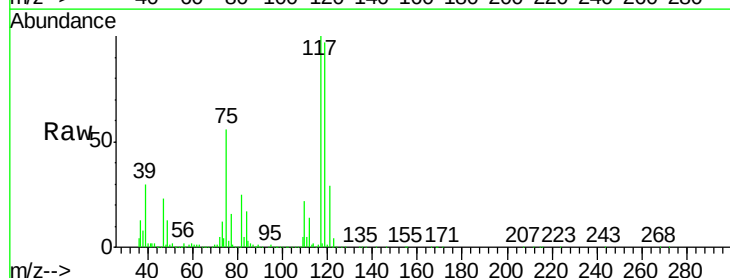
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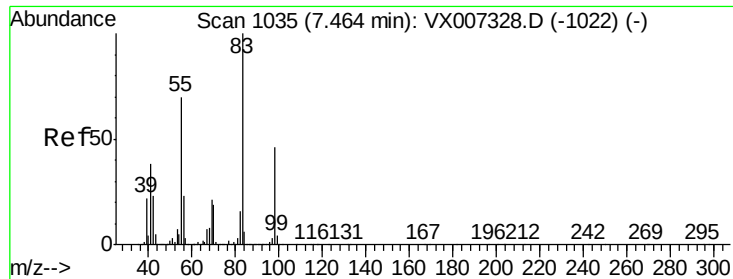
MMDadoda
2/22/2019 10:40:17 AM



#38
Carbon Tetrachloride
Concen: 53.253 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	28.9	25.0	37.4





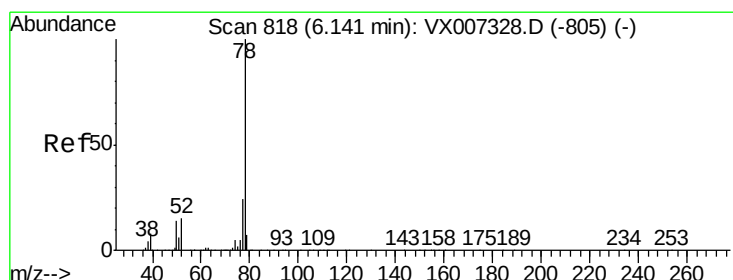
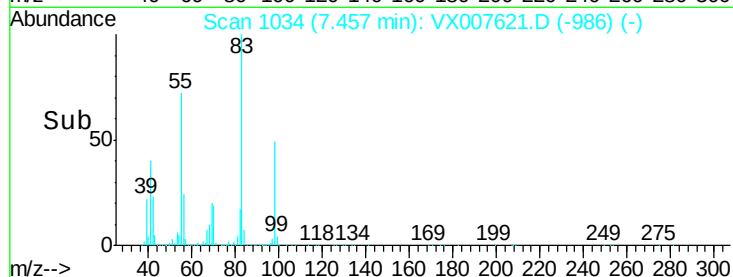
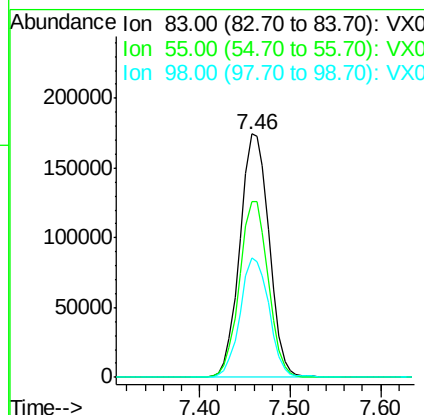
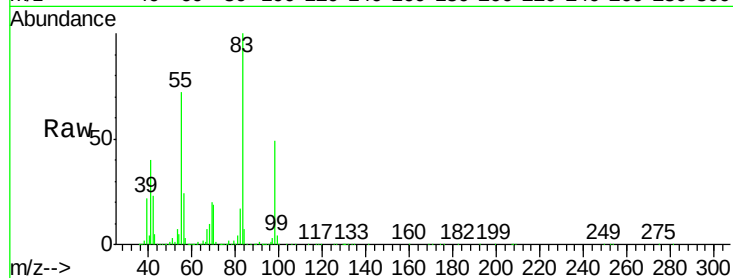
#39
Methylvlcyclohexane
Concen: 47.046 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	389463		
55	72.0		56.2	84.2
98	48.8		36.8	55.2

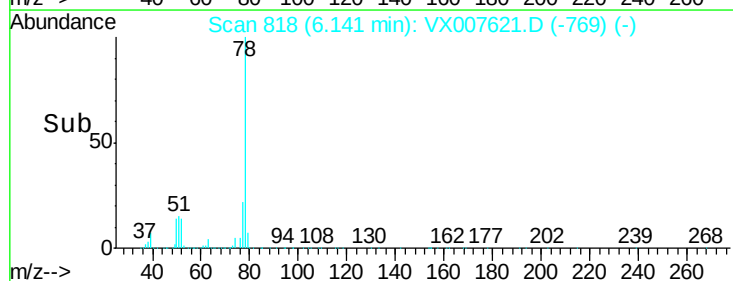
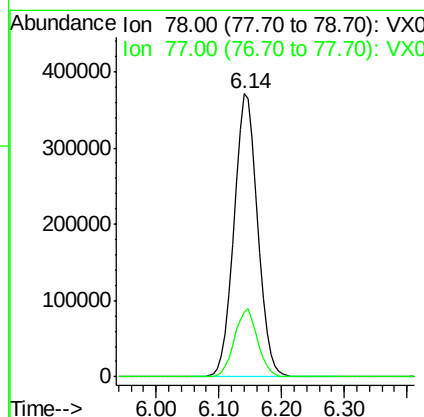
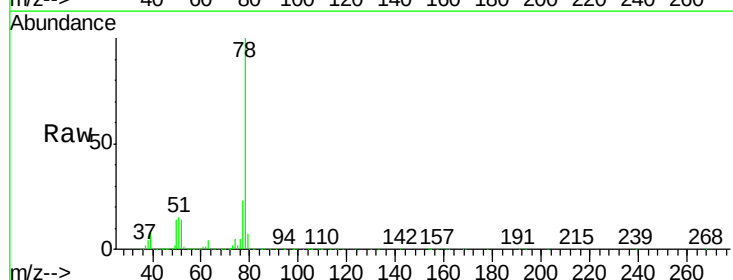
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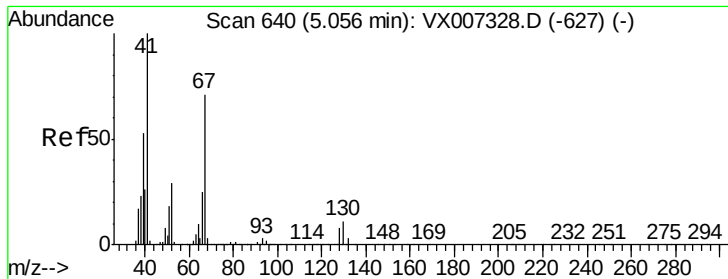
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#40
Benzene
Concen: 47.881 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	965037		
77	22.7		19.3	28.9





#41

Methacrylonitrile

Concen: 50.725 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

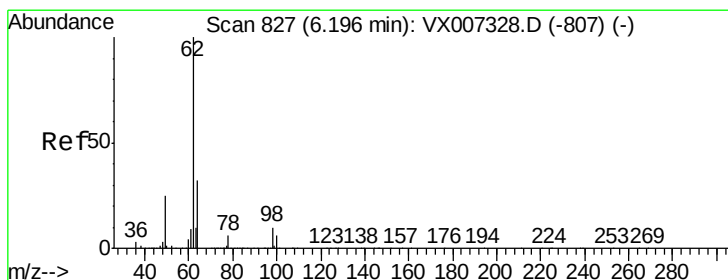
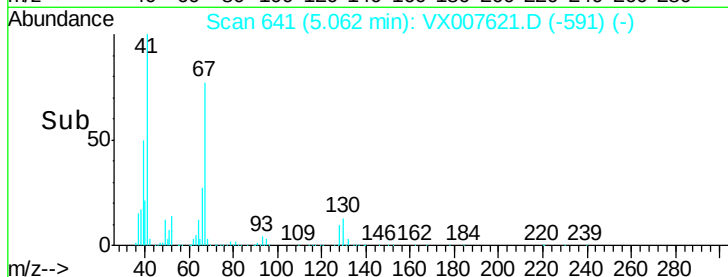
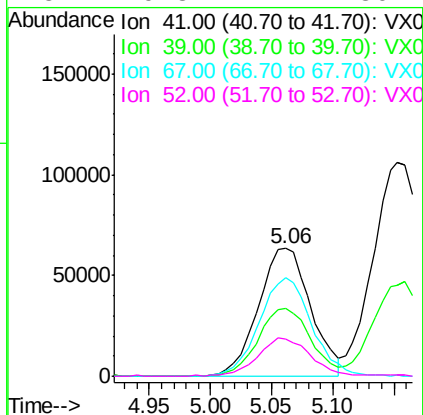
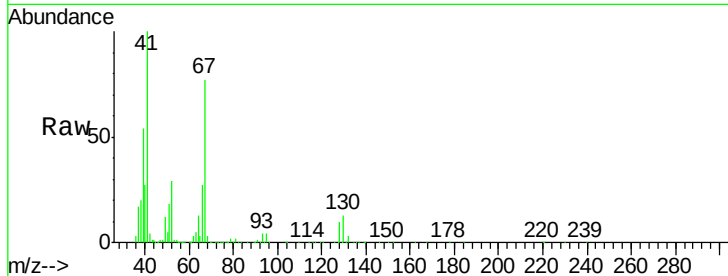
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		188034		
39	54.1	44.5	66.7		
67	77.6	60.4	90.6		
52	29.8	24.1	36.1		

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.831 ug/l

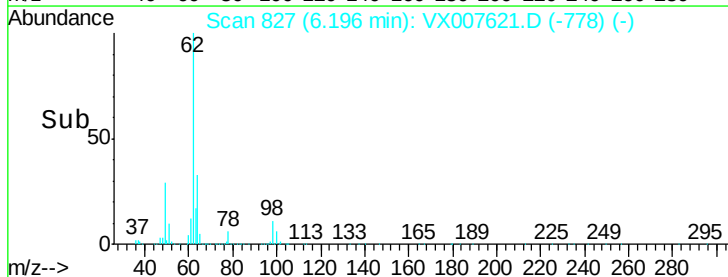
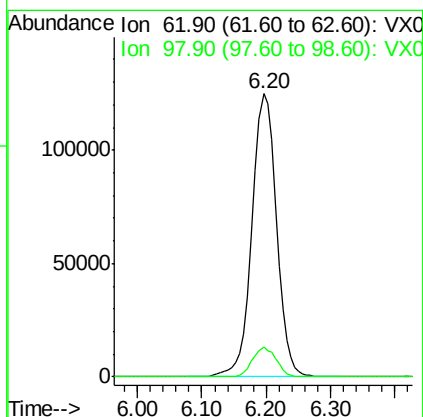
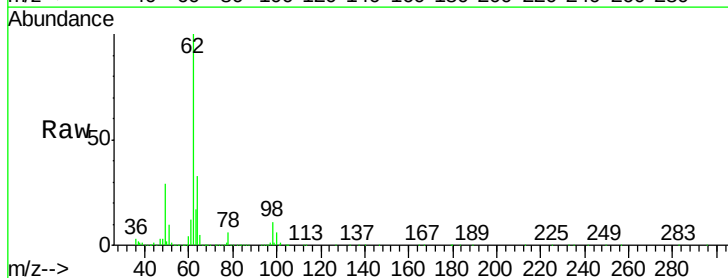
RT: 6.20 min Scan# 827

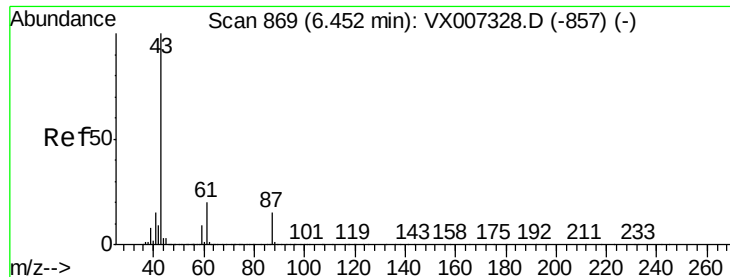
Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		326576		
98	10.2	0.0	19.0		





#43

Isopropyl Acetate

Concen: 50.192 ug/l

RT: 6.46 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

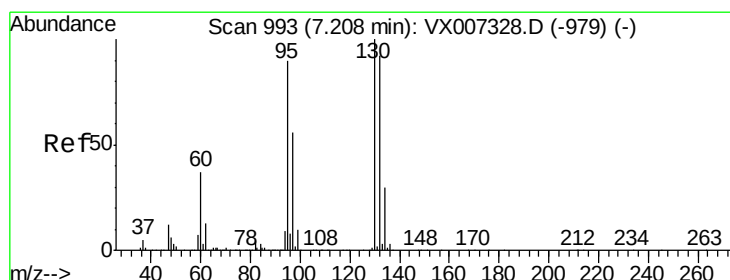
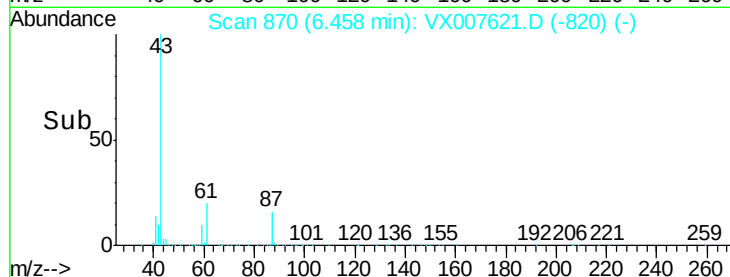
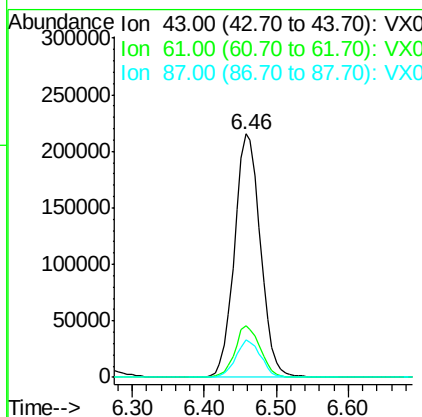
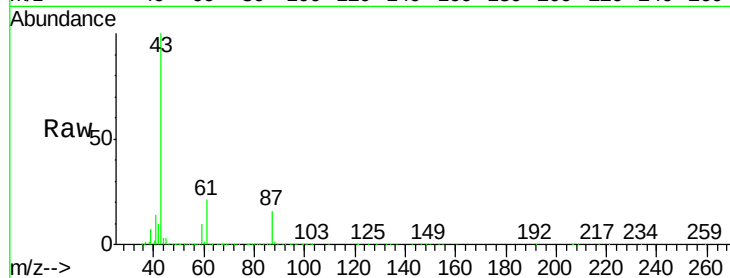
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	535844
Ion Ratio		Lower	Upper
43	100		
61	20.6	16.1	24.1
87	15.0	11.5	17.3

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#44

Trichloroethene

Concen: 47.622 ug/l

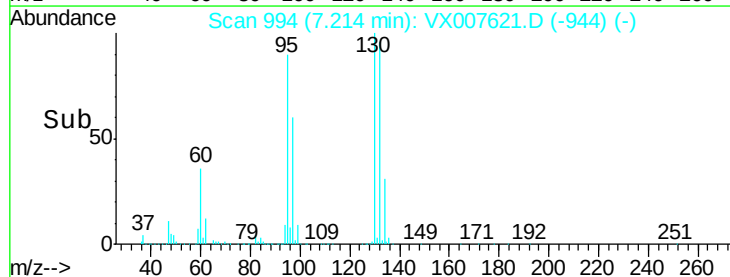
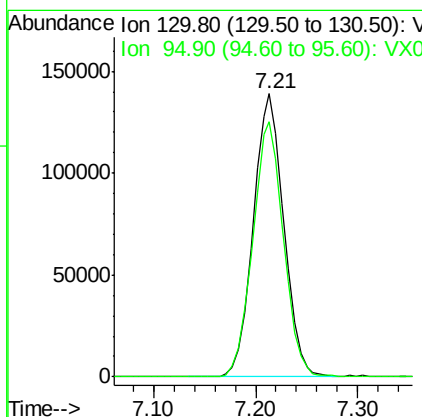
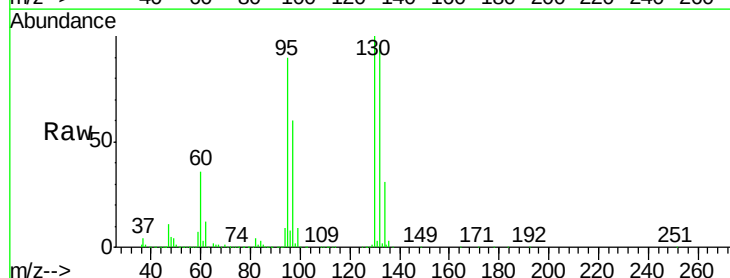
RT: 7.21 min Scan# 994

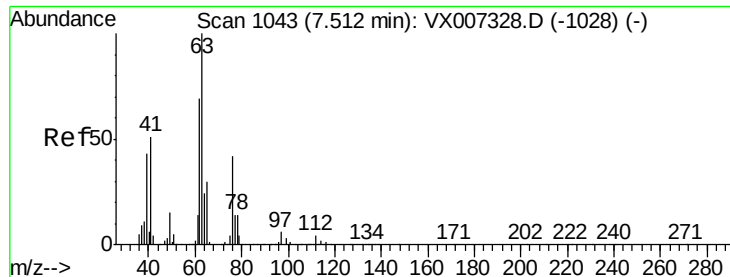
Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion:	130	Resp:	289075
Ion Ratio		Lower	Upper
130	100		
95	90.3	0.0	180.0





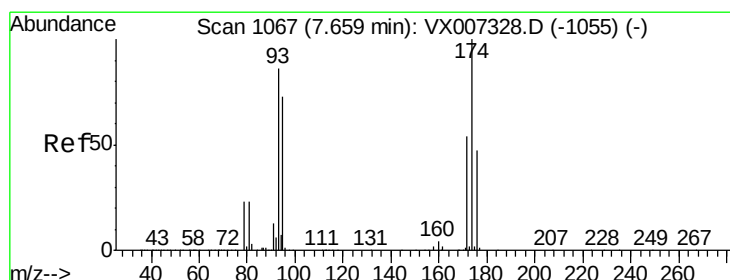
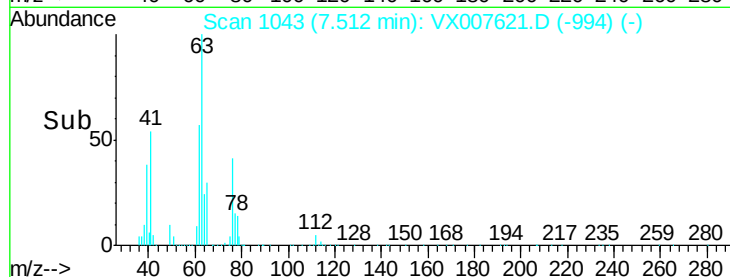
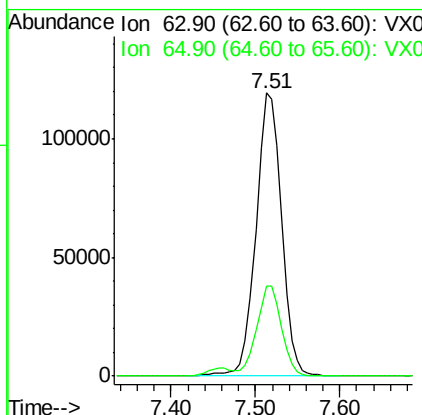
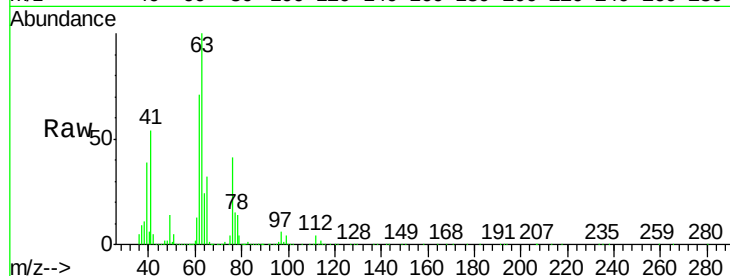
#45
 1,2-Dichloropropane
 Concen: 49.148 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	24.2	36.2

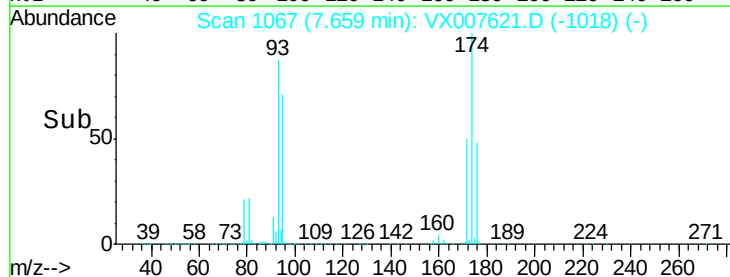
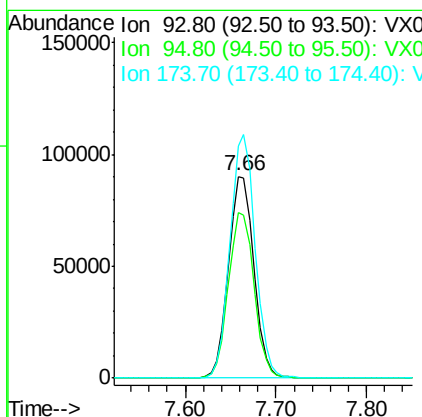
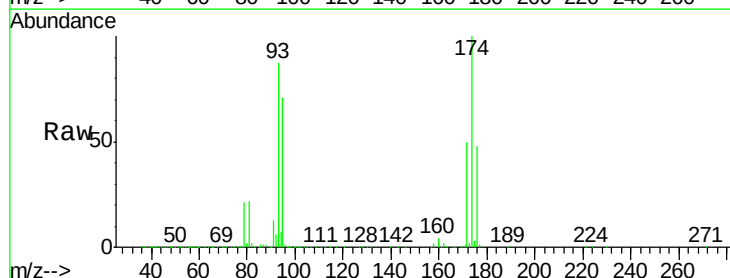
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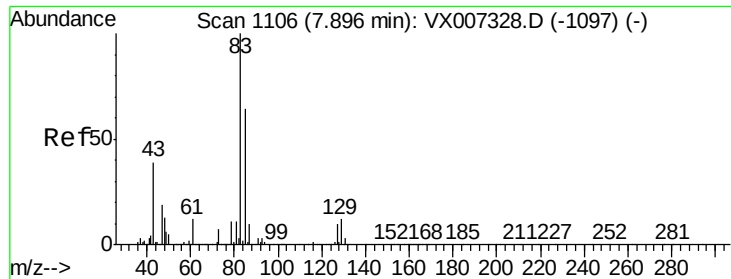
MMDadoda
 2/22/2019 10:40:17 AM



#46
 Dibromomethane
 Concen: 48.034 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.0	67.6	101.4
174	119.1	94.2	141.4





#47

Bromodichloromethane

Concen: 52.854 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

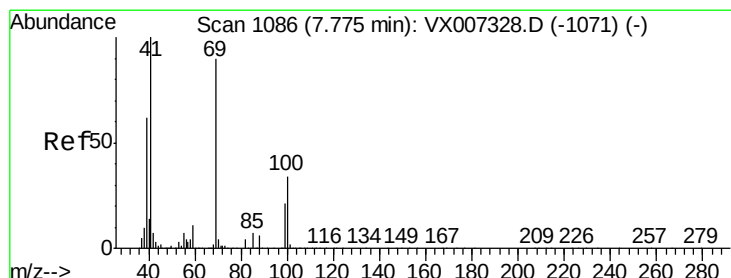
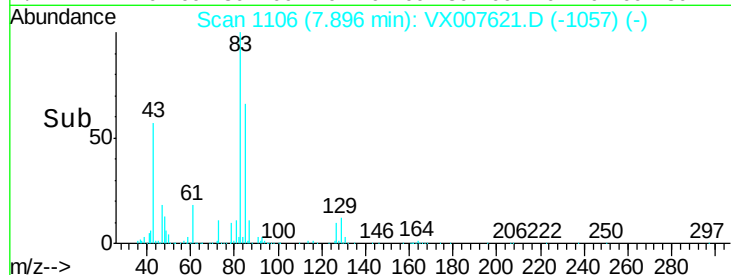
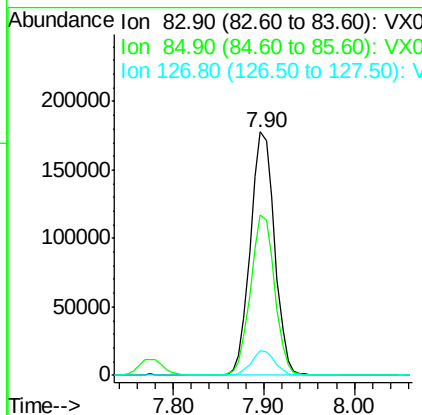
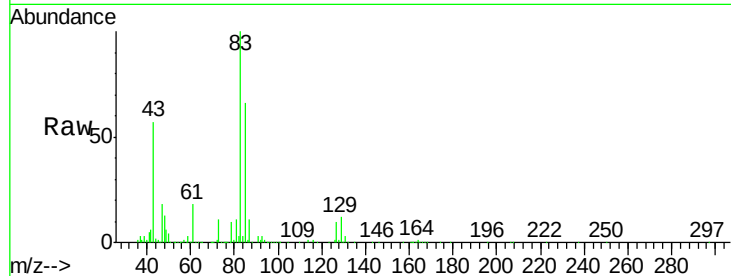
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	328767
Ion Ratio	Lower	Upper	
83	100		
85	65.8	51.4	77.0
127	10.4	8.1	12.1

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#48

Methyl methacrylate

Concen: 50.777 ug/l

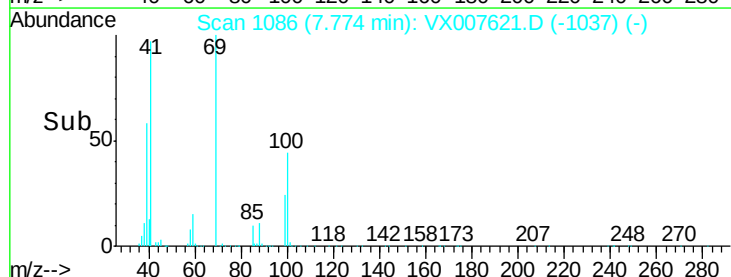
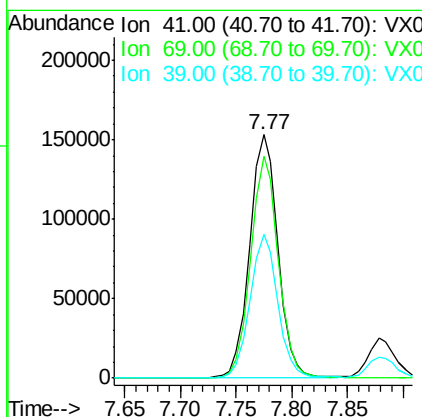
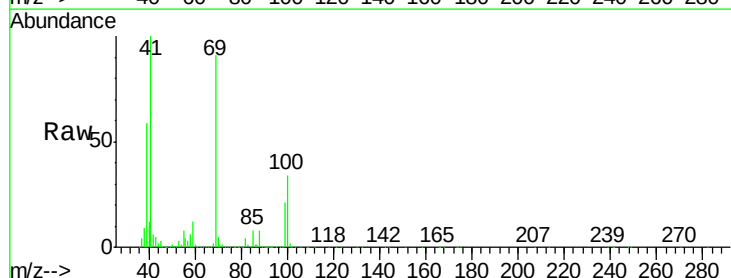
RT: 7.77 min Scan# 1086

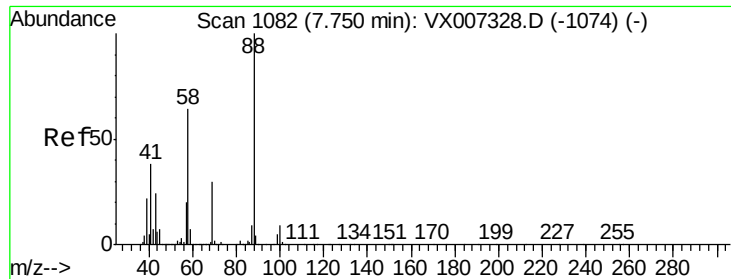
Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion:	41	Resp:	271151
Ion Ratio	Lower	Upper	
41	100		
69	90.2	70.2	105.4
39	57.7	47.4	71.0





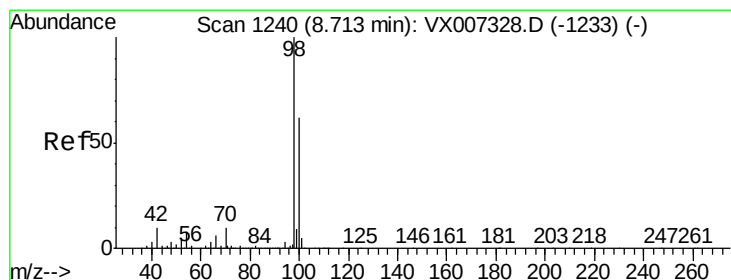
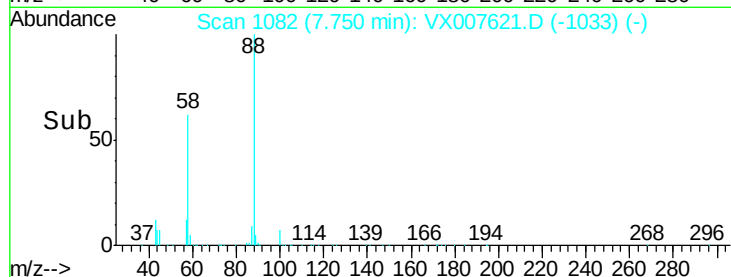
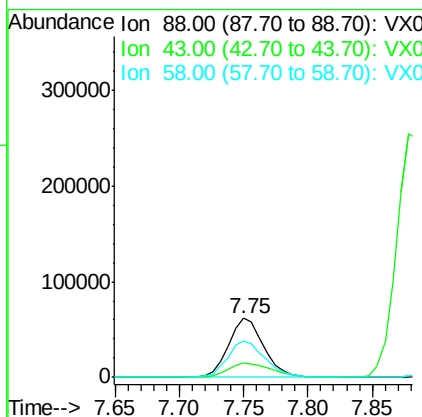
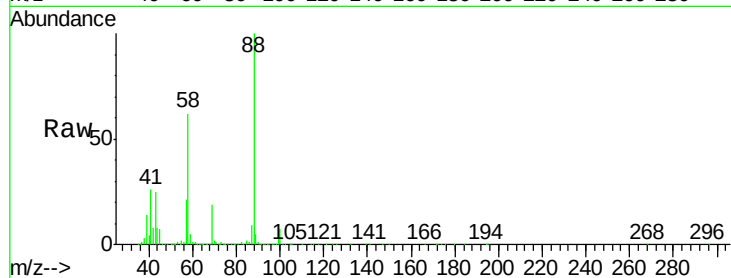
#49
1,4-Dioxane
Concen: 963.969 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.5	24.2	36.4
58	66.2	53.0	79.4

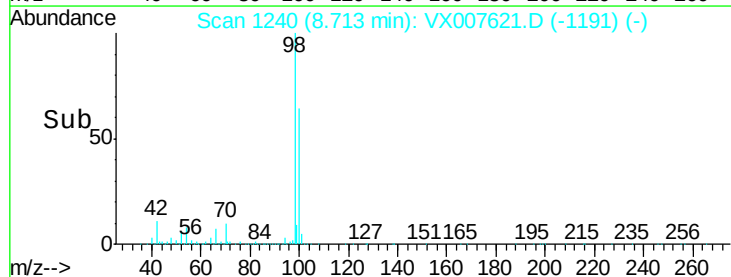
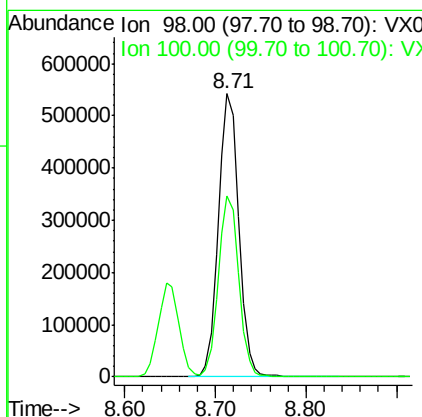
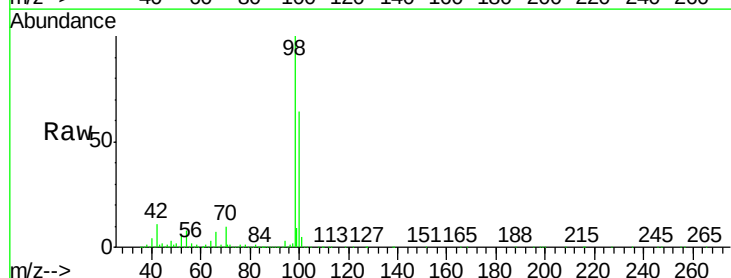
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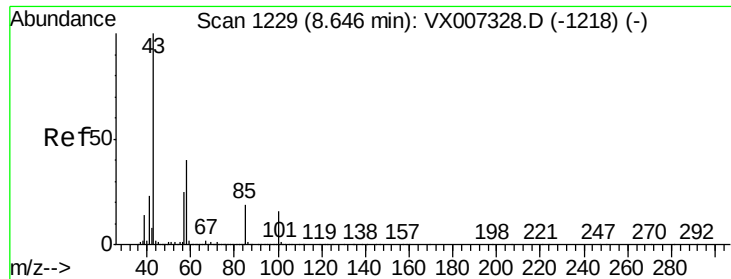
MMDadoda
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#50
Toluene-d8
Concen: 46.503 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 255.521 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1795790

Ion Ratio Lower Upper

43 100

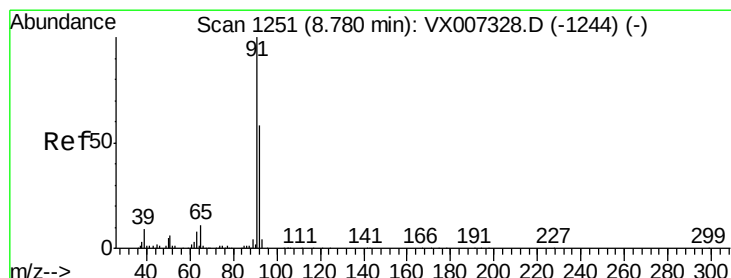
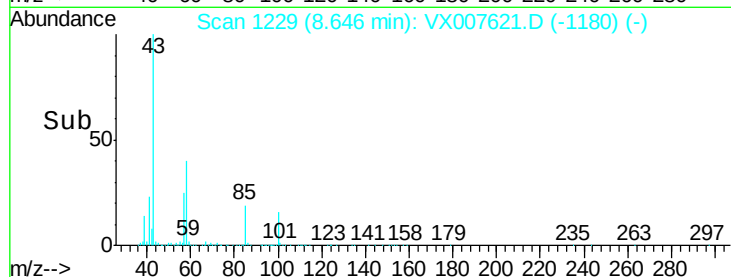
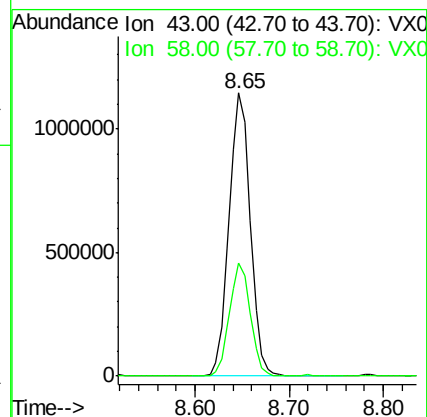
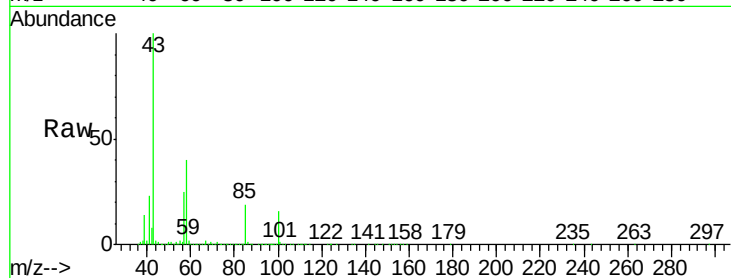
58 39.1 31.2 46.8

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#52

Toluene

Concen: 46.520 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX007621.D

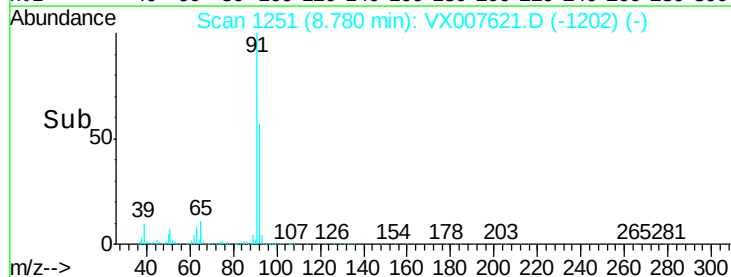
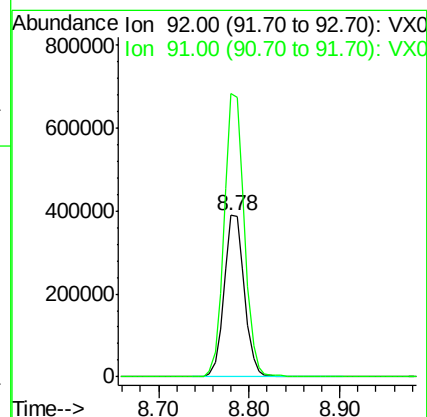
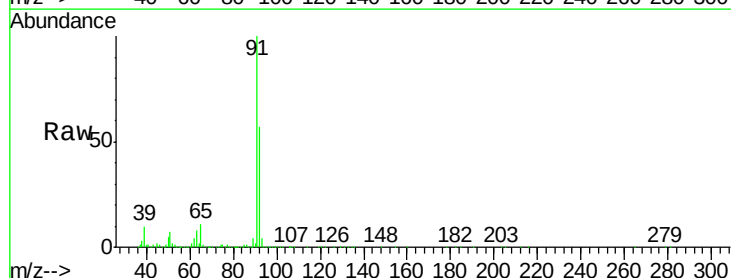
Acq: 21 Feb 2019 10:46

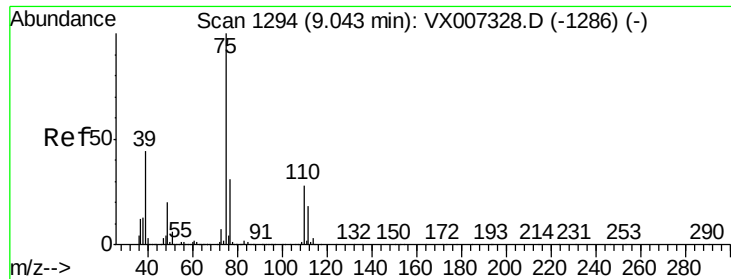
Tgt Ion: 92 Resp: 604939

Ion Ratio Lower Upper

92 100

91 175.1 139.1 208.7





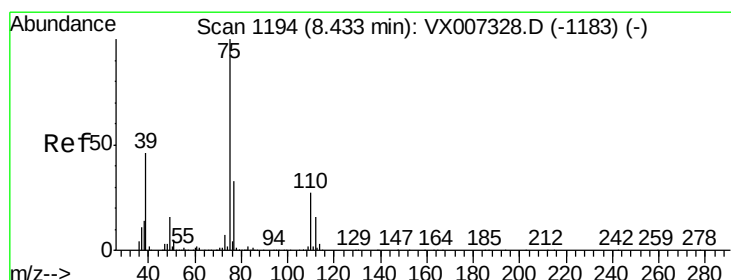
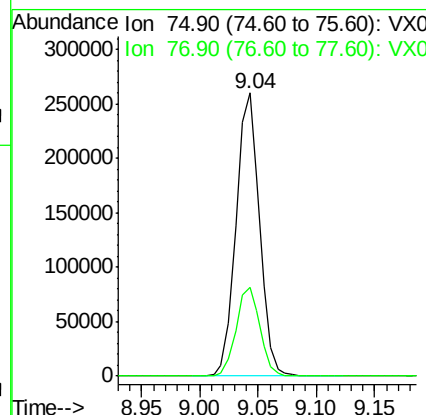
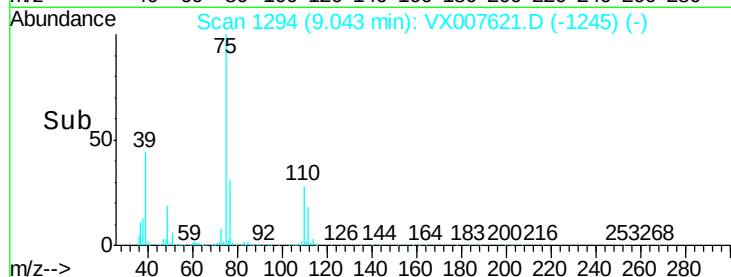
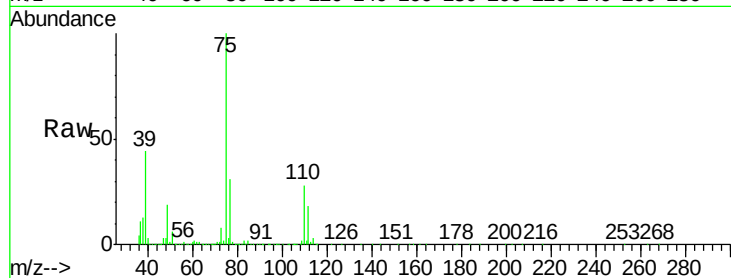
#53
t-1,3-Dichloropropene
Concen: 54.647 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.2	37.8

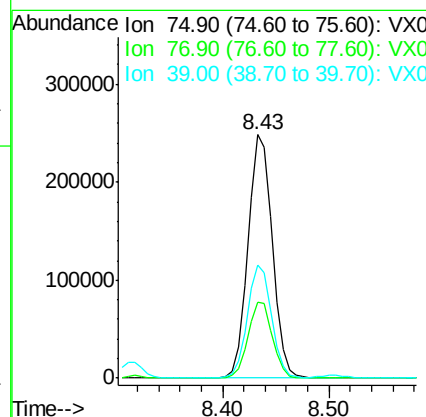
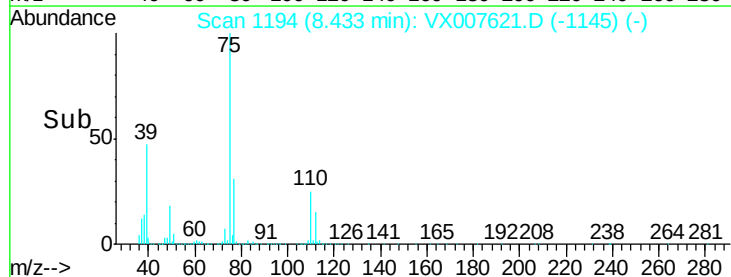
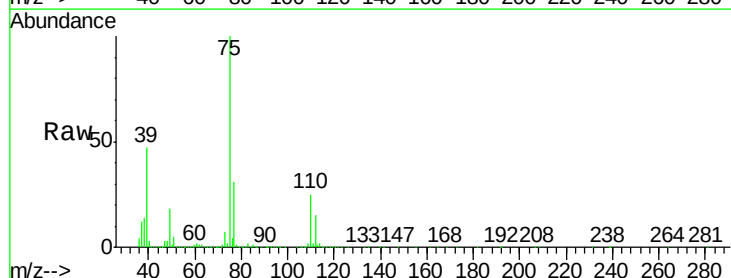
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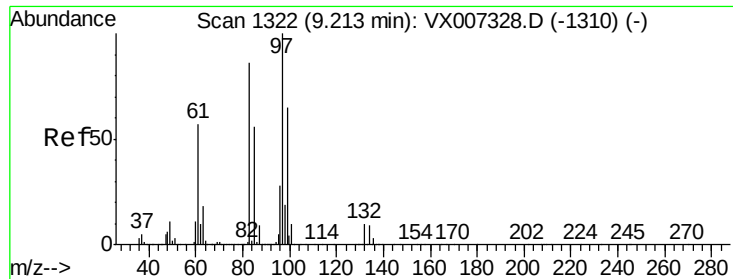
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 54.351 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.2	39.4
39	46.5	37.1	55.7





#55

1,1,2-Trichloroethane

Concen: 48.849 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

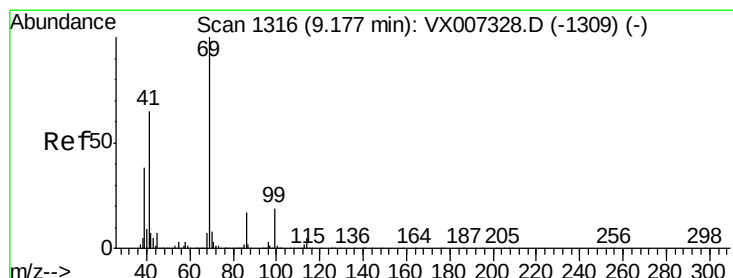
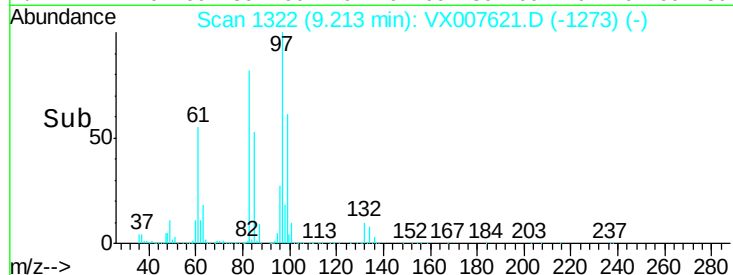
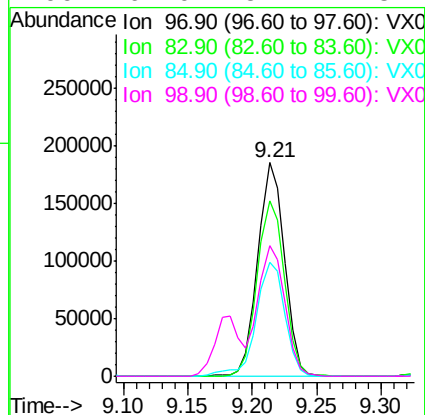
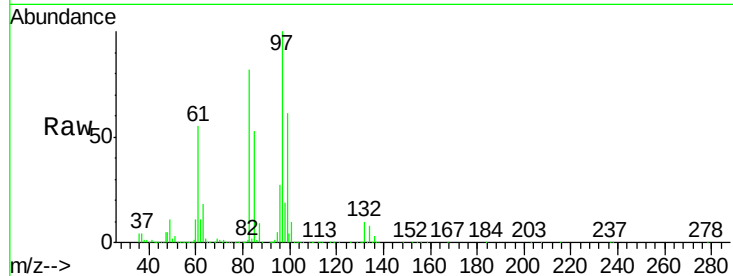
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		264785		
83	82.4	68.6	102.8		
85	53.0	44.5	66.7		
99	61.0	52.2	78.4		

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#56

Ethyl methacrylate

Concen: 50.088 ug/l

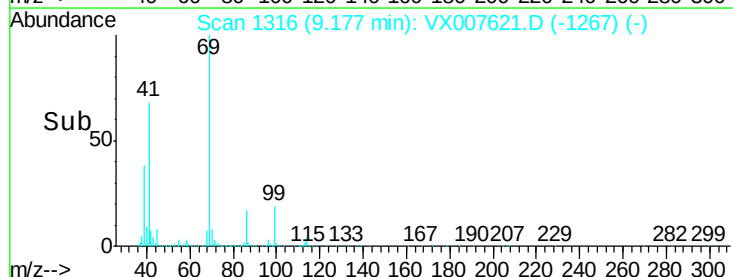
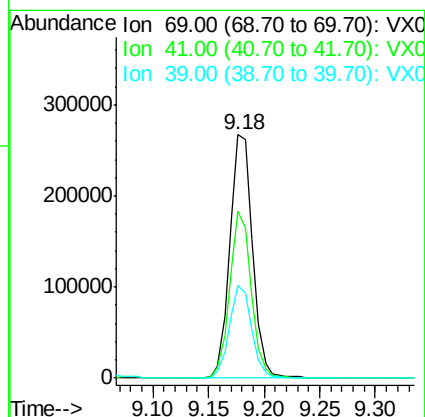
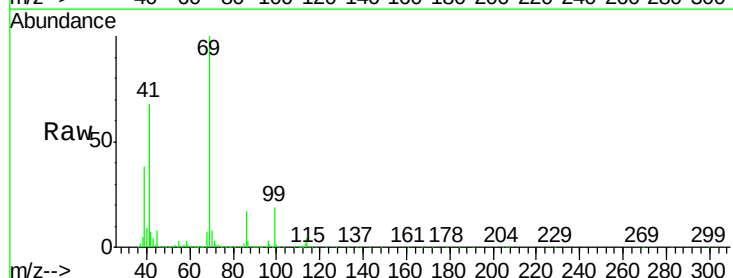
RT: 9.18 min Scan# 1316

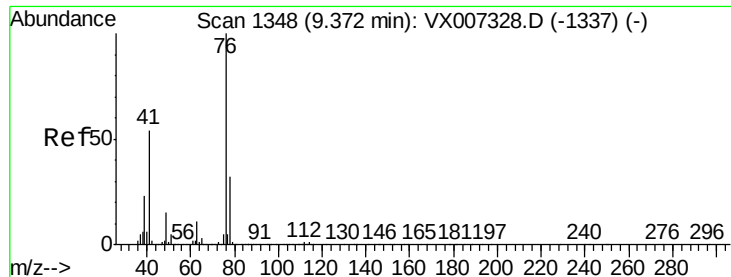
Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		376040		
41	64.7	52.1	78.1		
39	37.4	30.1	45.1		





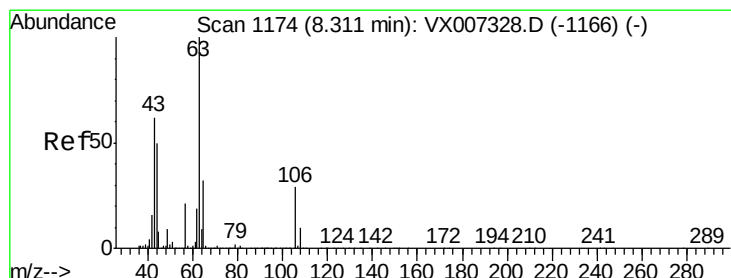
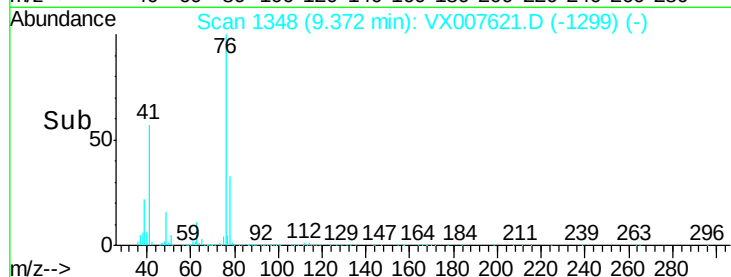
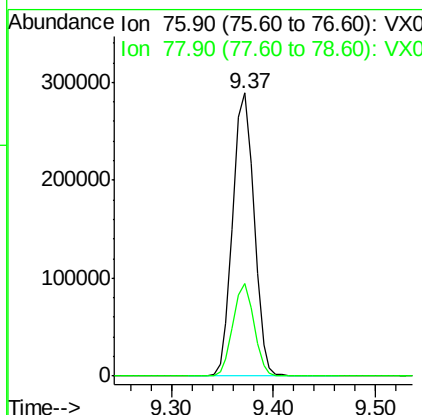
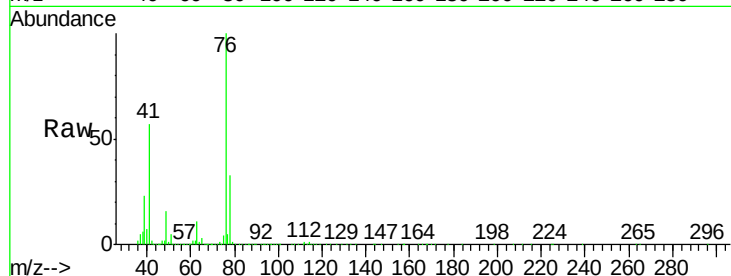
#57
 1,3-Dichloropropane
 Concen: 48.508 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

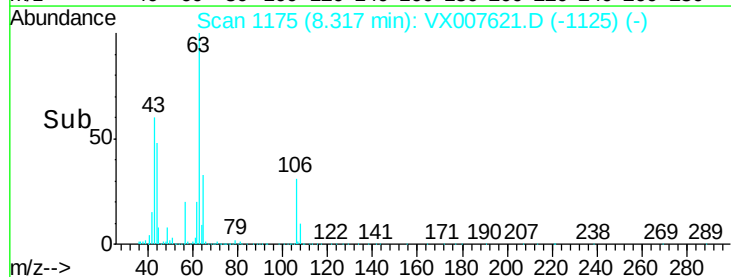
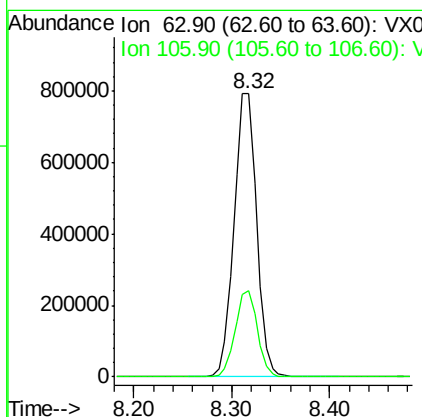
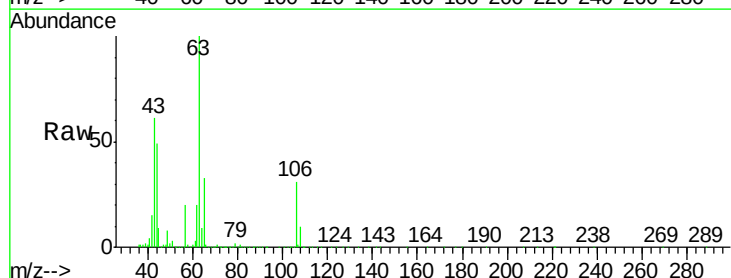
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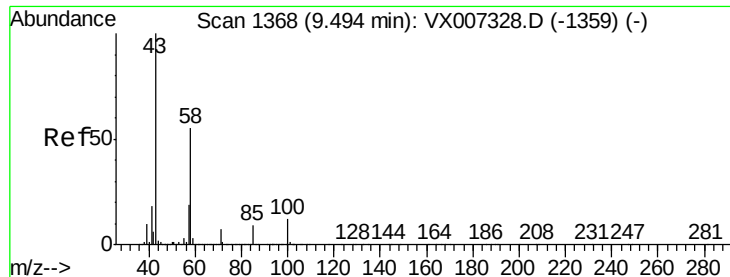
MMDadoda
 2/22/2019 10:40:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 320.764 ug/l
 RT: 8.32 min Scan# 1175
 Delta R.T. 0.01 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.6	35.4





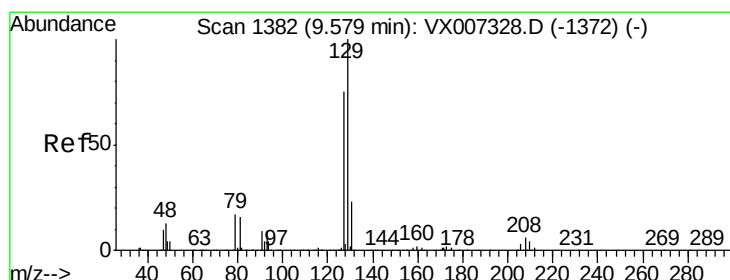
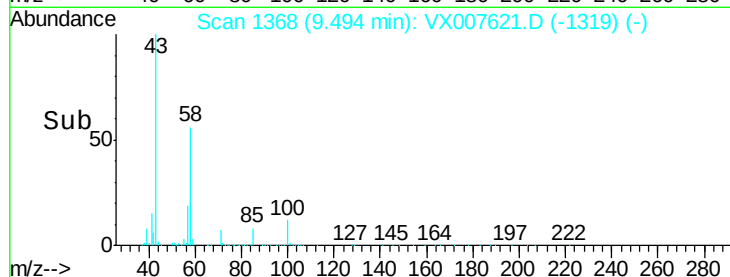
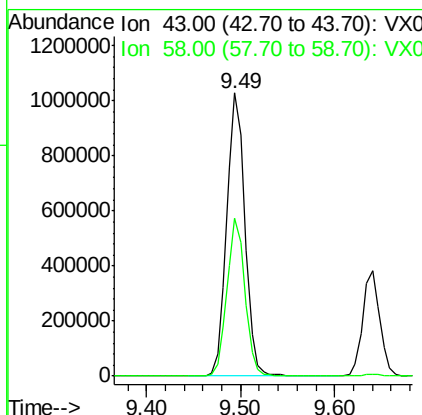
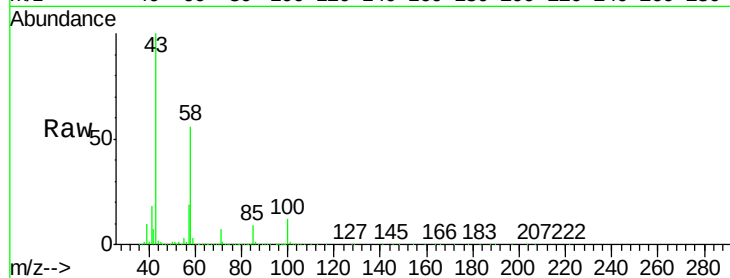
#59
2-Hexanone
Concen: 252.565 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1381262
Ion Ratio Lower Upper
43 100
58 55.1 27.1 81.3

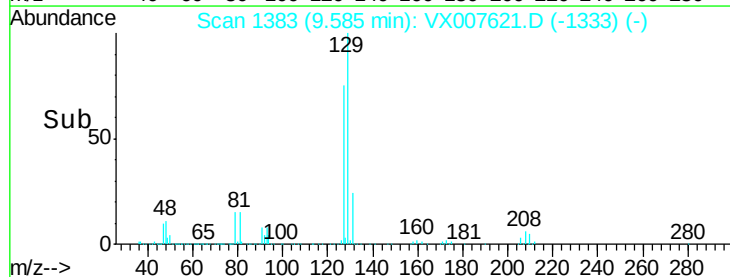
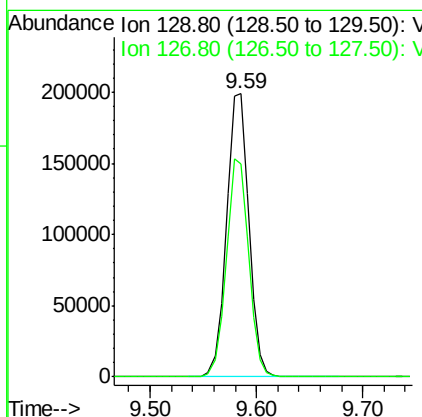
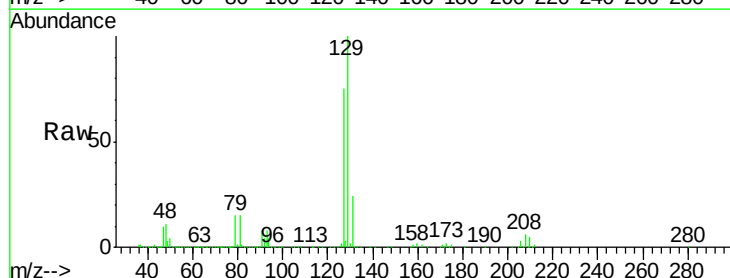
Manual Integrations
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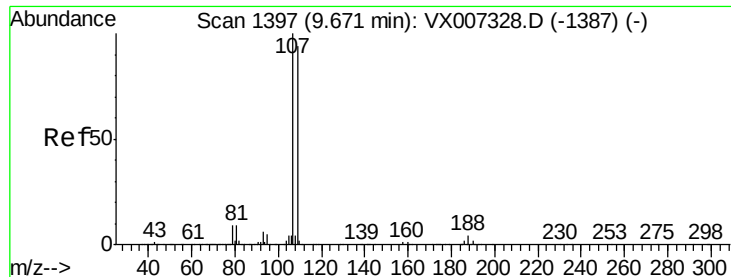
MMDadoda
2/22/2019 10:40:17 AM



#60
Dibromochloromethane
Concen: 57.063 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion: 129 Resp: 292536
Ion Ratio Lower Upper
129 100
127 77.2 37.8 113.4





#61

1,2-Dibromoethane

Concen: 48.771 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 279965

Ion Ratio Lower Upper

107 100

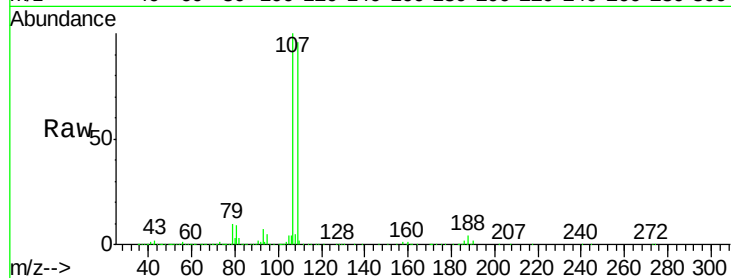
109 95.0 75.1 112.7

Manual Integrations

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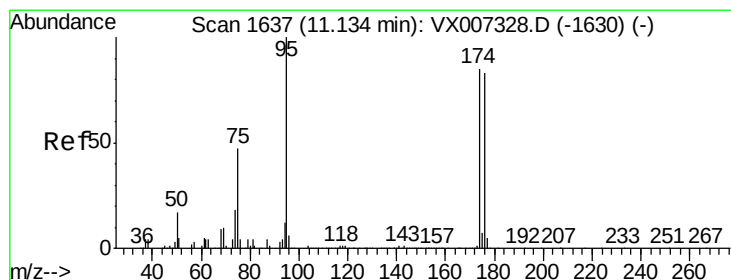
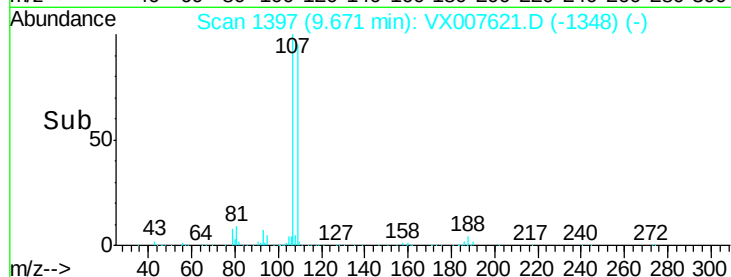
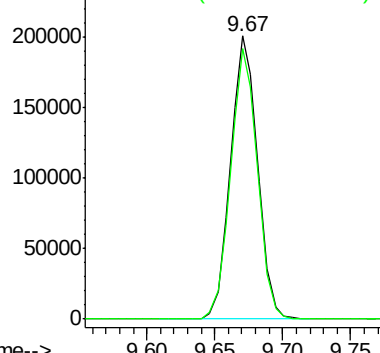
MMDadoda

2/22/2019 10:40:17 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.566 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

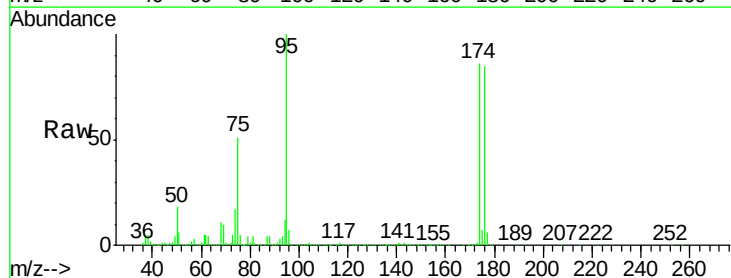
Tgt Ion: 95 Resp: 306259

Ion Ratio Lower Upper

95 100

174 94.1 0.0 189.2

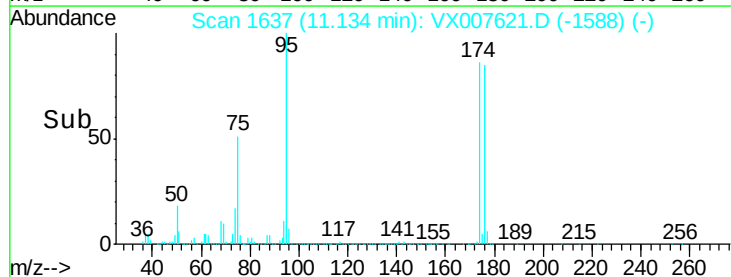
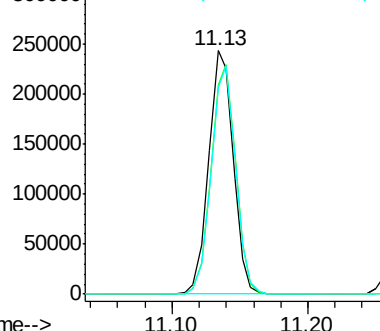
176 93.0 0.0 186.2

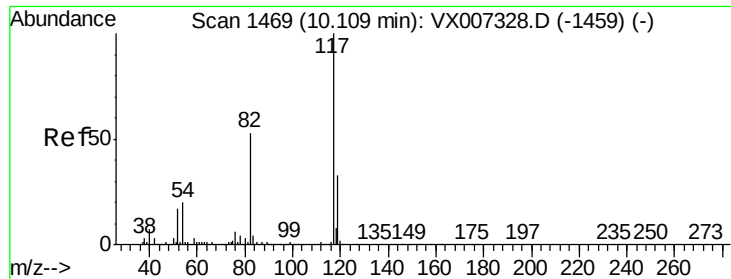


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





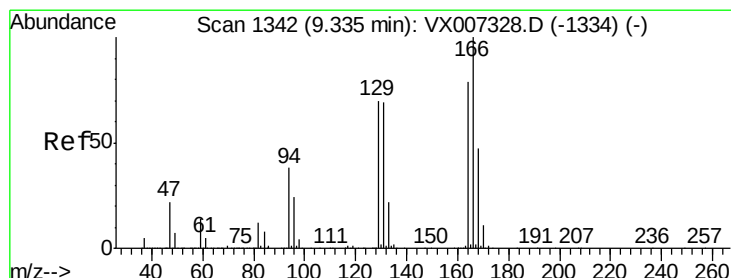
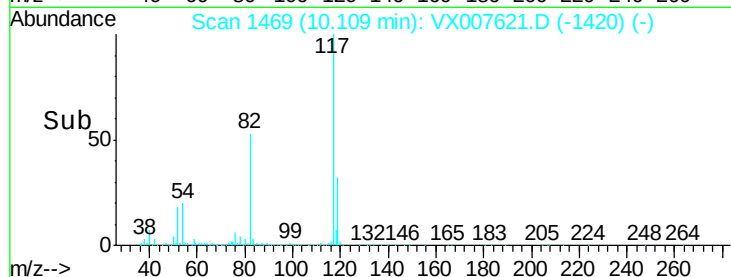
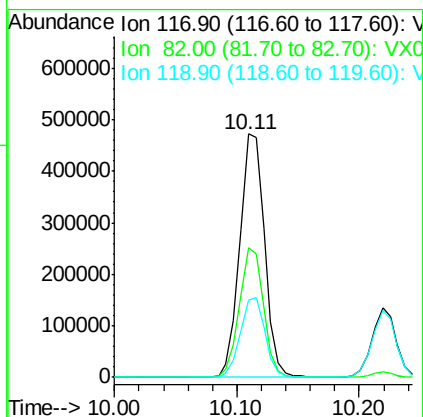
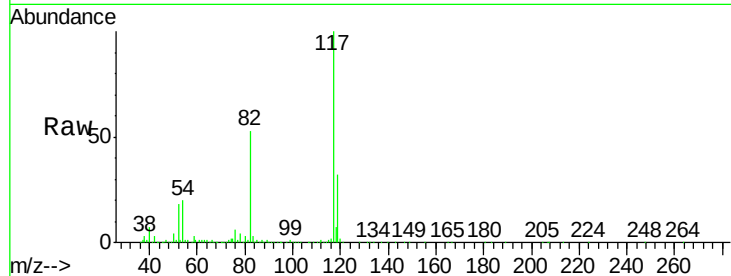
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.1	63.1
119	31.9	26.5	39.7

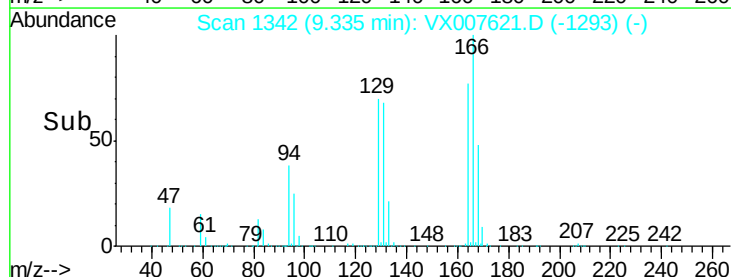
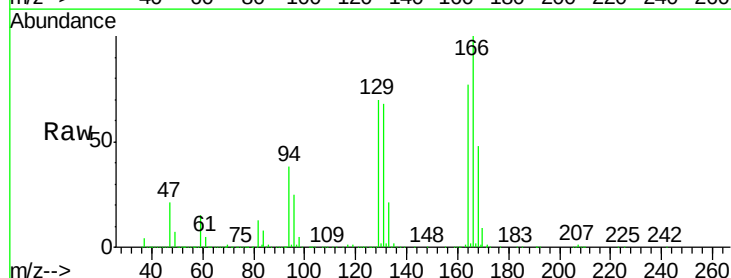
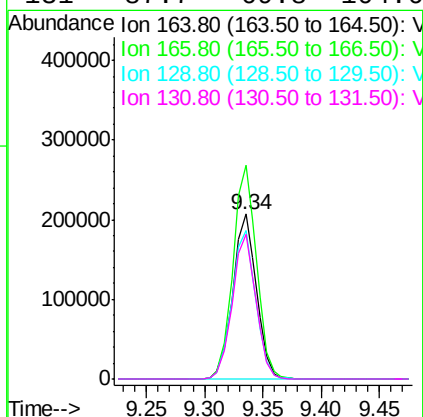
Manual Integrations
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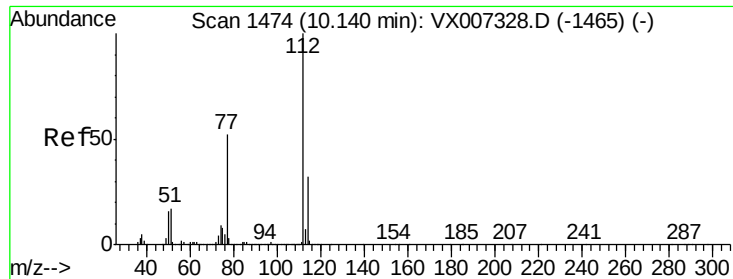
MMDadoda
2/22/2019 10:40:17 AM



#64
Tetrachloroethene
Concen: 47.061 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.7	101.0	151.4
129	90.3	70.5	105.7
131	87.7	69.8	104.6





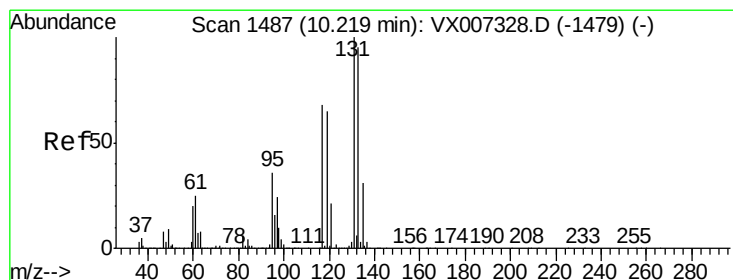
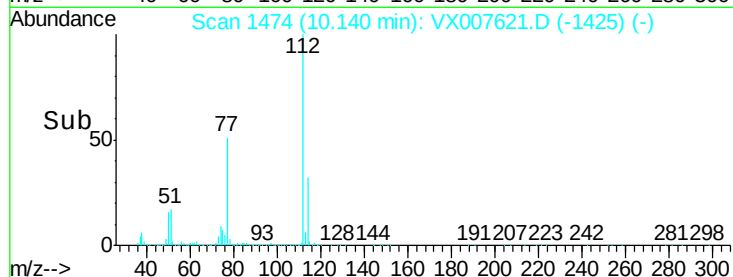
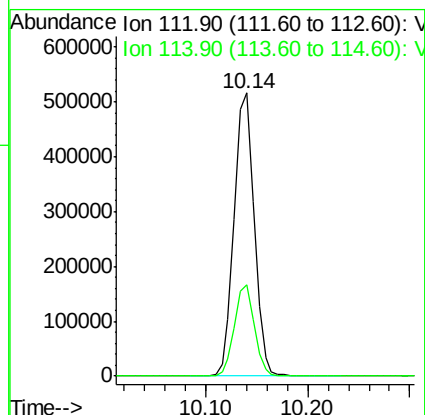
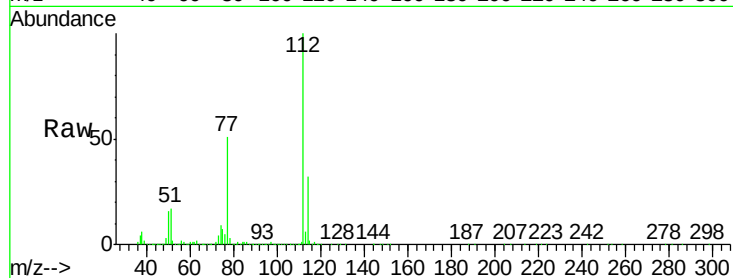
#65
Chlorobenzene
Concen: 48.682 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.8	38.6

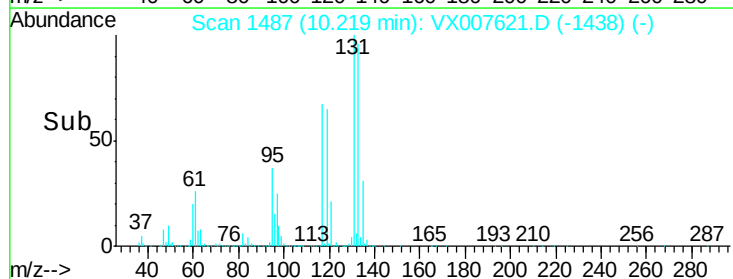
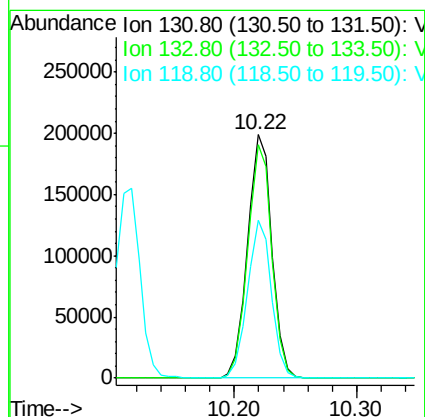
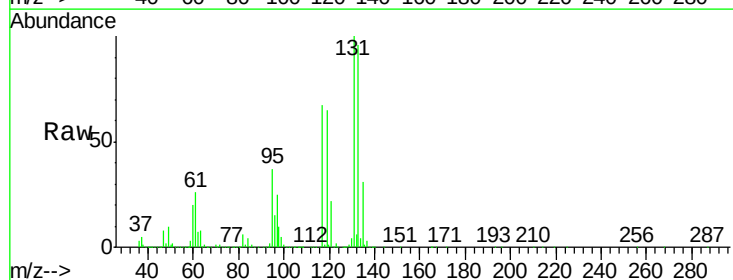
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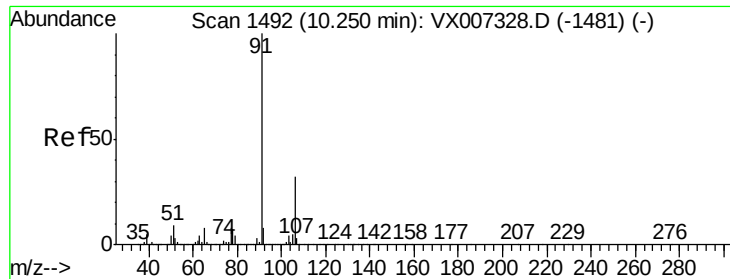
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.761 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	48.0	144.2
119	63.8	32.0	96.0





#67

Ethyl Benzene

Concen: 50.128 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1165472

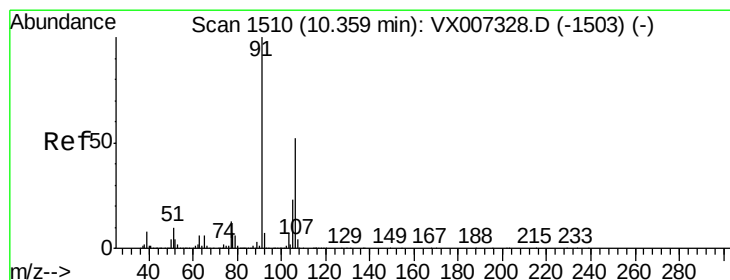
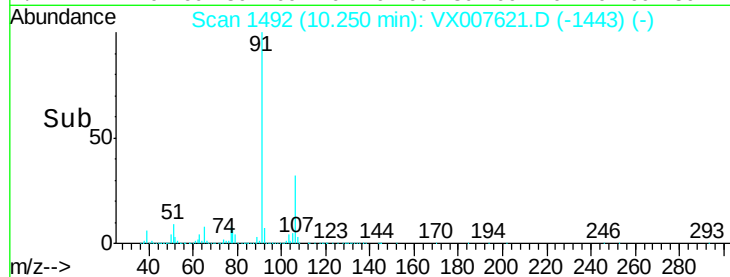
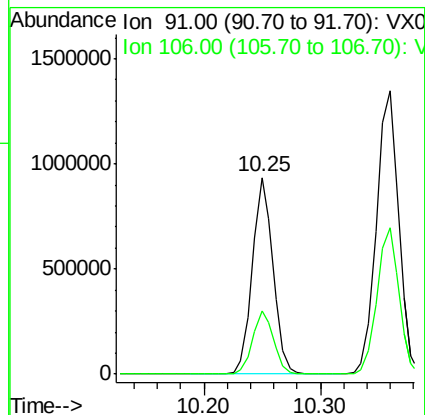
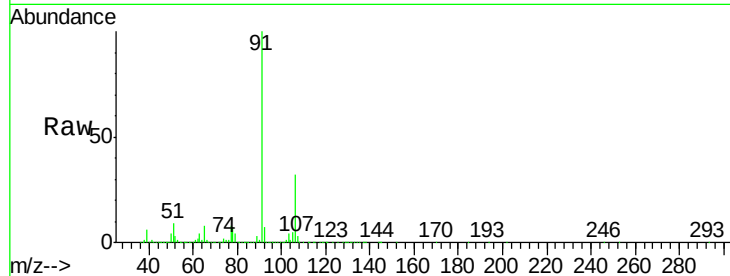
Ion Ratio Lower Upper

91 100

106 32.0 25.4 38.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 99.127 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX007621.D

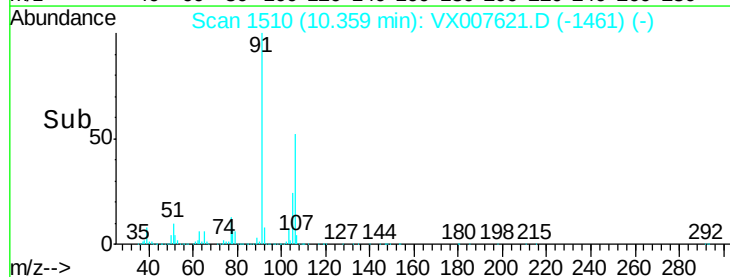
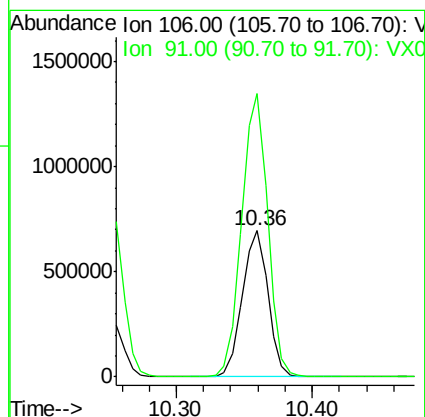
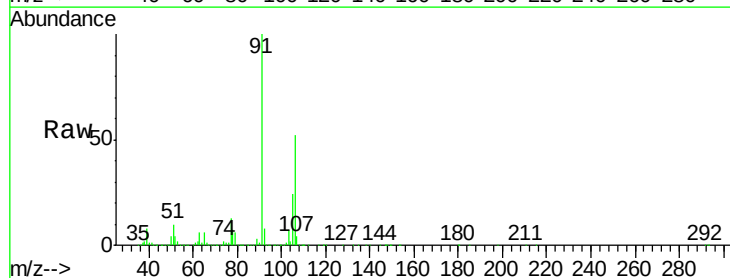
Acq: 21 Feb 2019 10:46

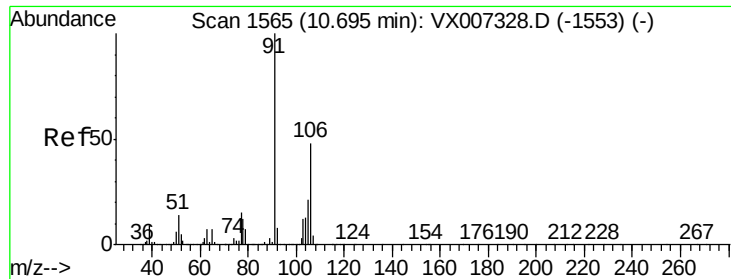
Tgt Ion: 106 Resp: 916150

Ion Ratio Lower Upper

106 100

91 196.2 156.6 234.8





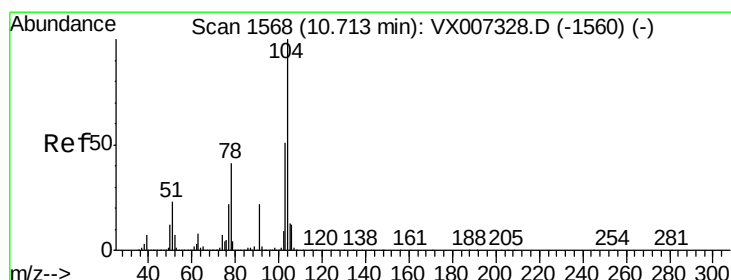
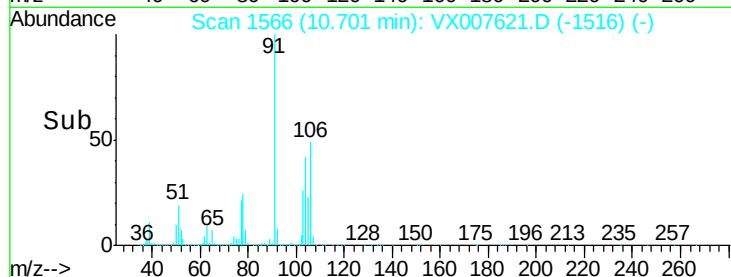
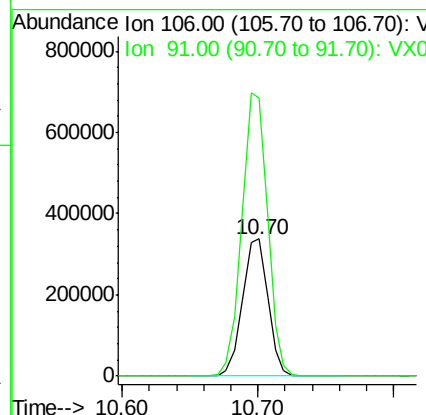
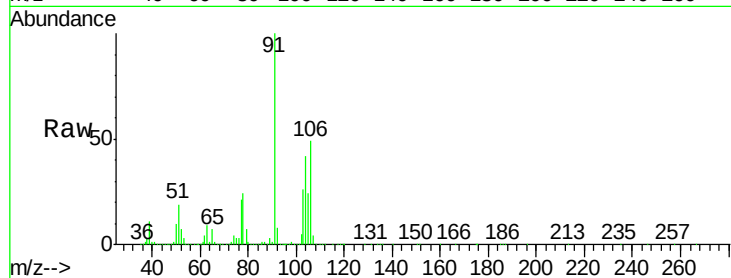
#69
o-Xylene
Concen: 49.977 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 444462
Ion Ratio Lower Upper
106 100
91 206.9 102.9 308.7

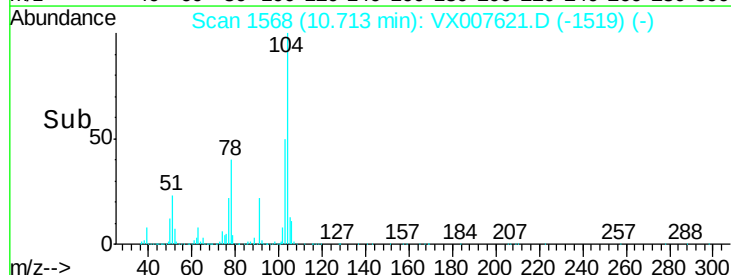
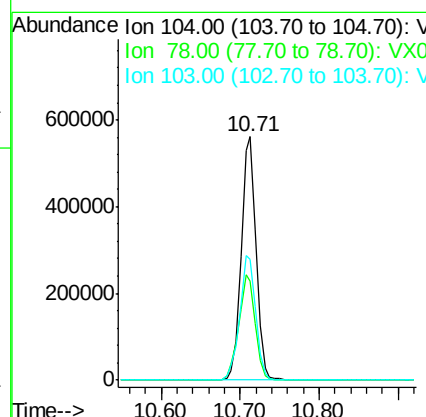
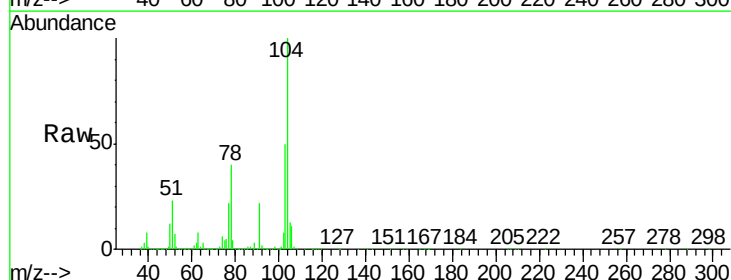
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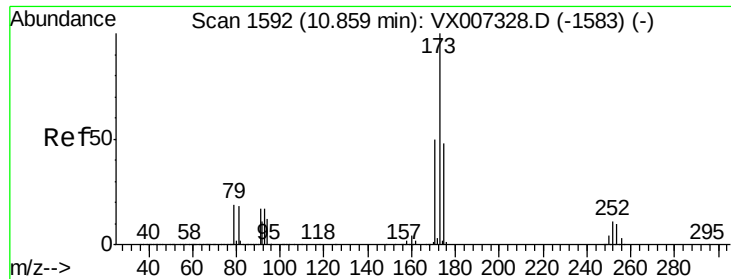
MMDadoda
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#70
Styrene
Concen: 51.016 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion:104 Resp: 735796
Ion Ratio Lower Upper
104 100
78 47.9 38.3 57.5
103 55.7 44.6 67.0





#71

Bromoform

Concen: 52.508 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

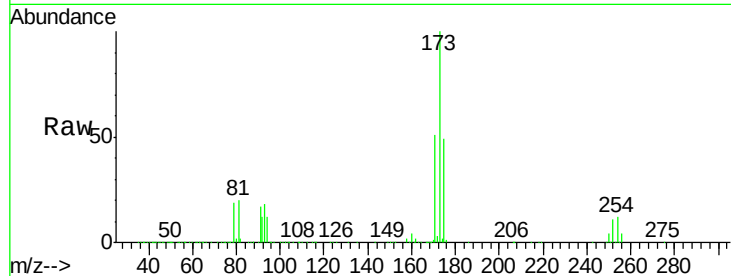
ClientSampleId :

VSTDCCC050

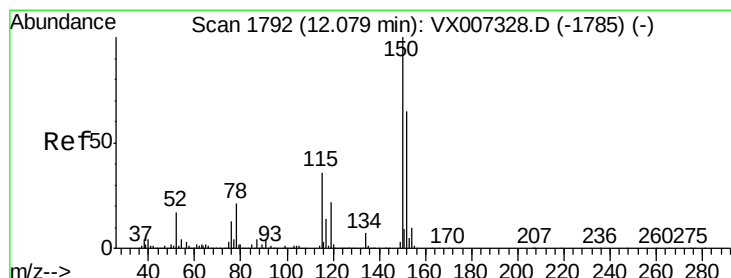
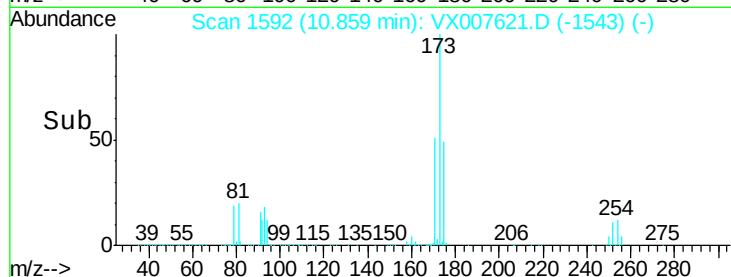
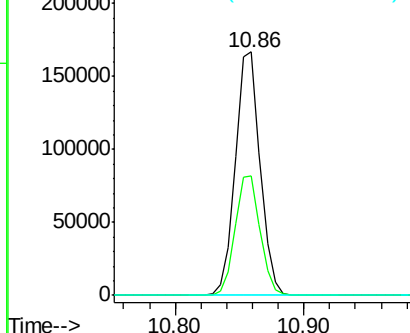
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.2	72.6
254	0.1	0.2	0.2

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

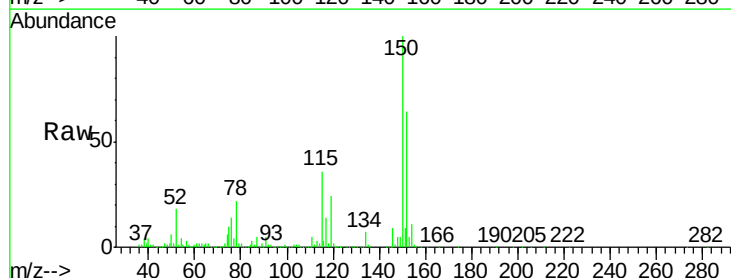
RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

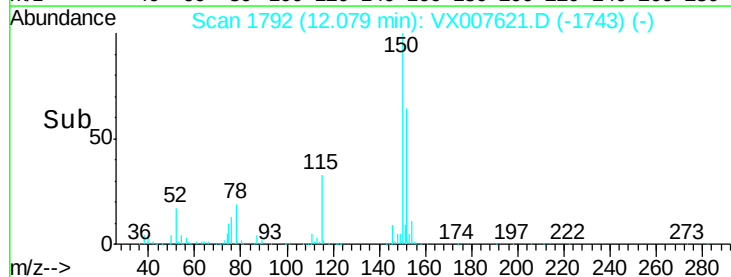
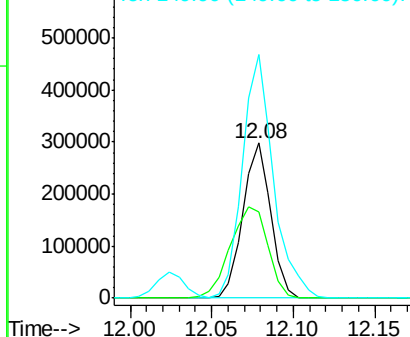
Lab File: VX007621.D

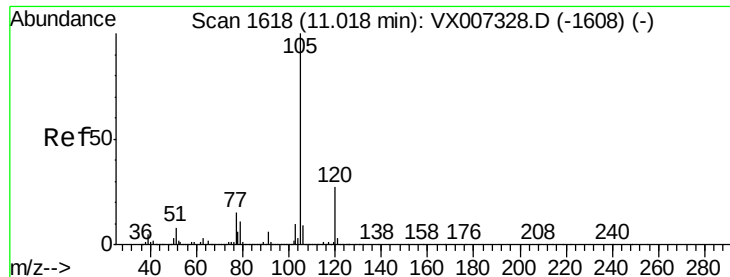
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	79.8	38.0	114.0
150	174.8	0.0	346.4



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





#73

Isopropylbenzene

Concen: 50.596 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1216171

Ion Ratio Lower Upper

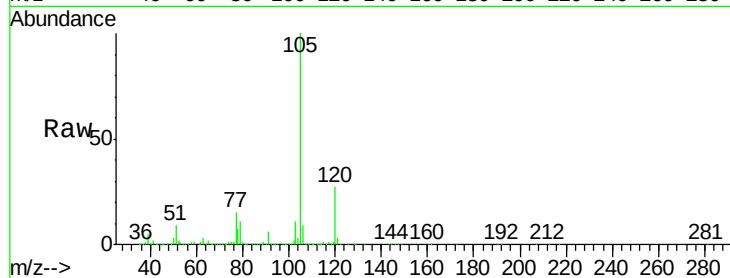
105 100

120 27.6 13.6 40.7

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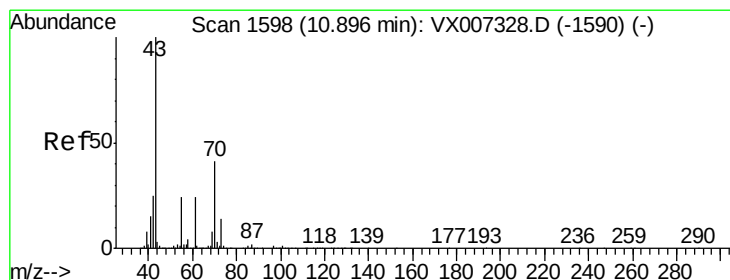
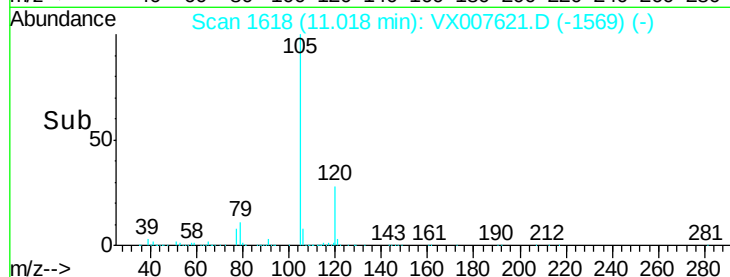
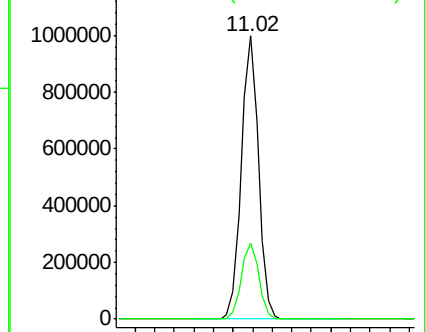
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 53.042 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion: 43 Resp: 493140

Ion Ratio Lower Upper

43 100

70 41.6 33.8 50.6

55 24.1 19.5 29.3

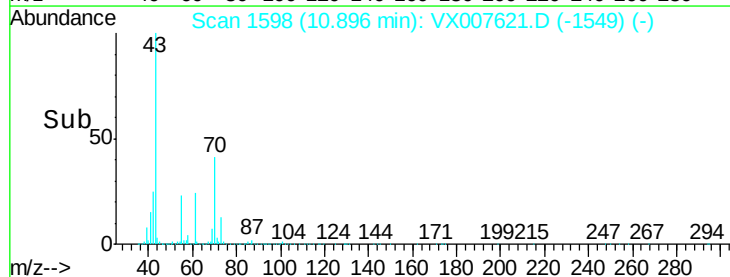
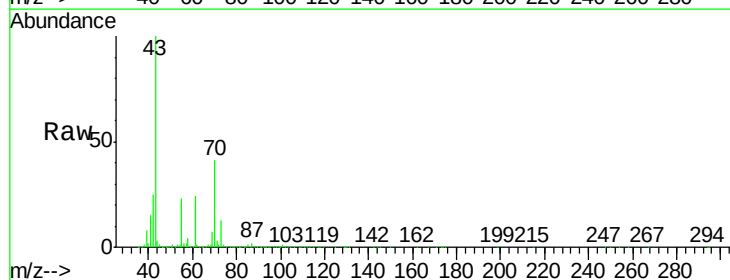
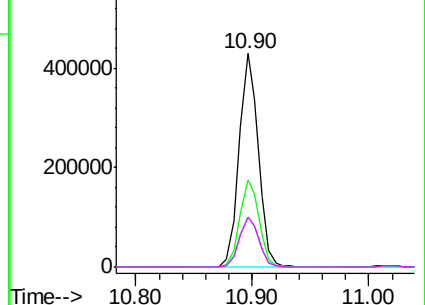
61 23.8 19.4 29.2

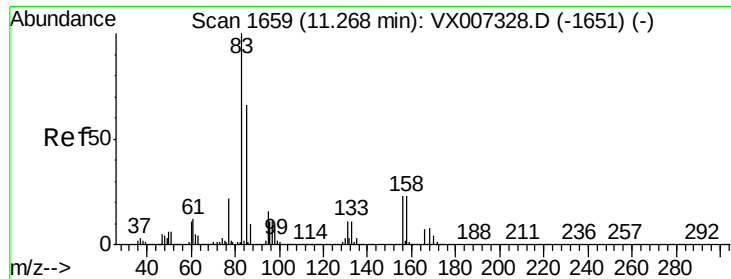
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.575 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

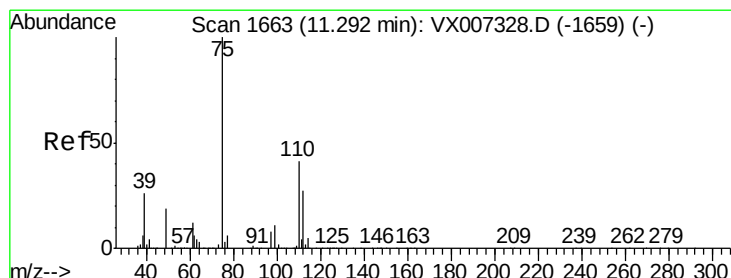
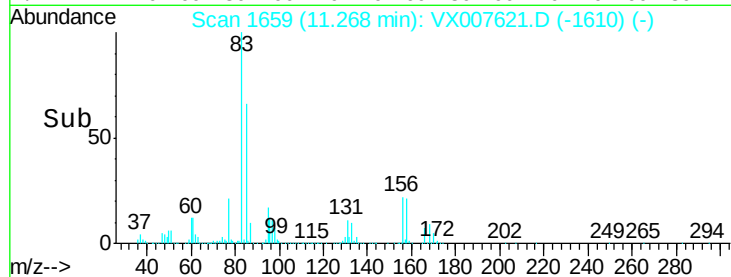
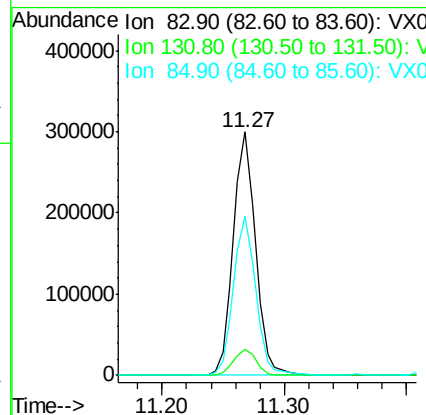
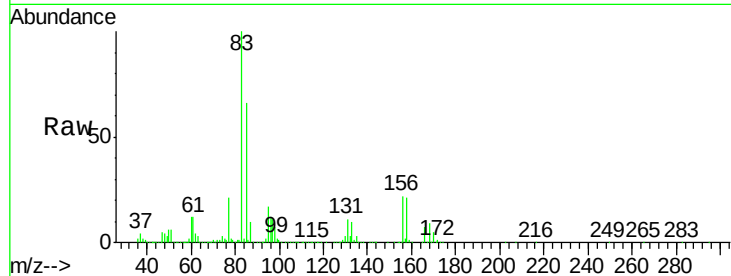
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	377811
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	65.4	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 53.341 ug/l m

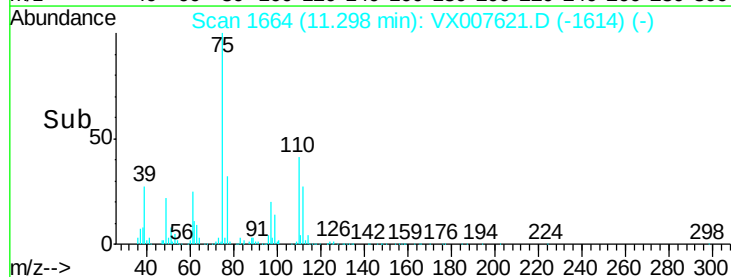
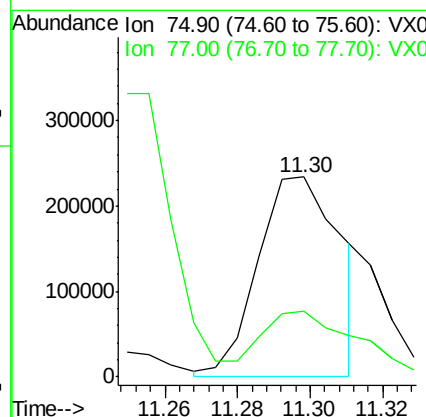
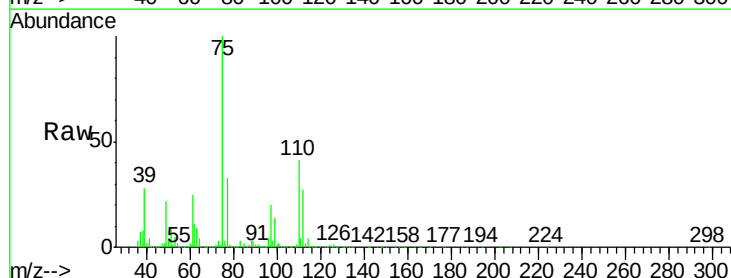
RT: 11.30 min Scan# 1664

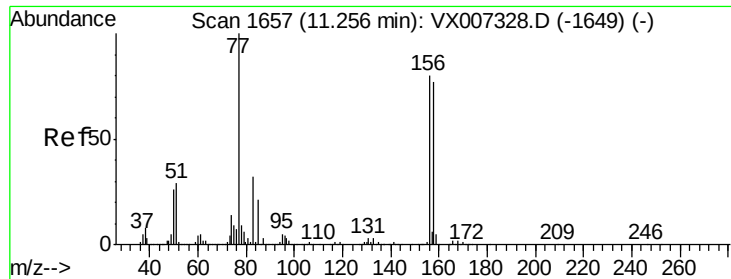
Delta R.T. 0.01 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion:	75	Resp:	366996
Ion Ratio	Lower	Upper	
75	100		
77	37.7	23.0	69.0





#77

Bromobenzene

Concen: 47.846 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

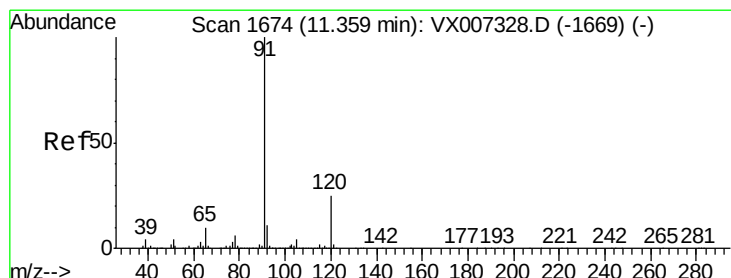
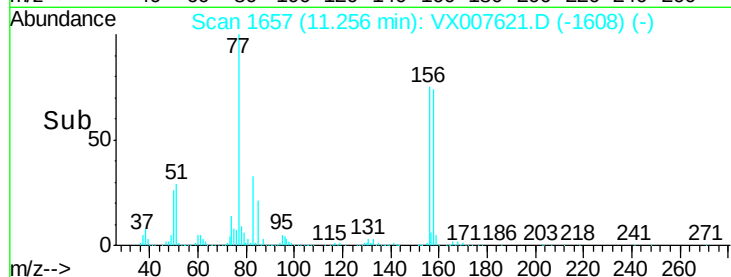
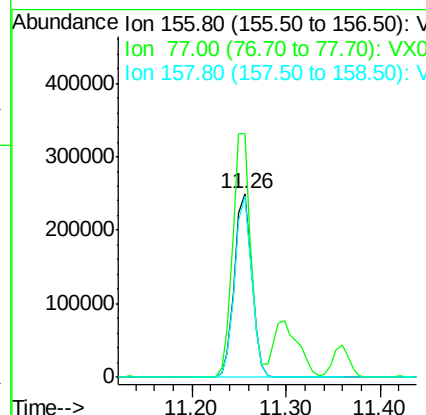
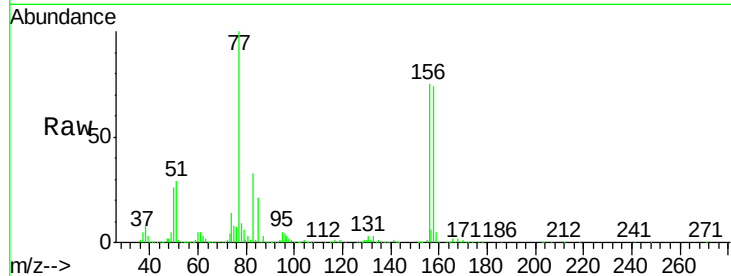
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	137.9	66.8	200.6
158	96.9	47.9	143.8

Manual Integrations
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#78

n-propylbenzene

Concen: 52.359 ug/l

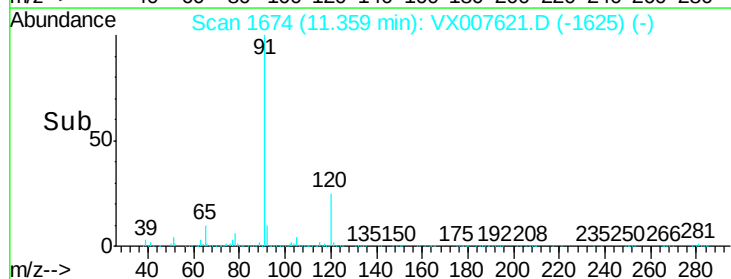
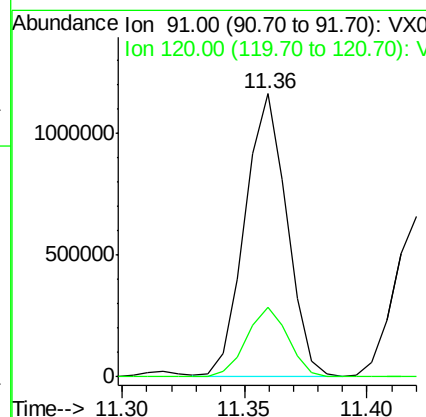
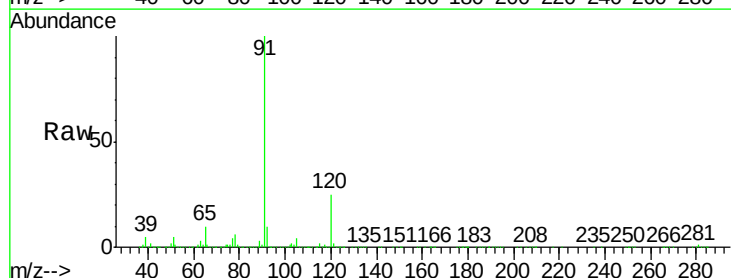
RT: 11.36 min Scan# 1674

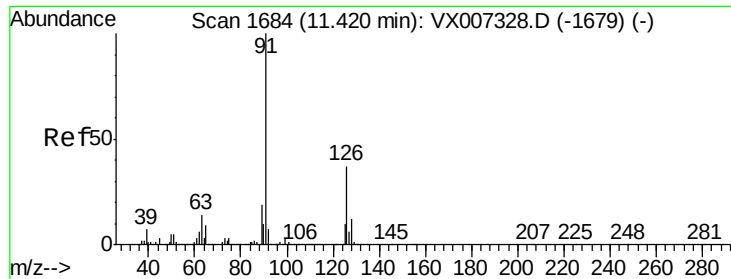
Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.7	12.4	37.2





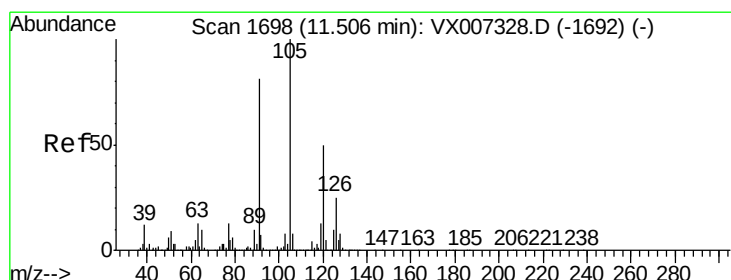
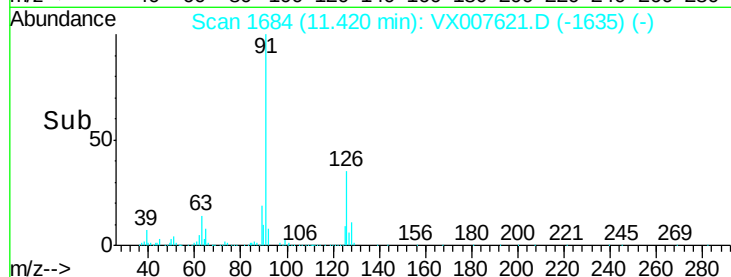
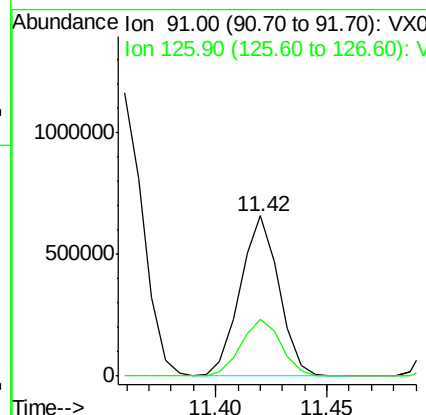
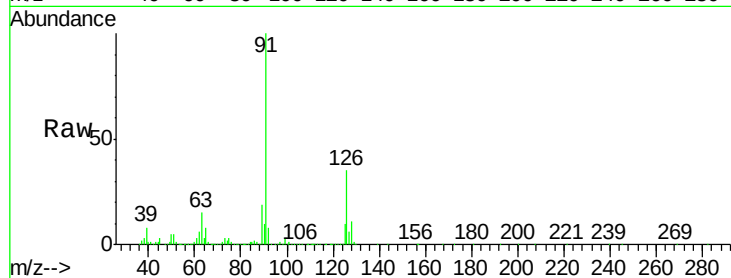
#79
2-Chlorotoluene
Concen: 49.670 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 794388
Ion Ratio Lower Upper
91 100
126 36.7 18.7 56.1

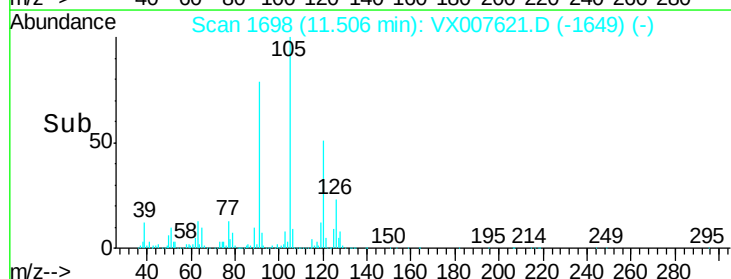
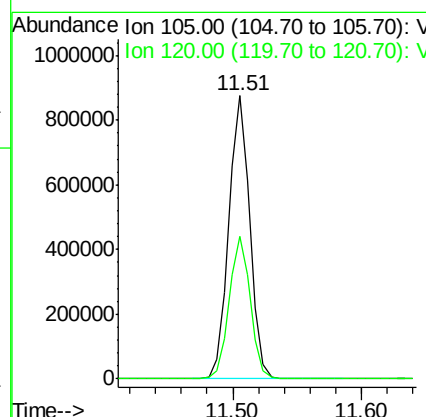
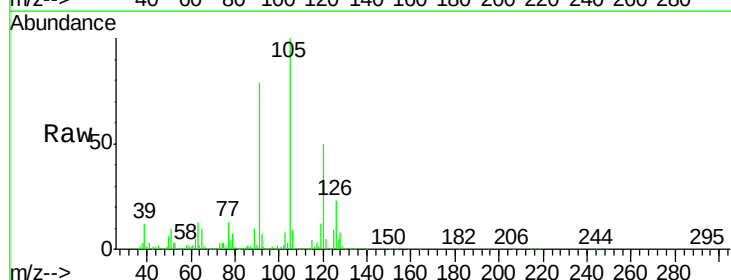
Manual Integrations
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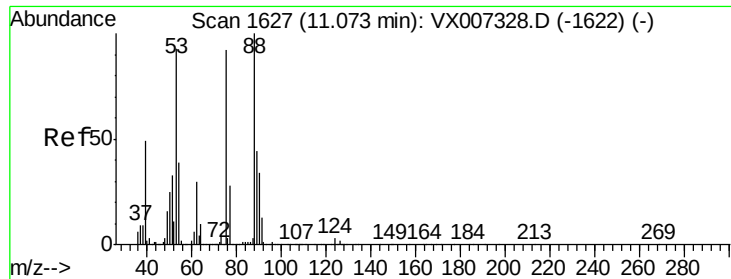
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 51.333 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion: 105 Resp: 1009466
Ion Ratio Lower Upper
105 100
120 50.3 25.3 75.8





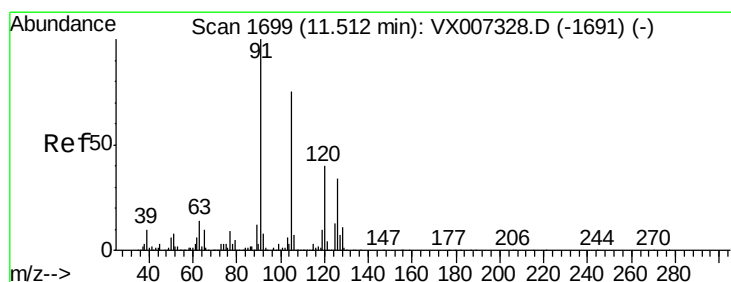
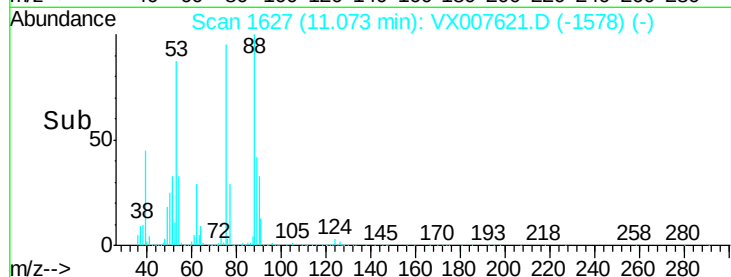
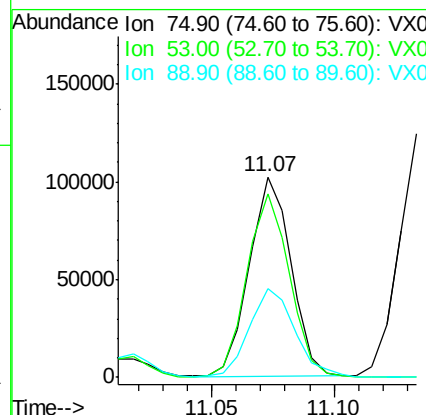
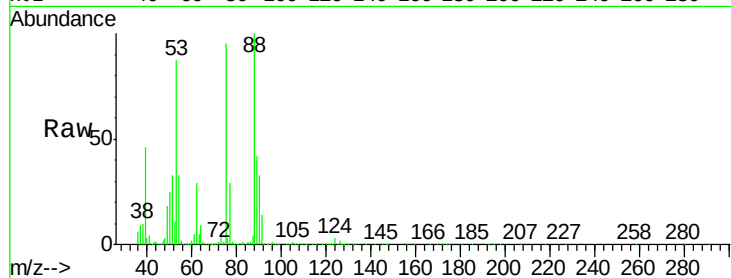
#81
trans-1,4-Dichloro-2-butene
Concen: 54.388 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.6	81.0	121.6
89	49.1	41.4	62.0

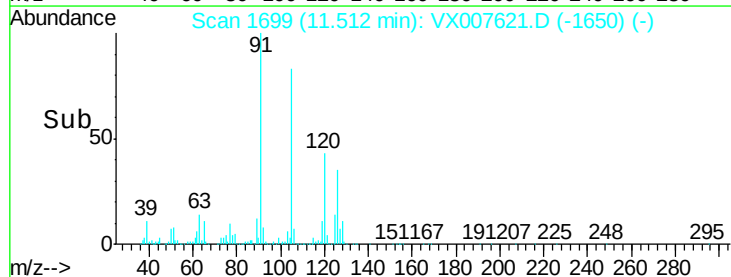
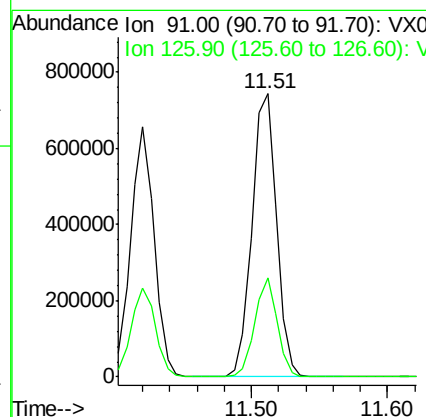
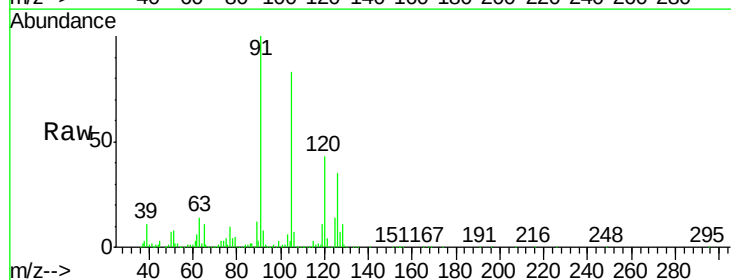
Manual Integrations
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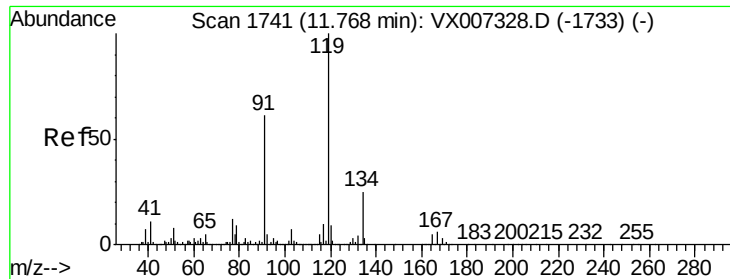
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.959 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.5





#83

tert-Butylbenzene

Concen: 52.140 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:119 Resp: 1015144

Ion Ratio Lower Upper

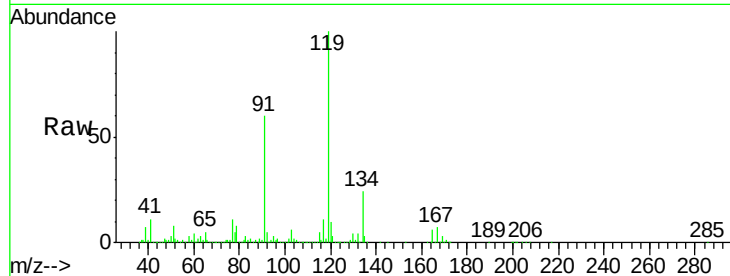
119 100

91 56.1 28.5 85.6

134 23.6 12.0 36.0

Manual Integrations
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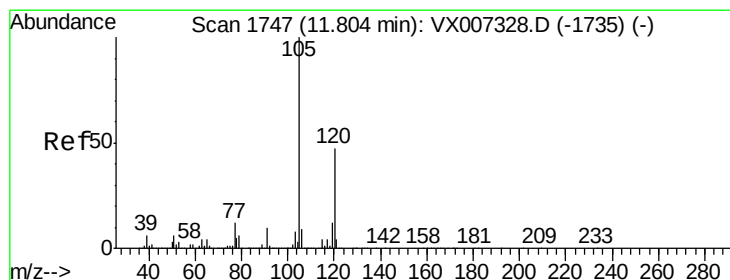
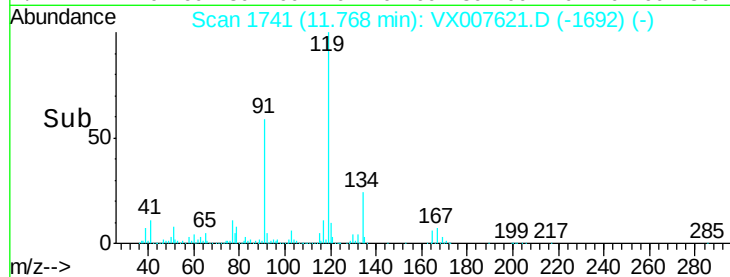
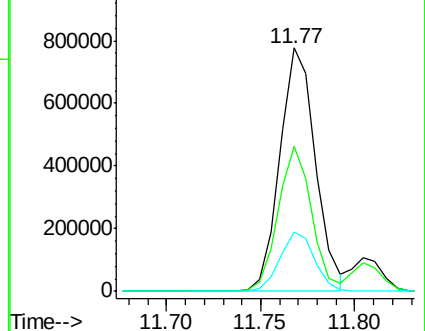
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 51.833 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX007621.D

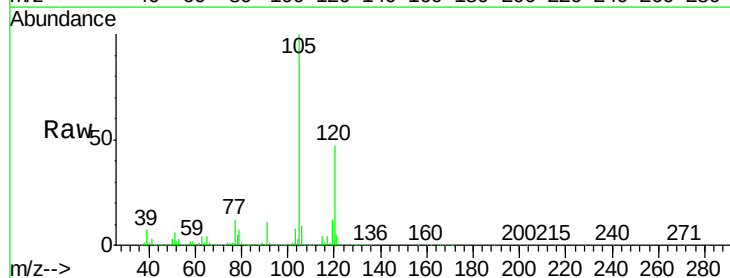
Acq: 21 Feb 2019 10:46

Tgt Ion:105 Resp: 1034826

Ion Ratio Lower Upper

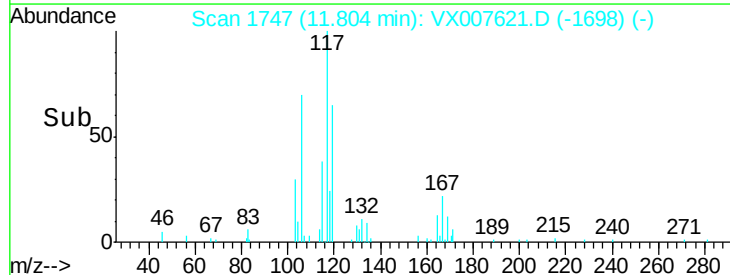
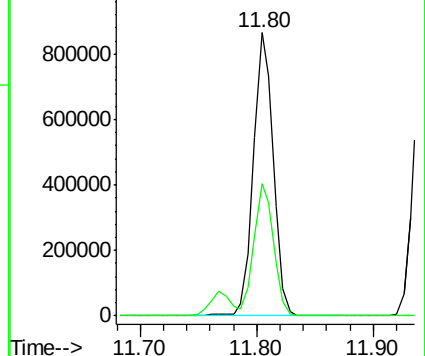
105 100

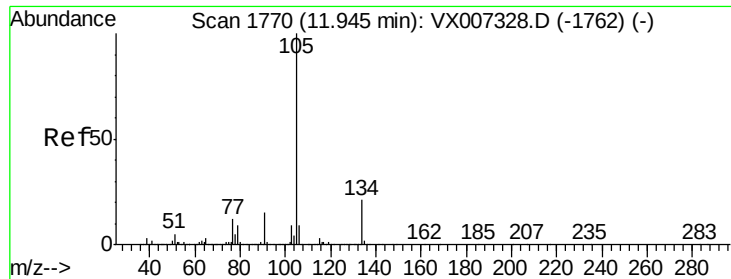
120 45.7 23.1 69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 53.114 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1251602

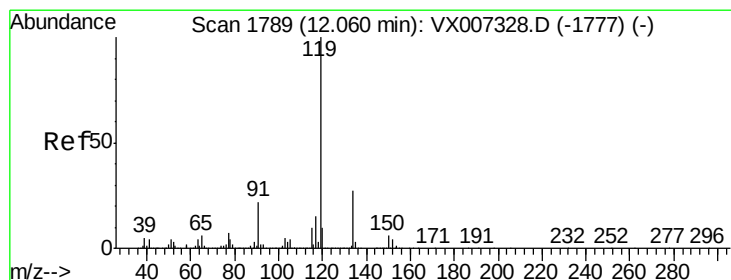
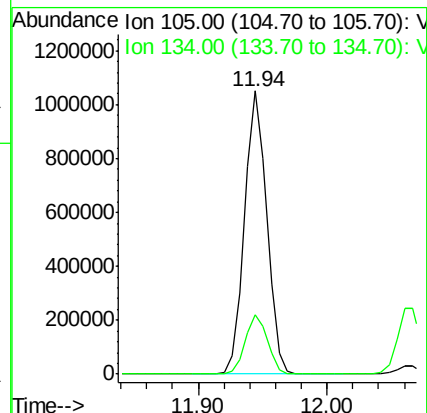
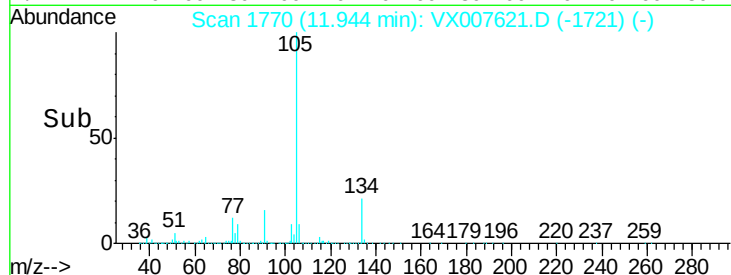
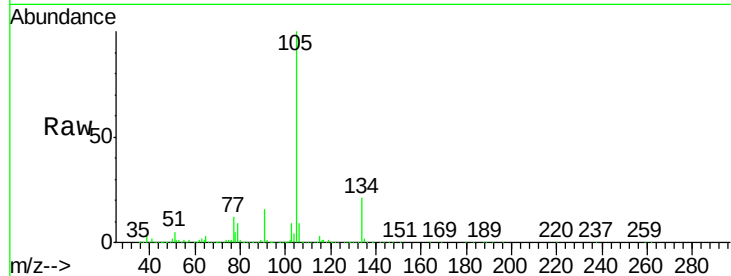
Ion Ratio Lower Upper

105 100

134 21.0 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 53.422 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

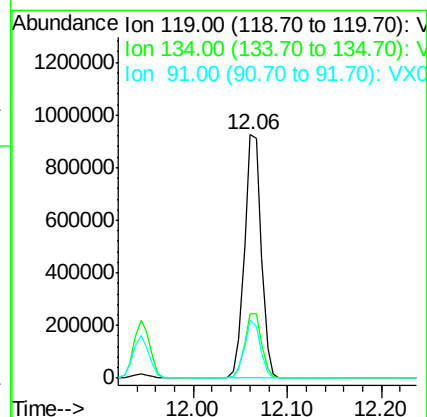
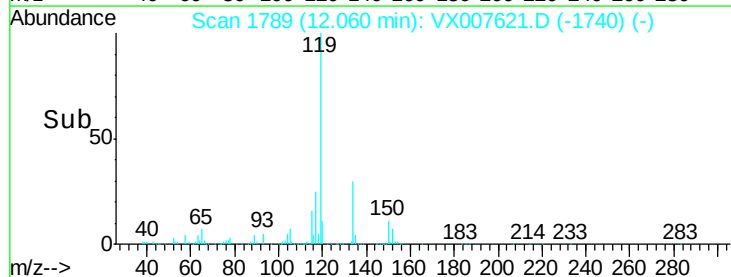
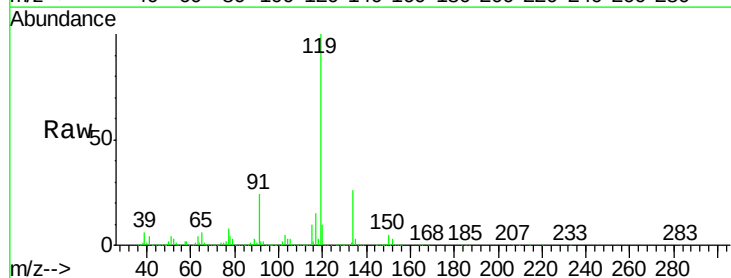
Tgt Ion:119 Resp: 1136376

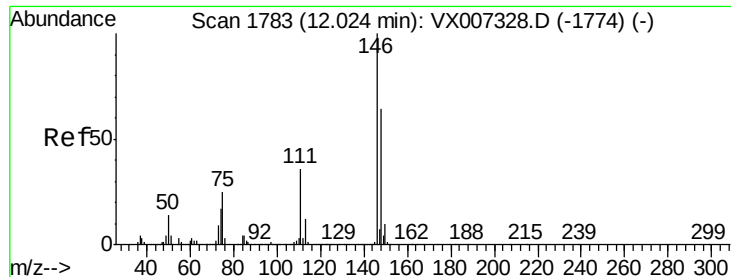
Ion Ratio Lower Upper

119 100

134 27.0 13.7 41.1

91 22.8 11.2 33.5





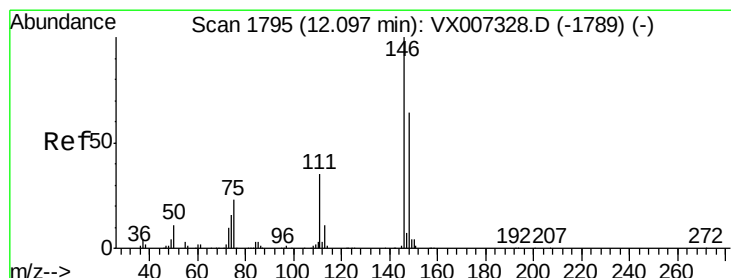
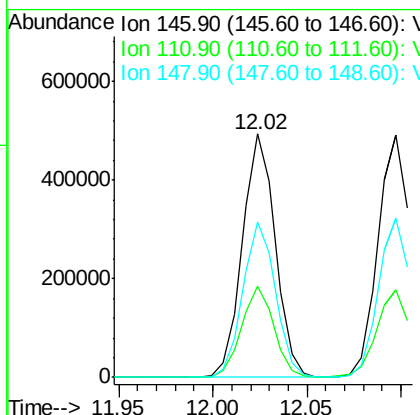
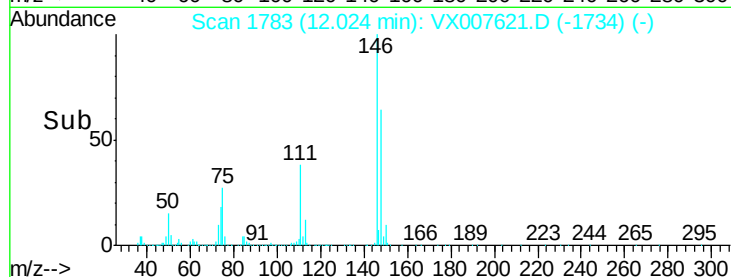
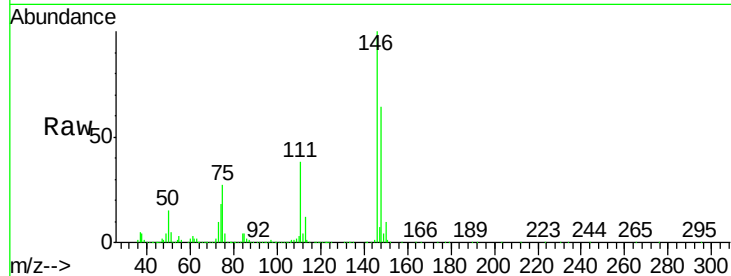
#87
 1,3-Dichlorobenzene
 Concen: 49.138 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.1
148	63.4	32.0	96.2

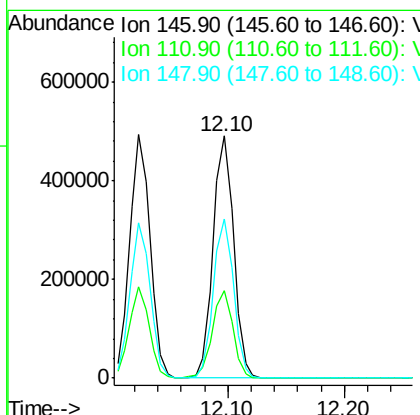
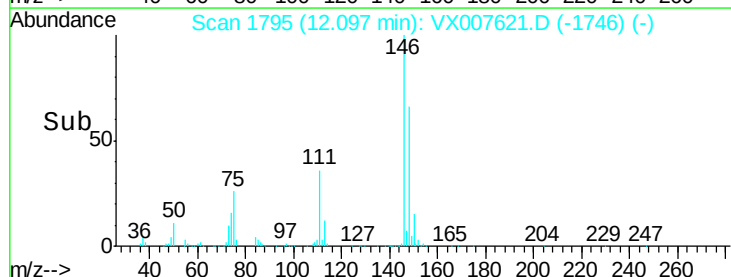
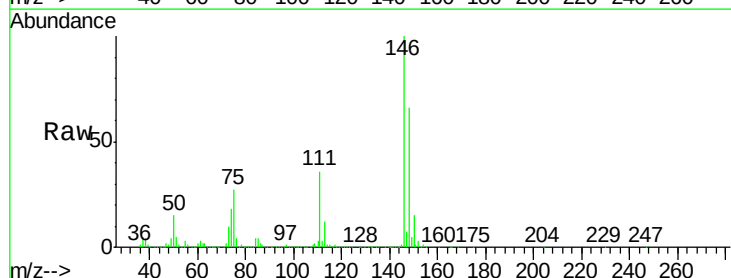
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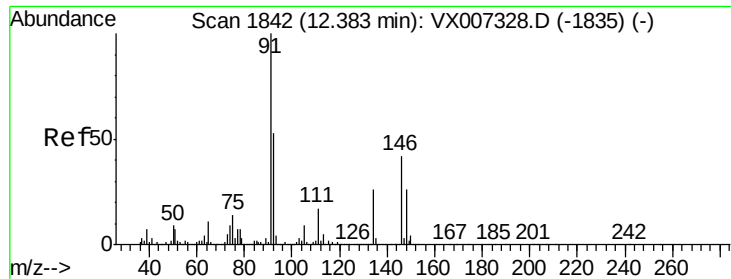
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#88
 1,4-Dichlorobenzene
 Concen: 48.268 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.1	54.1
148	64.6	32.3	96.9





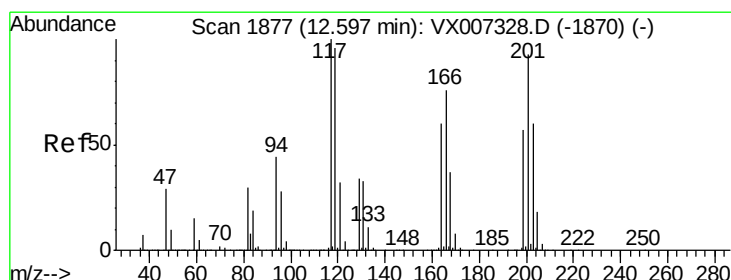
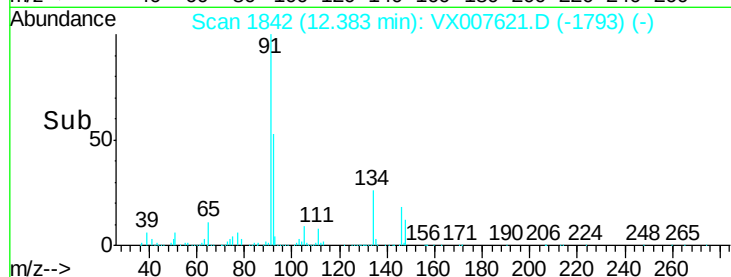
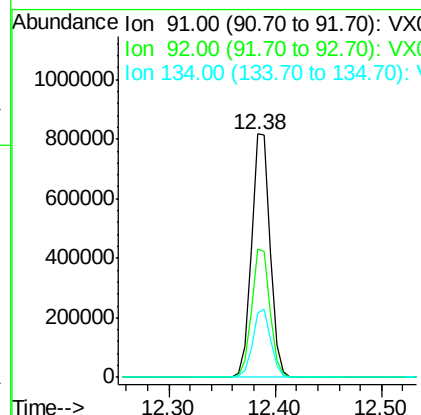
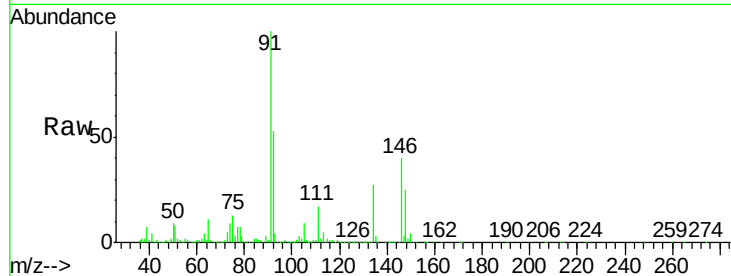
#89
n-Butylbenzene
Concen: 54.559 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Instrument :
MSVOA_X
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.3	78.9
134	27.4	13.9	41.6

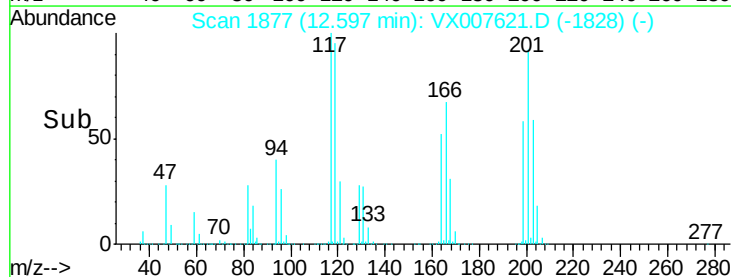
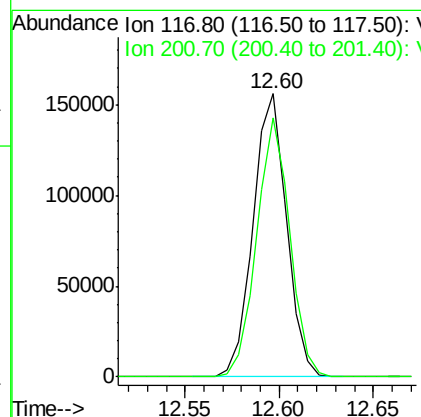
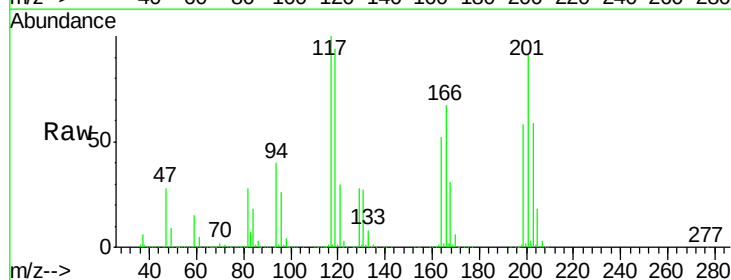
Manual Integrations
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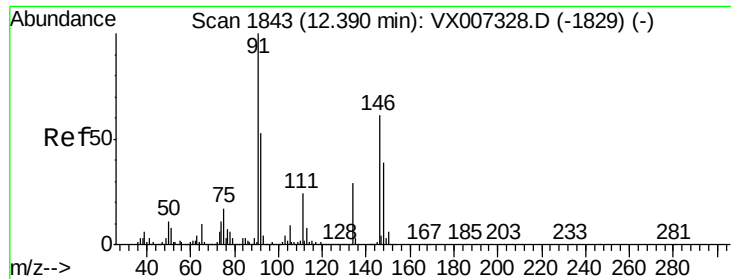
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#90
Hexachloroethane
Concen: 60.350 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX007621.D
Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	44.9	134.7





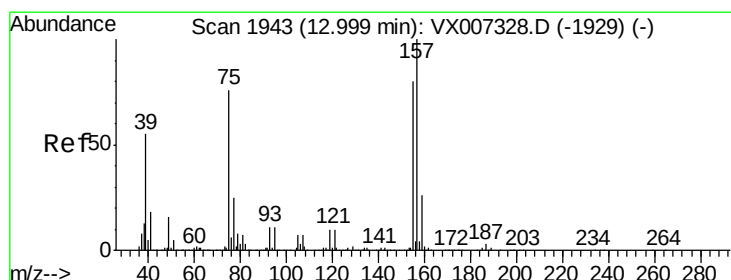
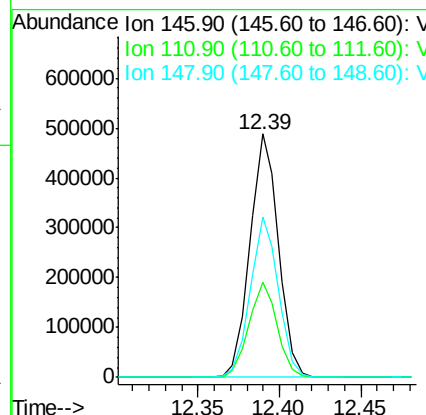
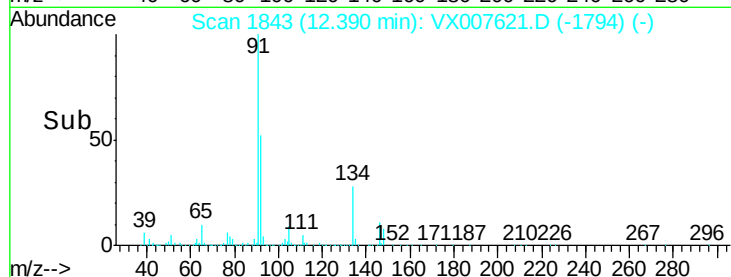
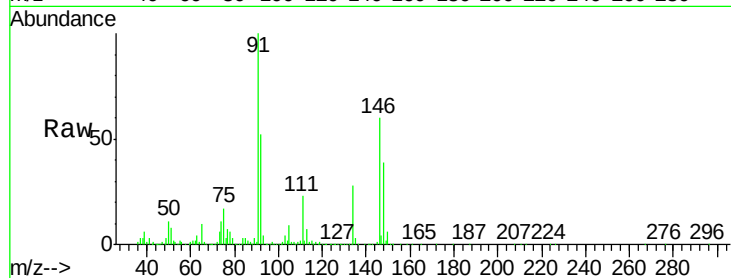
#91
 1,2-Dichlorobenzene
 Concen: 49.189 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	64.7	32.1	96.3

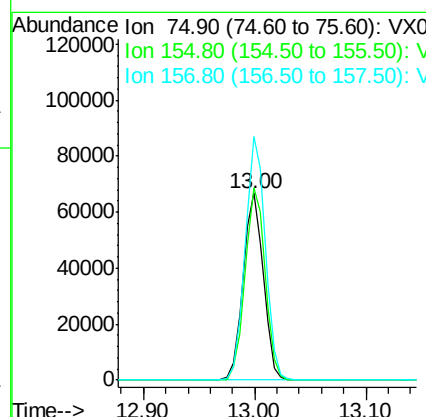
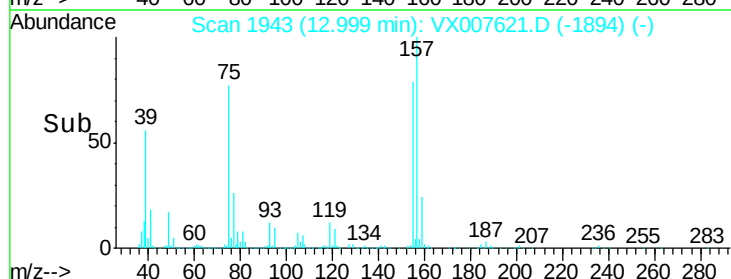
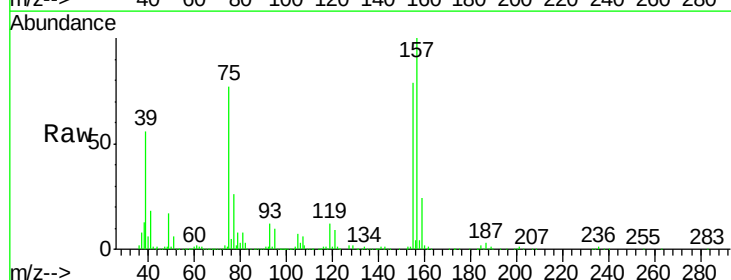
Manual Integrations
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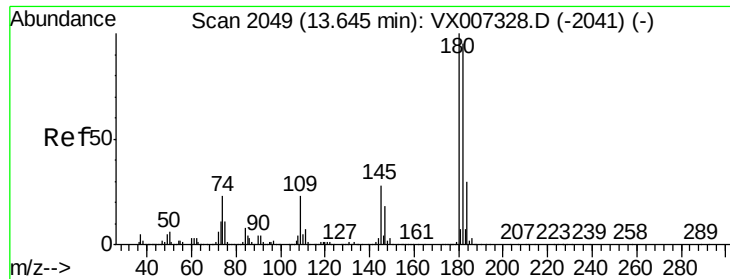
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.919 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.7	49.6	149.0
157	129.7	65.1	195.3





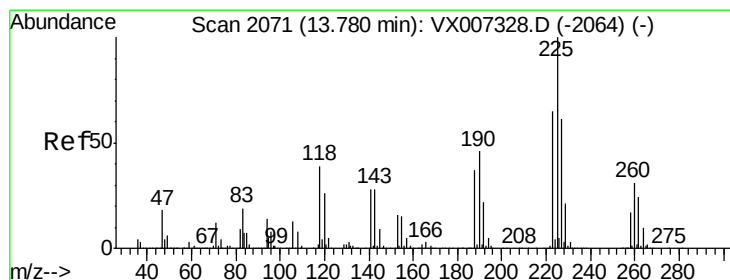
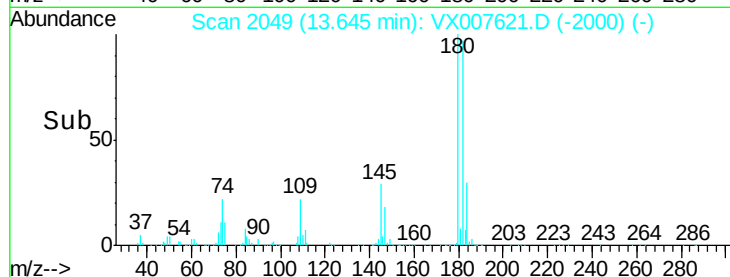
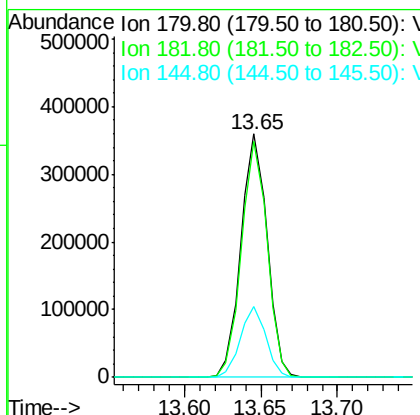
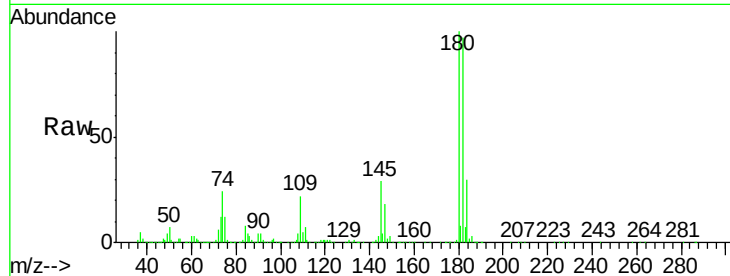
#93
 1,2,4-Trichlorobenzene
 Concen: 52.348 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	427019		
182	95.3	47.8	143.3	
145	28.3	14.1	42.2	

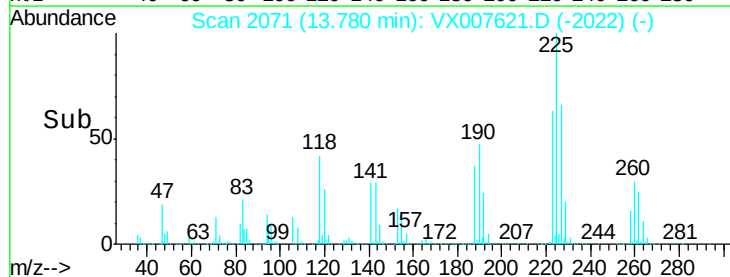
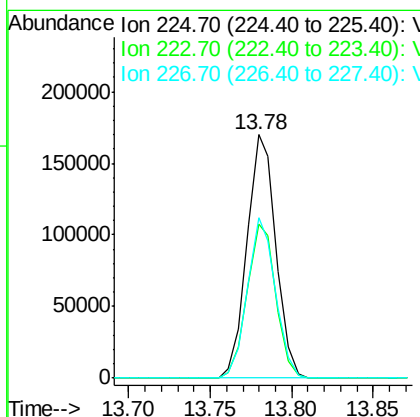
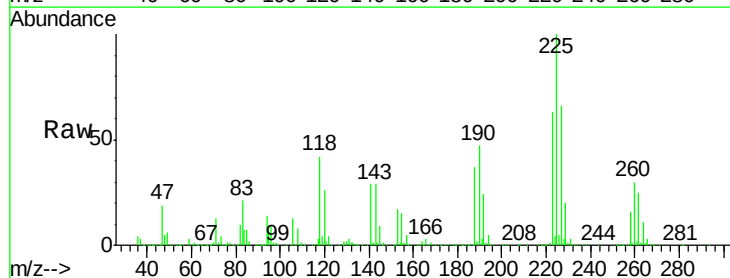
Manual Integrations
 APPROVED

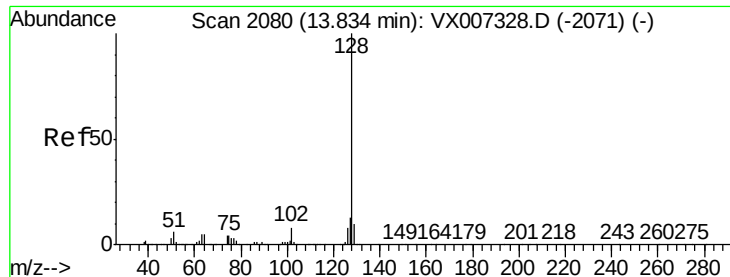
MMDadoda
 2/22/2019 10:40:17 AM



#94
 Hexachlorobutadiene
 Concen: 53.126 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX007621.D
 Acq: 21 Feb 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	210434		
223	62.5	31.6	94.8	
227	63.7	32.1	96.3	





#95

Naphthalene

Concen: 52.272 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:128 Resp: 1246928

Ion Ratio Lower Upper

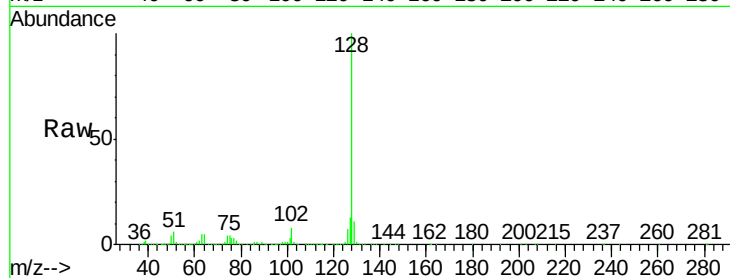
128 100

127 13.3 10.5 15.7

129 11.0 8.7 13.1

Manual Integrations
APPROVED

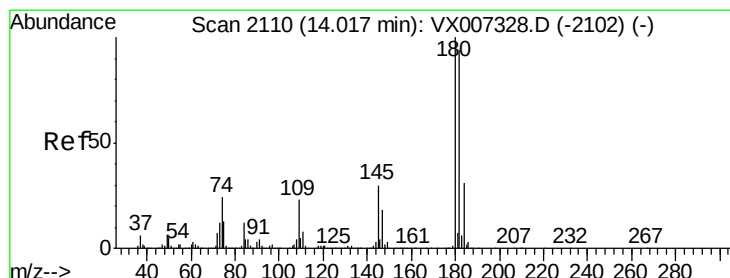
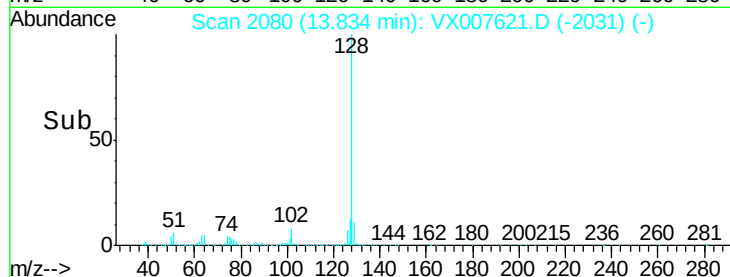
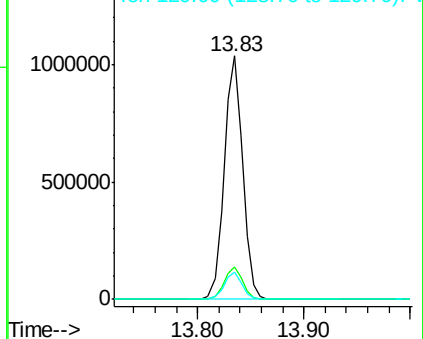
MMDadoda
2/22/2019 10:40:17 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 51.222 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX007621.D

Acq: 21 Feb 2019 10:46

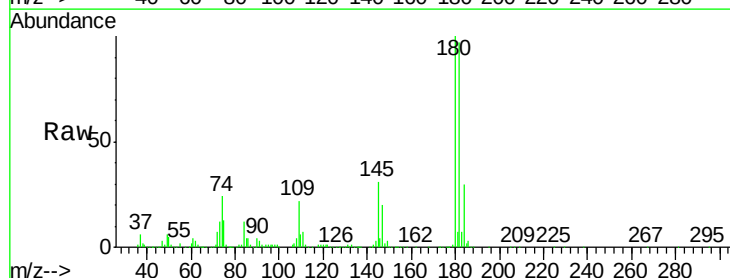
Tgt Ion:180 Resp: 420594

Ion Ratio Lower Upper

180 100

182 96.6 47.5 142.6

145 30.4 14.9 44.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

