

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082119\
 Data File : VX011721.D
 Acq On : 21 Aug 2019 08:56
 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
 8/22/2019 10:00:58 AM

Quant Time: Aug 21 13:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	304983	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	421924	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	393167	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	199136	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	141378	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
35) Dibromofluoromethane	5.49	113	129802	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	
50) Toluene-d8	8.71	98	425915	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	183517	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	174059	58.062	ug/l	98
3) Chloromethane	1.32	50	137519	44.167	ug/l	99
4) Vinyl Chloride	1.40	62	131475	46.744	ug/l	98
5) Bromomethane	1.63	94	69942	55.497	ug/l	99
6) Chloroethane	1.71	64	73612	55.298	ug/l	100
7) Trichlorofluoromethane	1.92	101	219348	56.304	ug/l	99
8) Diethyl Ether	2.18	74	71872	53.781	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	142202	52.846	ug/l	99
10) Methyl Iodide	2.50	142	184138	48.037	ug/l	99
11) Tert butyl alcohol	3.04	59	171485	247.144	ug/l	99
12) 1,1-Dichloroethene	2.36	96	128995	49.605	ug/l	99
13) Acrolein	2.29	56	48032	226.193	ug/l	97
14) Allyl chloride	2.72	41	222648	51.469	ug/l	97
15) Acrylonitrile	3.13	53	404655	254.812	ug/l	100
16) Acetone	2.43	43	426381	299.819	ug/l	99
17) Carbon Disulfide	2.56	76	299985	48.956	ug/l	99
18) Methyl Acetate	2.76	43	230532	52.269	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	462440	54.602	ug/l	99
20) Methylene Chloride	2.85	84	151817	50.844	ug/l	96
21) trans-1,2-Dichloroethene	3.15	96	143850	52.200	ug/l	99
22) Diisopropyl ether	3.85	45	450259	52.265	ug/l	94
23) Vinyl Acetate	3.81	43	1815743	266.164	ug/l	99
24) 1,1-Dichloroethane	3.68	63	253420	52.029	ug/l	99
25) 2-Butanone	4.66	43	558185	250.013	ug/l	100
26) 2,2-Dichloropropane	4.57	77	214185	58.426	ug/l	98
27) cis-1,2-Dichloroethene	4.58	96	163839	51.000	ug/l	99
28) Bromochloromethane	5.00	49	99907	46.725	ug/l	100
29) Tetrahydrofuran	5.11	42	323984	221.220	ug/l	97
30) Chloroform	5.20	83	262472	51.061	ug/l	98
31) Cyclohexane	5.57	56	210329	50.154	ug/l	93
32) 1,1,1-Trichloroethane	5.48	97	238740	54.014	ug/l	98
36) 1,1-Dichloropropene	5.79	75	191169	52.994	ug/l	99
37) Ethyl Acetate	4.82	43	187127	45.100	ug/l	99
38) Carbon Tetrachloride	5.77	117	218121	54.882	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	240653	54.020	ug/l	99
40) Benzene	6.13	78	560412	49.991	ug/l	100
41) Methacrylonitrile	5.03	41	106625	46.692	ug/l	98
42) 1,2-Dichloroethane	6.18	62	215695	55.535	ug/l	98
43) Isopropyl Acetate	6.43	43	325669	50.294	ug/l	99
44) Trichloroethene	7.21	130	173070	52.042	ug/l	99
45) 1,2-Dichloropropane	7.51	63	144565	51.709	ug/l	98
46) Dibromomethane	7.65	93	100472	49.453	ug/l	94
47) Bromodichloromethane	7.89	83	198980	53.341	ug/l	100
48) Methyl methacrylate	7.76	41	163064	50.852	ug/l	97
49) 1,4-Dioxane	7.73	88	81239	952.506	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	1085829	256.191	ug/l	100
52) Toluene	8.78	92	381299	53.389	ug/l	98
53) t-1,3-Dichloropropene	9.04	75	221596	57.238	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	238018	56.178	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	162248	53.422	ug/l	98
56) Ethyl methacrylate	9.17	69	242678	54.976	ug/l	98
57) 1,3-Dichloropropane	9.37	76	255705	52.966	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	567811	258.159	ug/l	100
59) 2-Hexanone	9.49	43	861766	263.664	ug/l	100
60) Dibromochloromethane	9.58	129	180307	56.981	ug/l	98
61) 1,2-Dibromoethane	9.66	107	172743	53.294	ug/l	100
64) Tetrachloroethene	9.33	164	176210	54.624	ug/l	97
65) Chlorobenzene	10.13	112	432314	51.553	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	169481	54.072	ug/l	99
67) Ethyl Benzene	10.25	91	745644	53.278	ug/l	100
68) m/p-Xylenes	10.35	106	579036	107.785	ug/l	97
69) o-Xylene	10.69	106	278688	52.961	ug/l	100
70) Styrene	10.71	104	489574	55.266	ug/l	100
71) Bromoform	10.85	173	145688	47.974	ug/l #	98
73) Isopropylbenzene	11.01	105	775223	59.994	ug/l	99
74) N-amyl acetate	10.90	43	299735	54.584	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.26	83	244642	55.036	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	219199m	58.049	ug/l	
77) Bromobenzene	11.25	156	219062	56.982	ug/l	99
78) n-propylbenzene	11.35	91	852164	61.160	ug/l	100
79) 2-Chlorotoluene	11.41	91	506406	59.188	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	654571	60.303	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	73842	52.707	ug/l	96
82) 4-Chlorotoluene	11.51	91	594177	59.860	ug/l	100
83) tert-Butylbenzene	11.77	119	598149	54.106	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	601814	55.226	ug/l	100
85) sec-Butylbenzene	11.94	105	699092	56.049	ug/l	99
86) p-Isopropyltoluene	12.06	119	662606	56.468	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	345004	52.210	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	346163	51.686	ug/l	99
89) n-Butylbenzene	12.38	91	574616	59.564	ug/l	99
90) Hexachloroethane	12.59	117	103519	55.866	ug/l	93
91) 1,2-Dichlorobenzene	12.39	146	342375	51.614	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	54155	53.252	ug/l	90

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VSTDCCC050

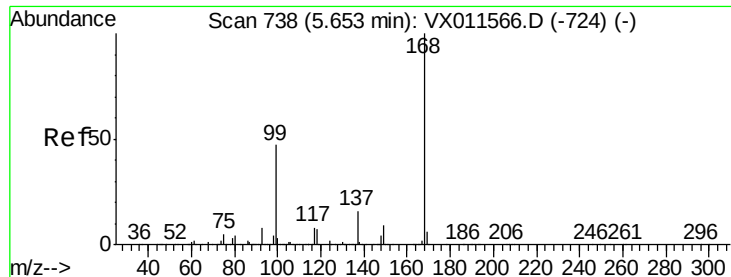
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	282842	57.227	ug/l	99
94) Hexachlorobutadiene	13.78	225	159015	59.085	ug/l	99
95) Naphthalene	13.83	128	820907	58.751	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	291723	58.519	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 304983

Ion Ratio Lower Upper

168 100

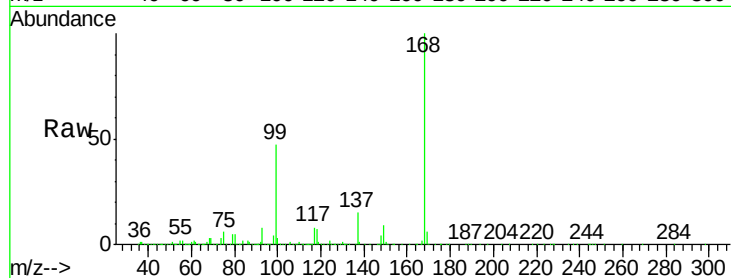
99 46.8 37.3 55.9

Manual Integrations

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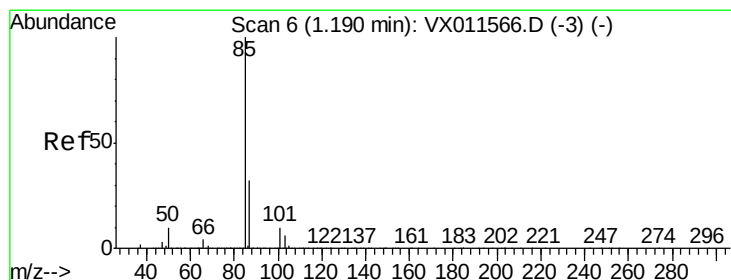
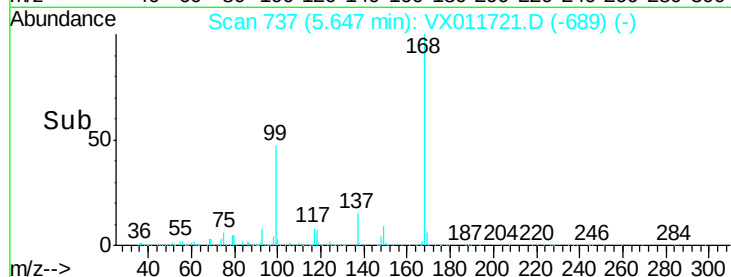
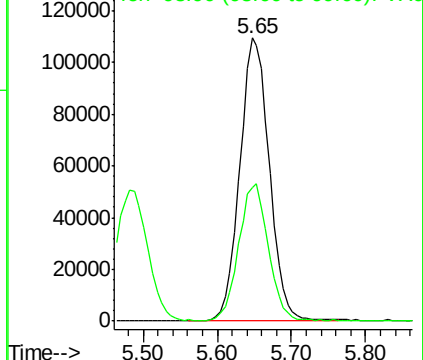
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 58.062 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011721.D

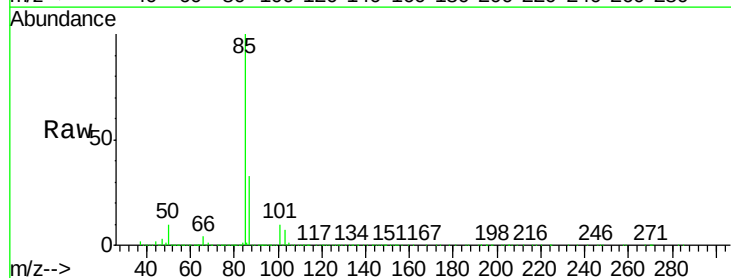
Acq: 21 Aug 2019 08:56

Tgt Ion: 85 Resp: 174059

Ion Ratio Lower Upper

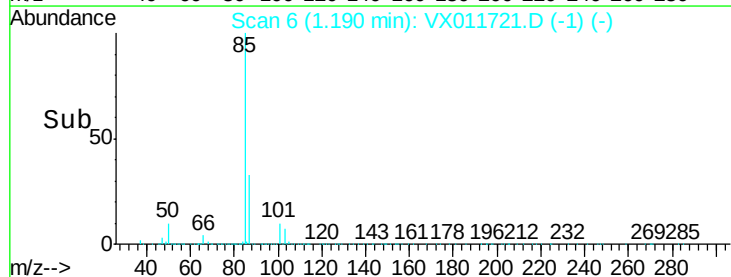
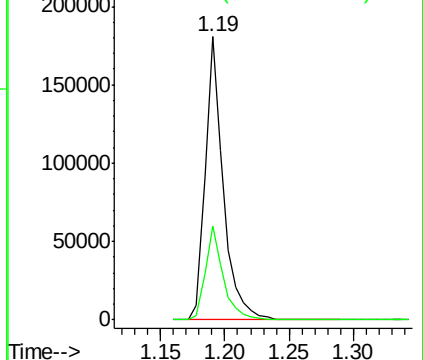
85 100

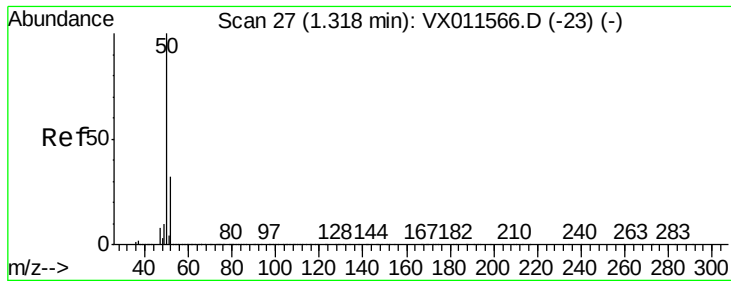
87 33.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 44.167 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 137519

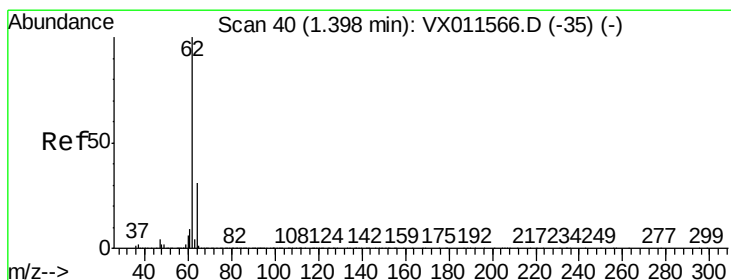
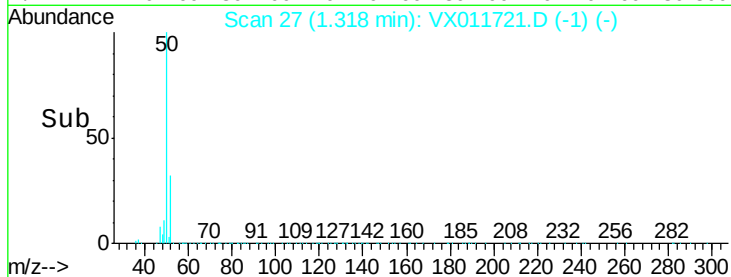
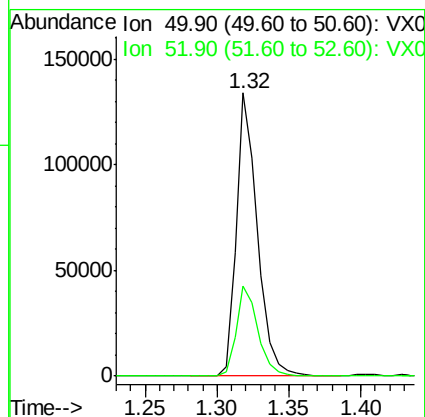
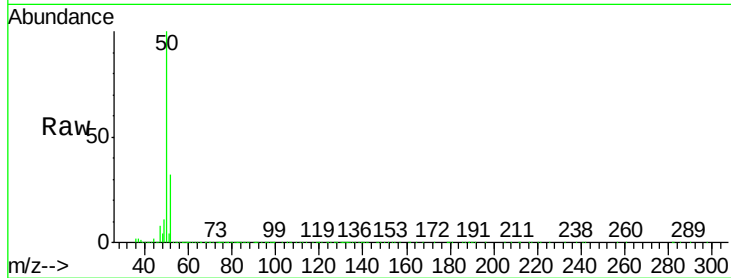
Ion Ratio Lower Upper

50 100

52 31.8 26.0 39.0

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#4

Vinyl Chloride

Concen: 46.744 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011721.D

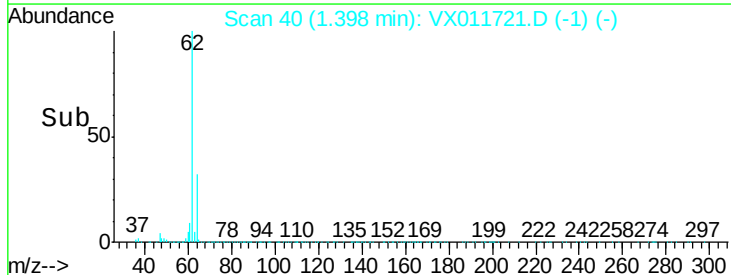
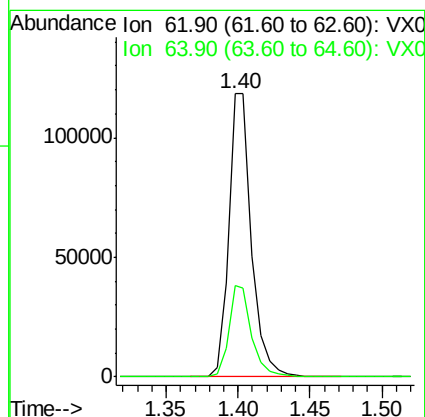
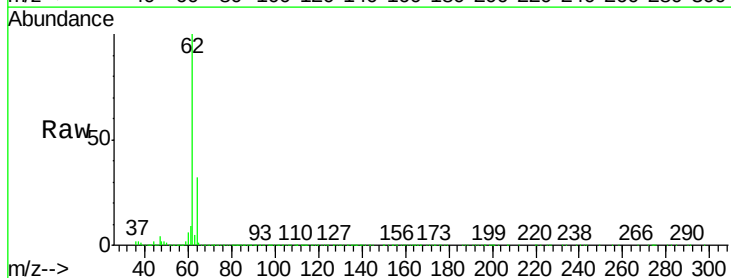
Acq: 21 Aug 2019 08:56

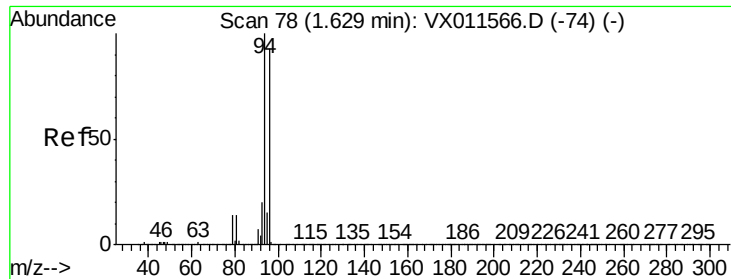
Tgt Ion: 62 Resp: 131475

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 55.497 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tot Ion: 94 Resp: 69942

Ion Ratio Lower Upper

94 100

96 94.4 74.8 112.2

Instrument :

MSVOA_X

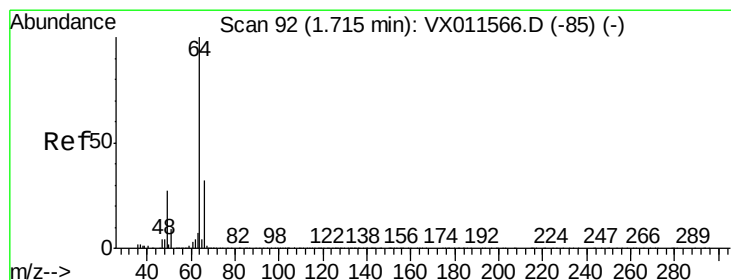
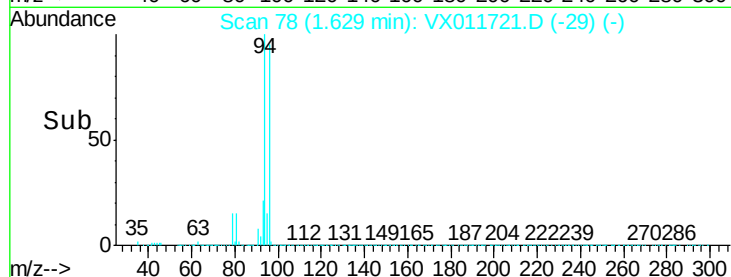
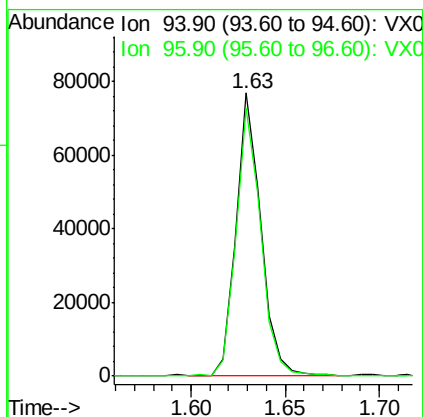
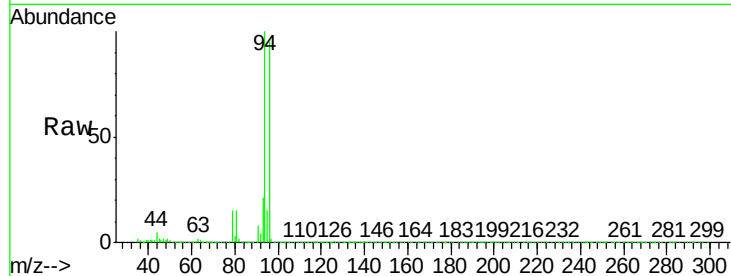
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VSTDCCC050

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#6

Chloroethane

Concen: 55.298 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX011721.D

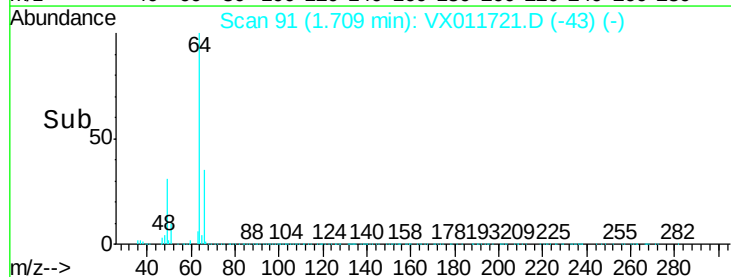
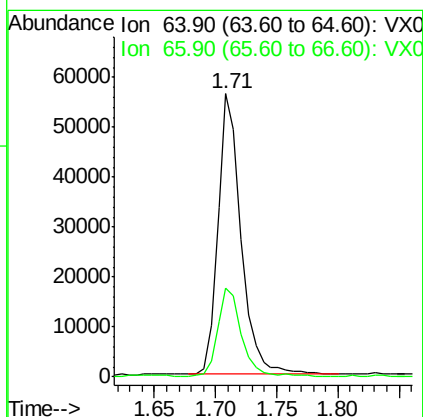
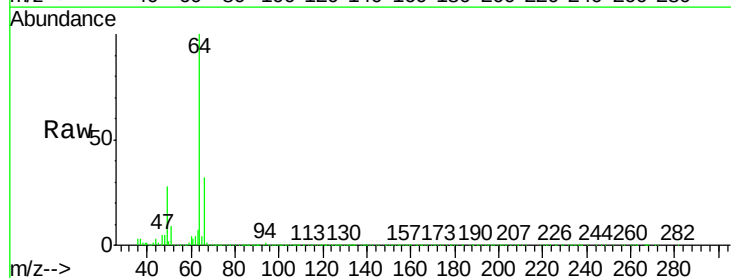
Acq: 21 Aug 2019 08:56

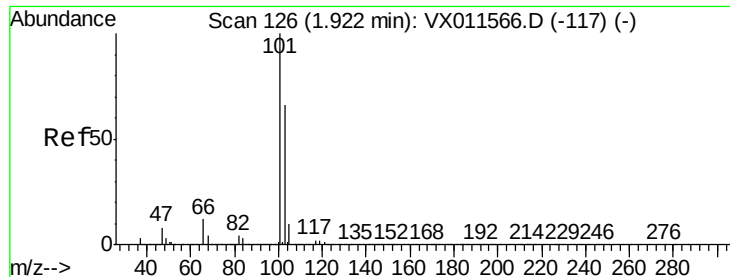
Tgt Ion: 64 Resp: 73612

Ion Ratio Lower Upper

64 100

66 31.6 25.3 37.9





#7

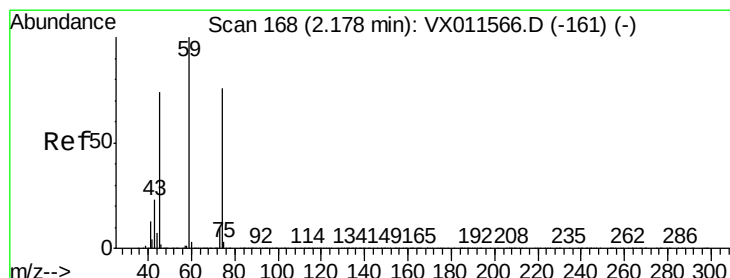
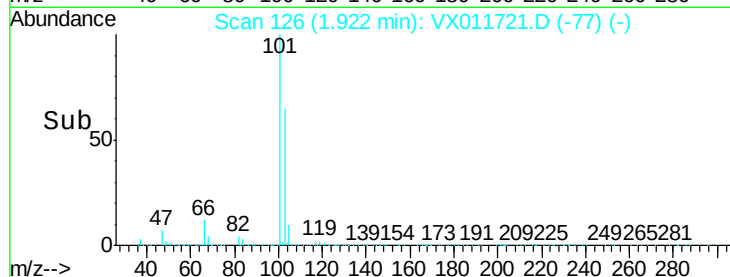
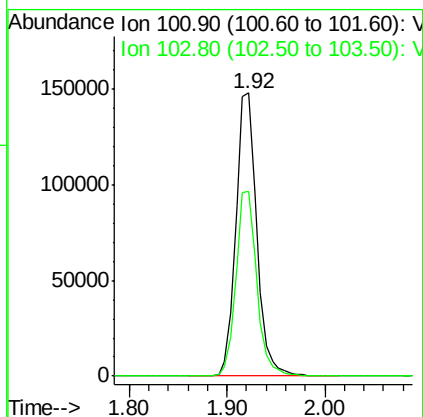
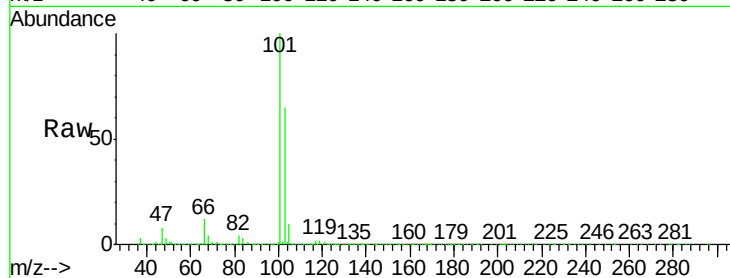
Trichlorofluoromethane
Concen: 56.304 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.9	79.3

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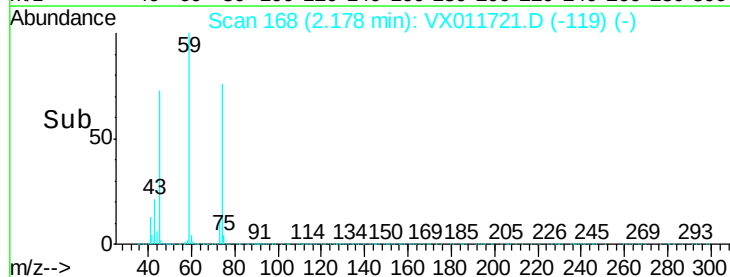
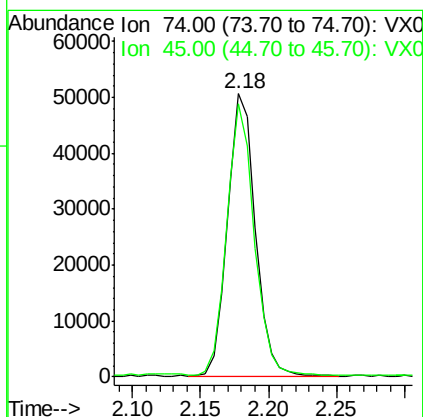
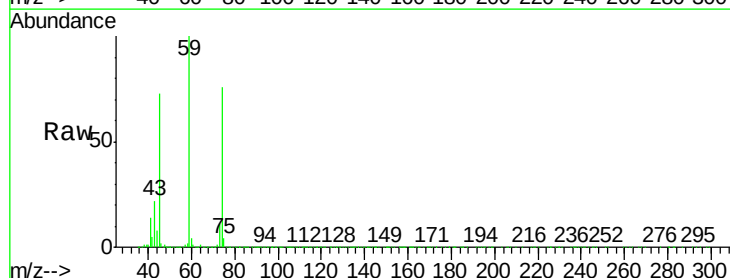
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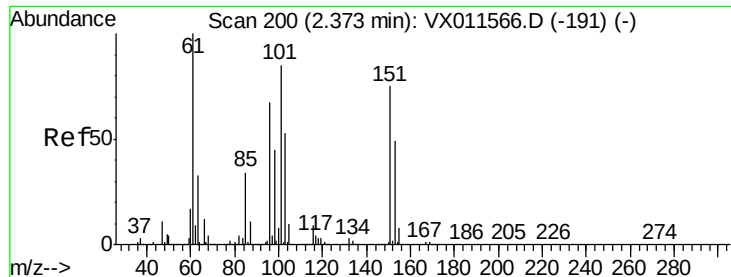


#8

Diethyl Ether
Concen: 53.781 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.846 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

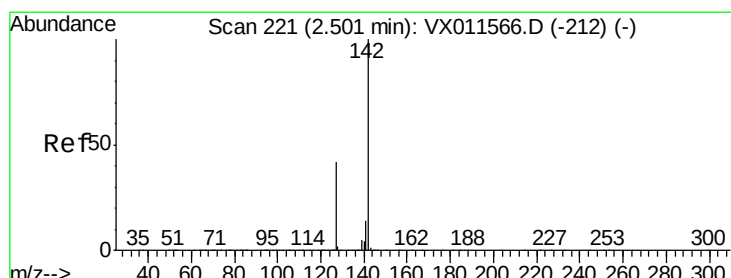
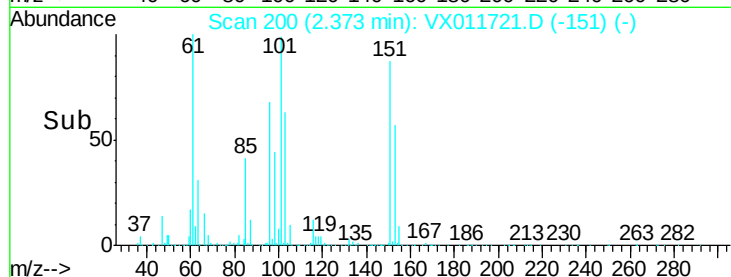
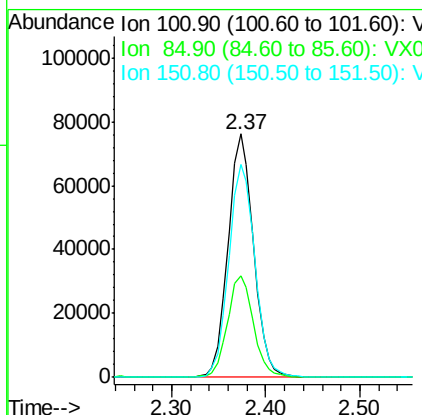
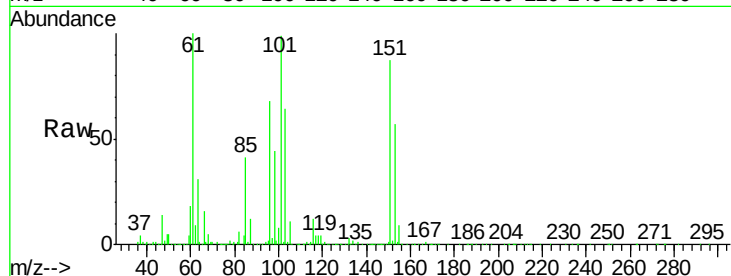
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	142202
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.0	49.4
151	90.8	73.3	109.9

Manual Integrations
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#10

Methyl Iodide

Concen: 48.037 ug/l

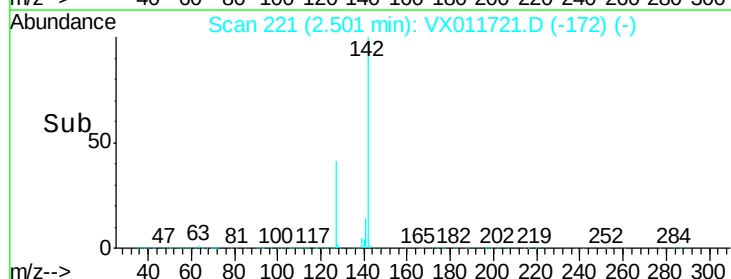
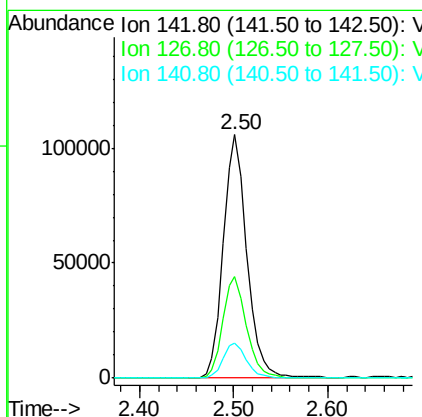
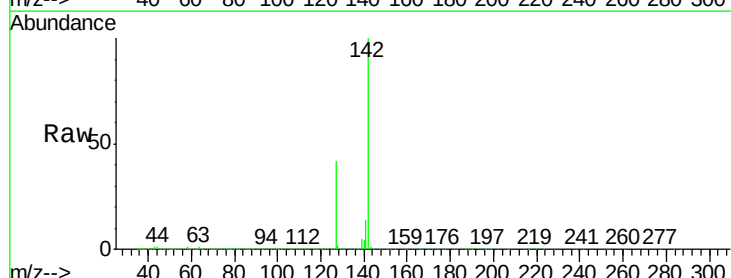
RT: 2.50 min Scan# 221

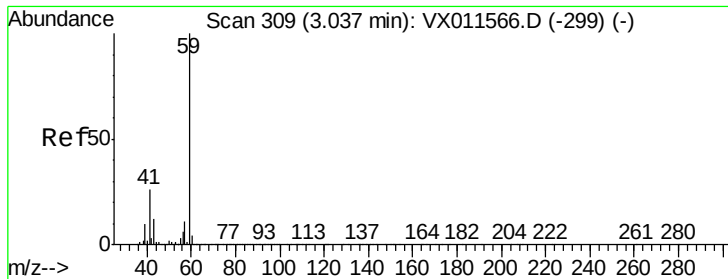
Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	142	Resp:	184138
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.8	49.2
141	14.4	11.4	17.2





#11

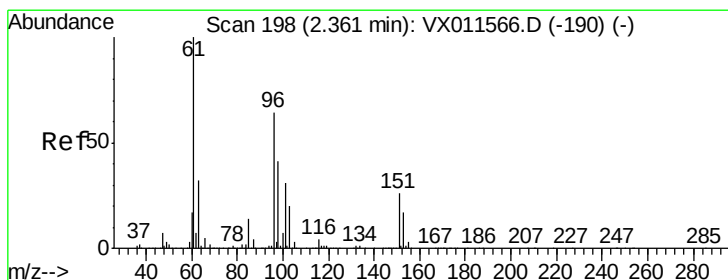
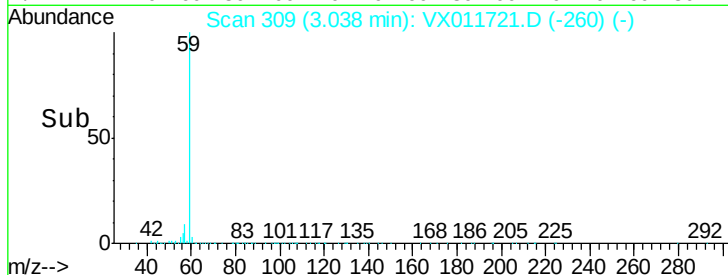
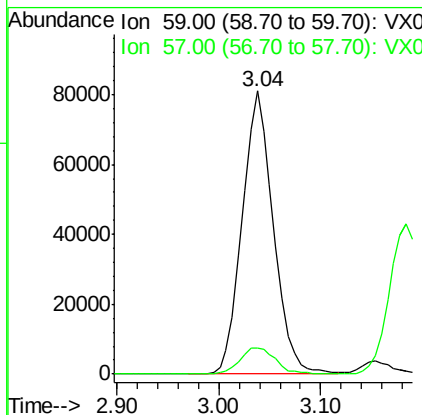
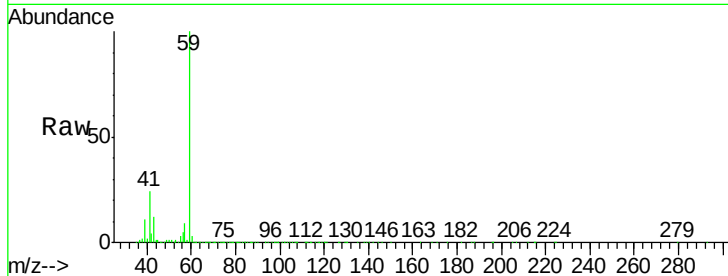
Tert butyl alcohol
Concen: 247.144 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.7	13.1

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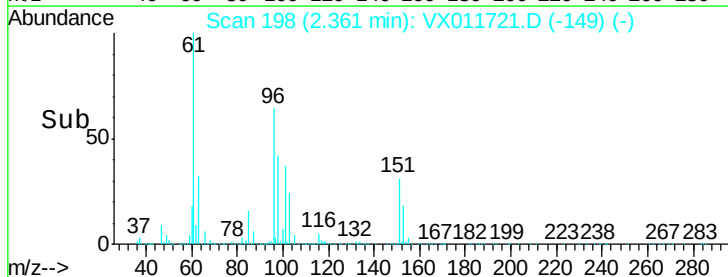
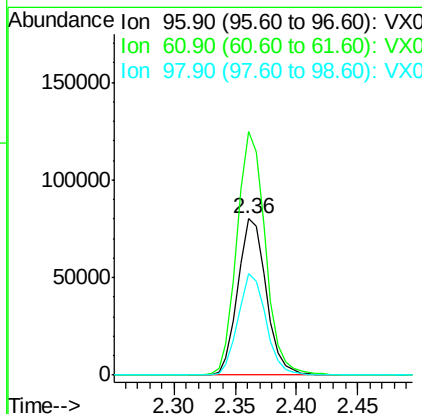
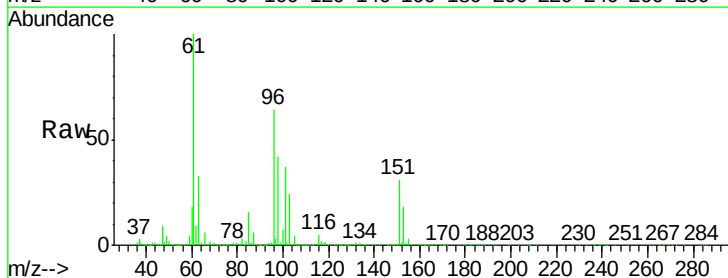
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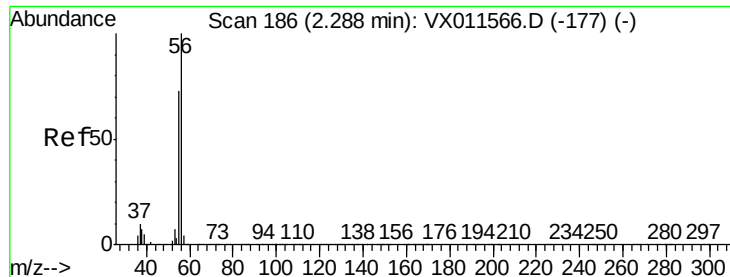


#12

1,1-Dichloroethene
Concen: 49.605 ug/l
RT: 2.36 min Scan# 198
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.5	125.0	187.4
98	65.0	51.5	77.3





#13

Acrolein

Concen: 226.193 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48032

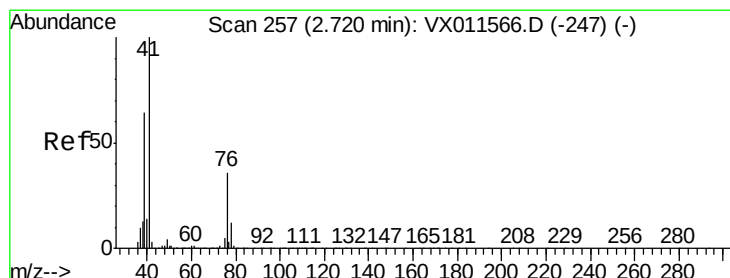
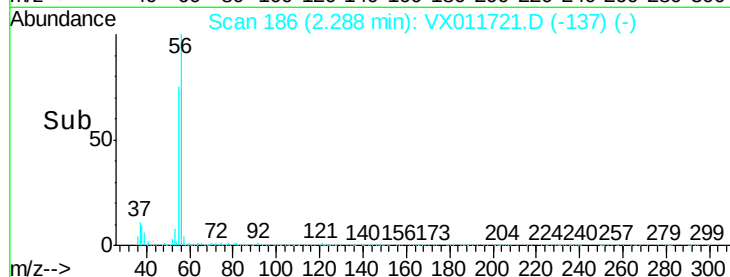
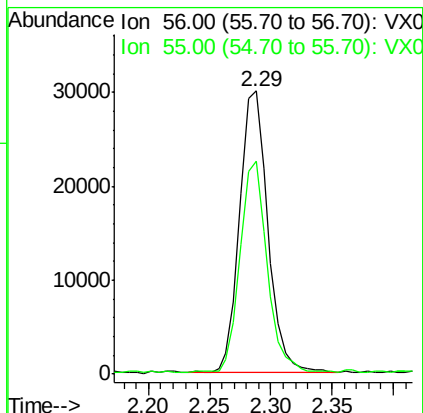
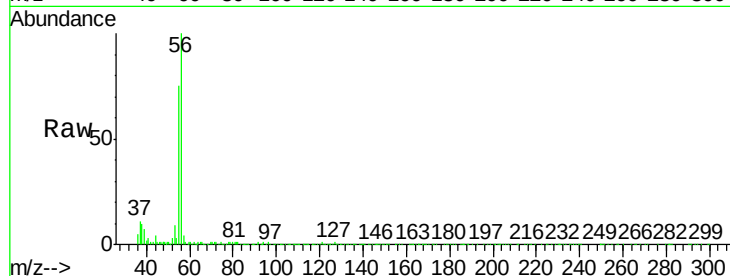
Ion Ratio Lower Upper

56 100

55 72.0 55.5 83.3

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#14

Allyl chloride

Concen: 51.469 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

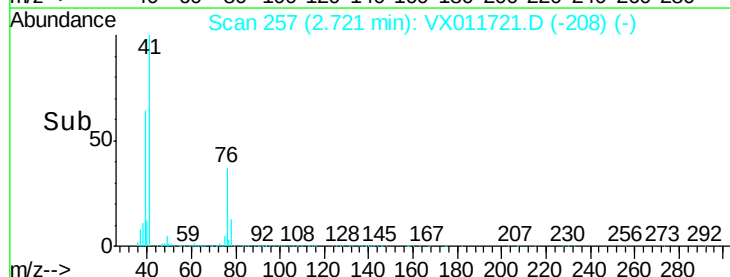
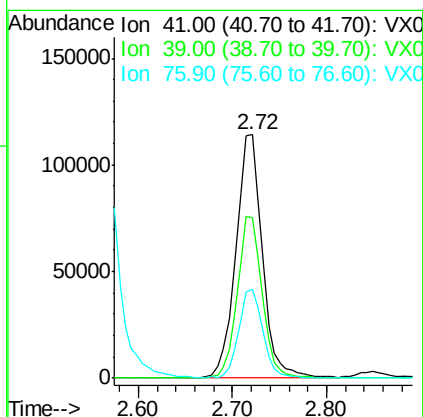
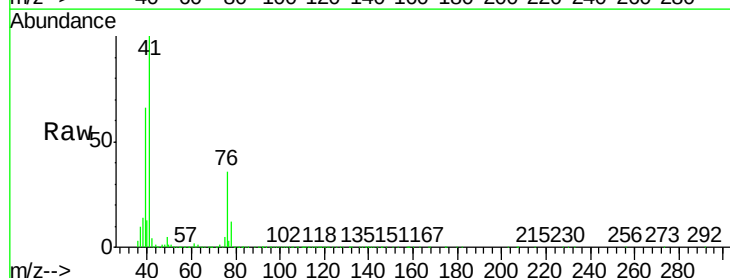
Tgt Ion: 41 Resp: 222648

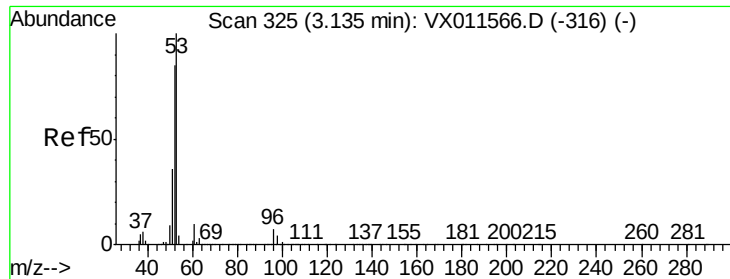
Ion Ratio Lower Upper

41 100

39 62.3 47.5 71.3

76 33.0 26.3 39.5





#15

Acrylonitrile

Concen: 254.812 ug/l

RT: 3.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

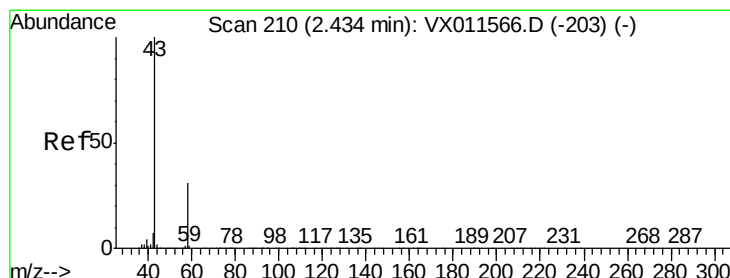
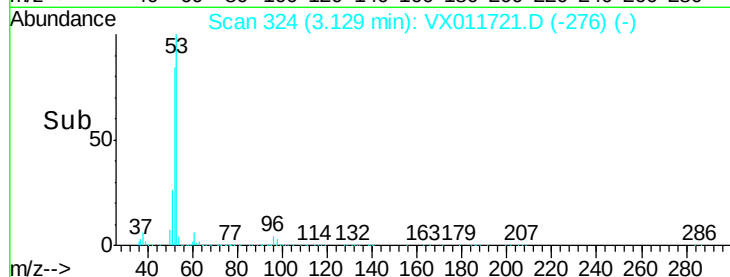
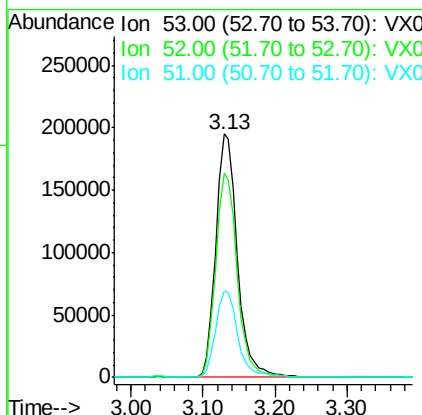
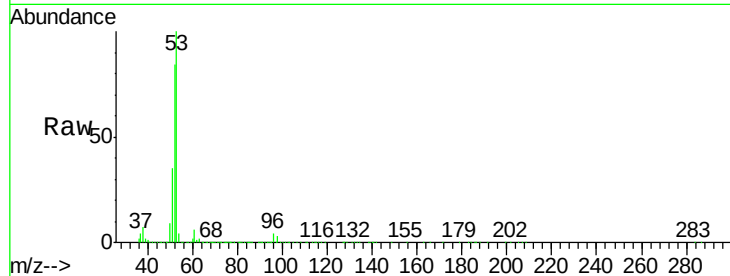
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	404655
Ion Ratio		Lower	Upper
53	100		
52	83.7	66.7	100.1
51	36.1	28.7	43.1

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#16

Acetone

Concen: 299.819 ug/l

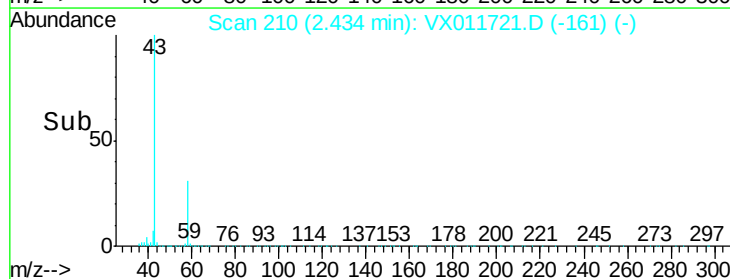
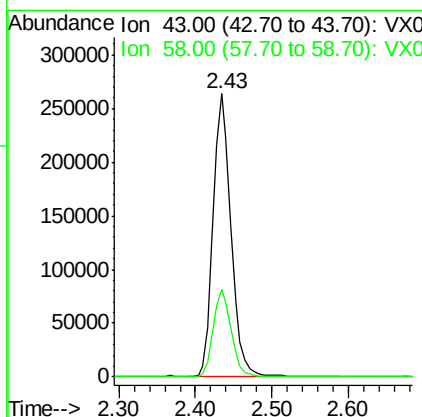
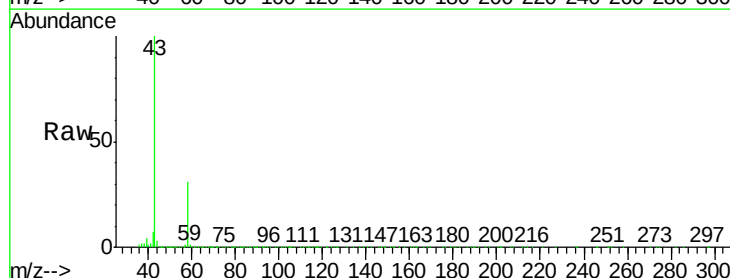
RT: 2.43 min Scan# 210

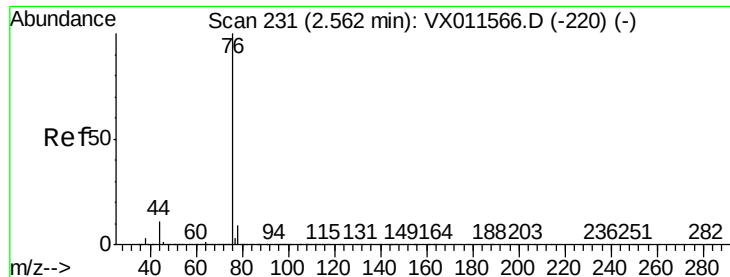
Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	43	Resp:	426381
Ion Ratio		Lower	Upper
43	100		
58	30.8	25.2	37.8





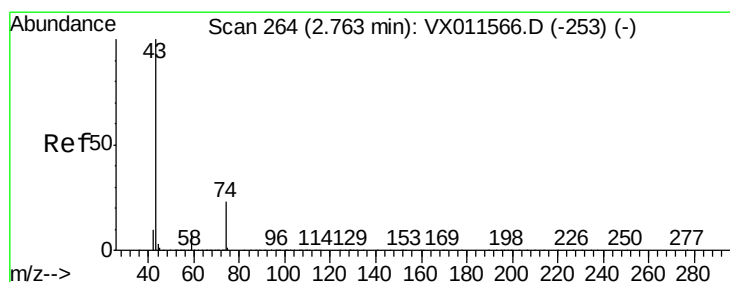
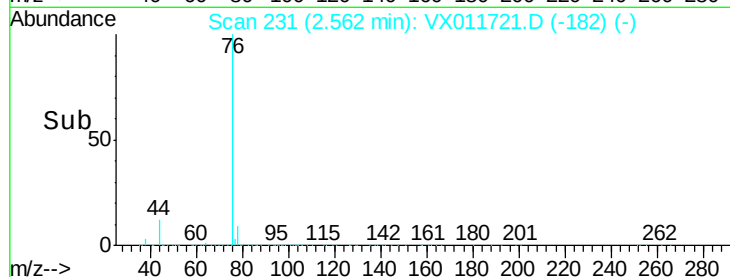
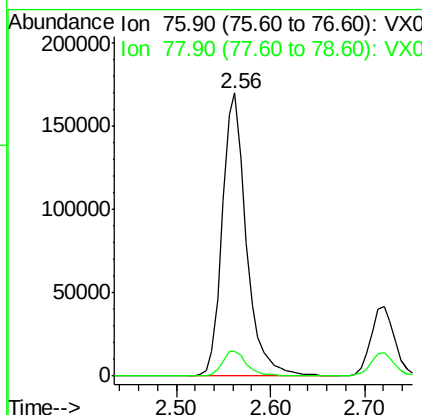
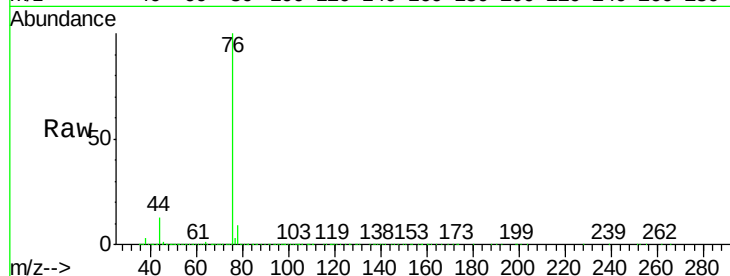
#17
Carbon Disulfide
Concen: 48.956 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
76	100	299985		
78	8.8		7.2	10.8

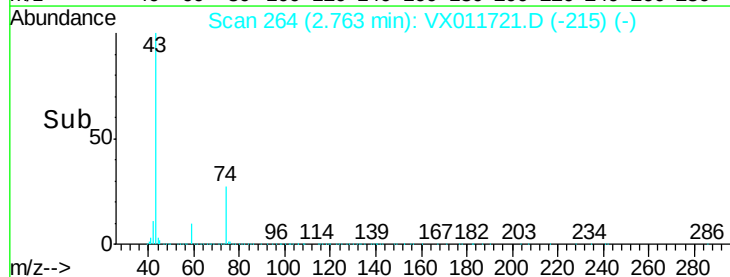
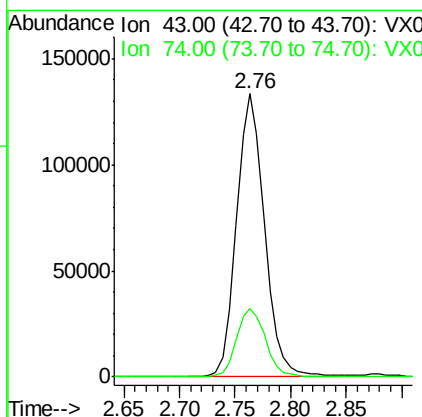
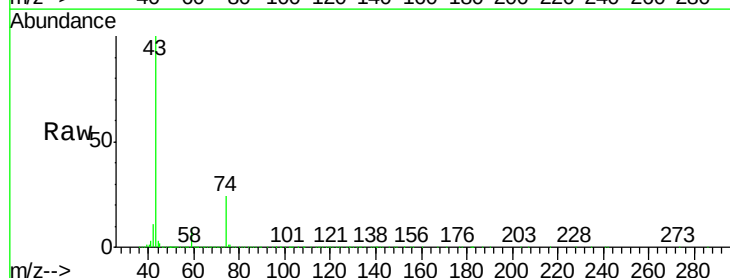
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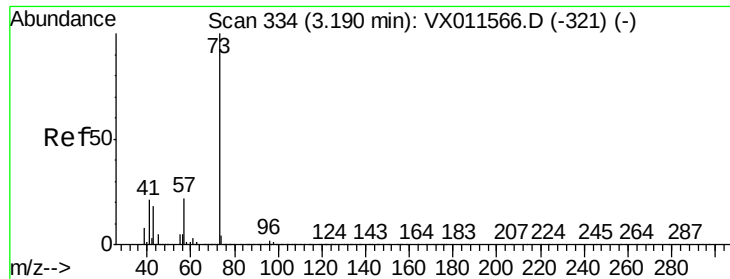
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#18
Methyl Acetate
Concen: 52.269 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	230532		
74	25.1		19.7	29.5





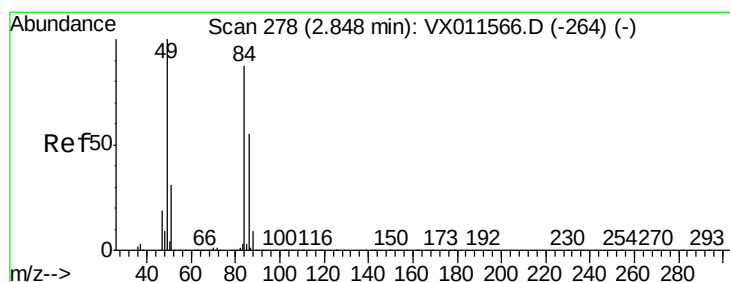
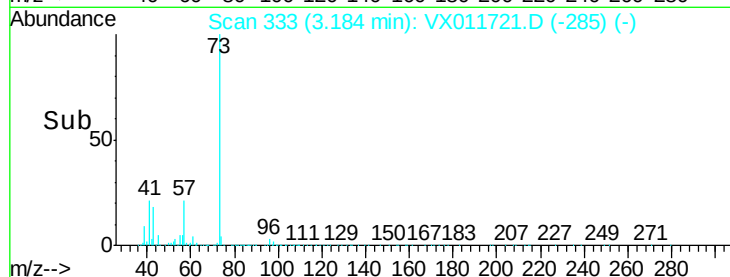
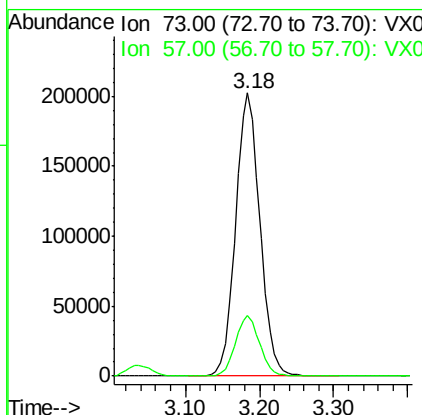
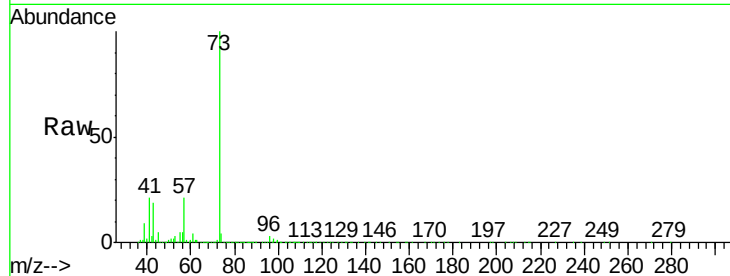
#19
Methyl tert-butyl Ether
Concen: 54.602 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.2	25.8

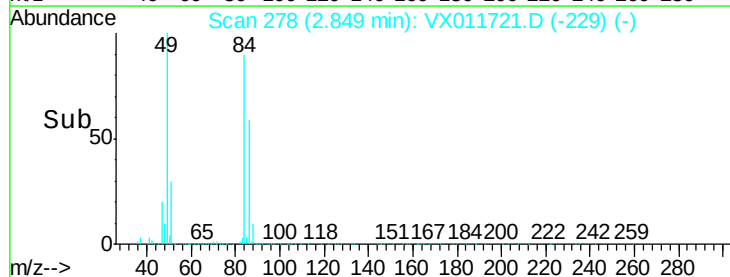
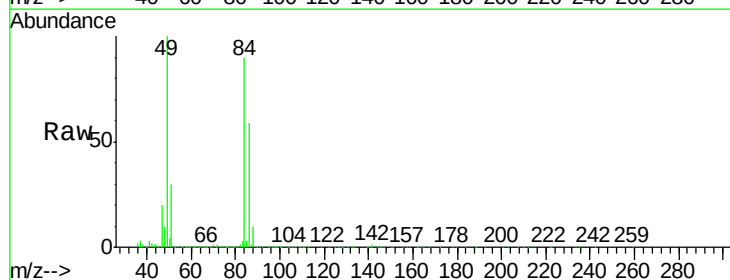
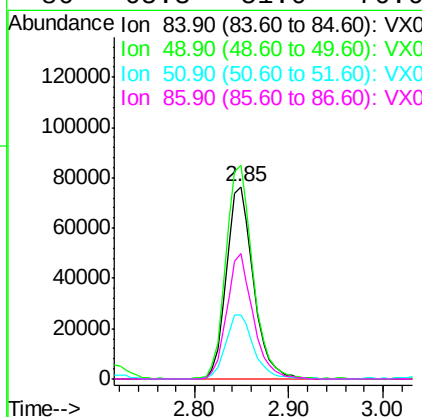
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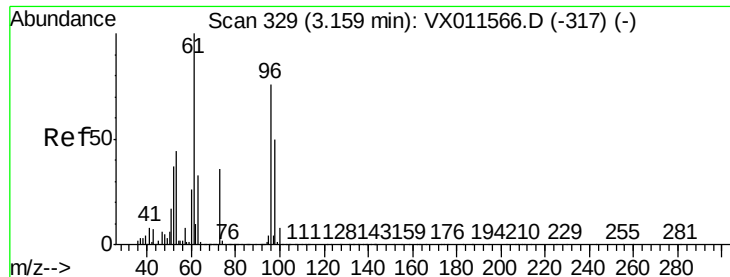
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#20
Methylene Chloride
Concen: 50.844 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.8	92.4	138.6
51	33.4	28.5	42.7
86	65.3	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 52.200 ug/l

RT: 3.15 min Scan# 328

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

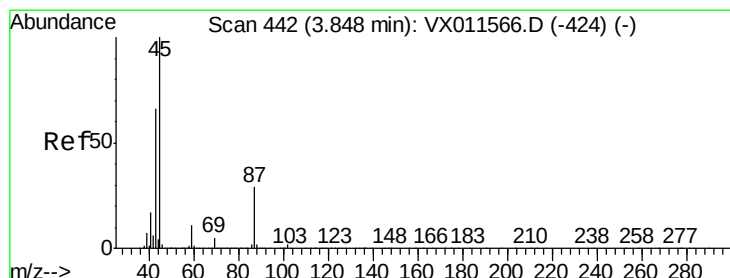
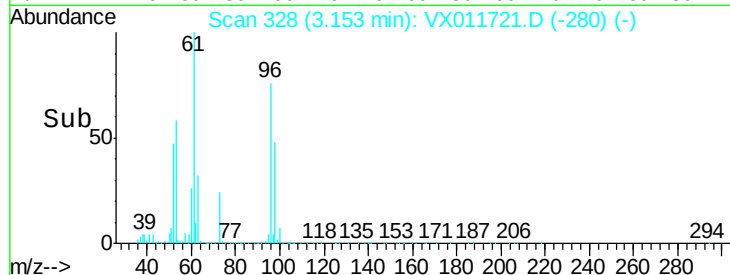
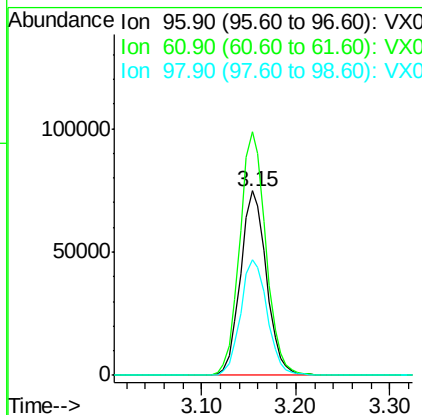
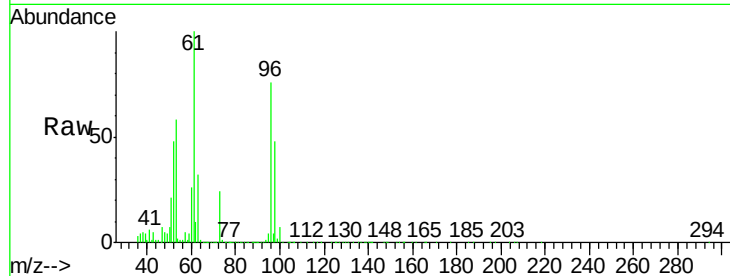
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	143850
Ion	Ratio	Lower	Upper
96	100		
61	132.0	105.5	158.3
98	62.9	52.6	78.8

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#22

Diisopropyl ether

Concen: 52.265 ug/l

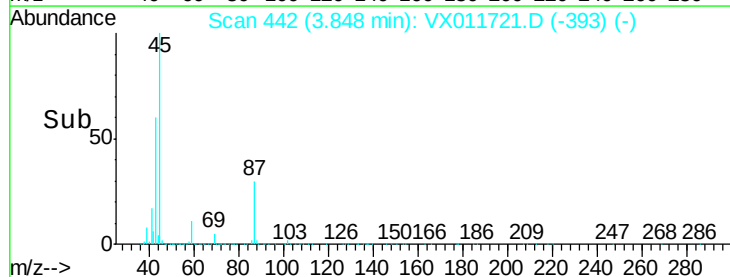
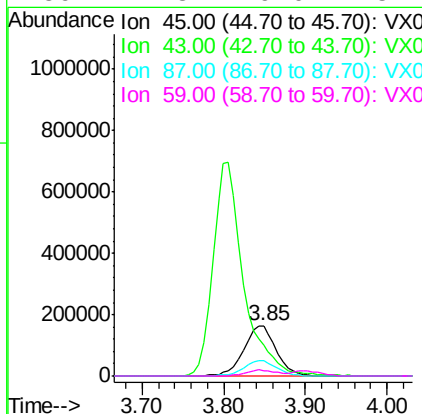
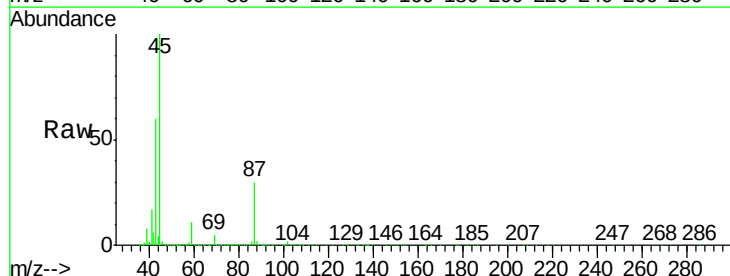
RT: 3.85 min Scan# 442

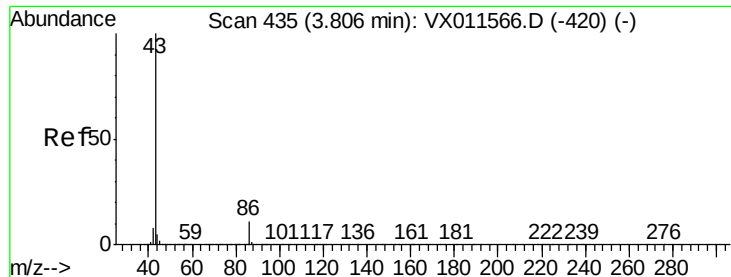
Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	45	Resp:	450259
Ion	Ratio	Lower	Upper
45	100		
43	58.9	52.7	79.1
87	29.5	23.5	35.3
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 266.164 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tot Ion: 43 Resp: 1815743

Ion Ratio Lower Upper

43 100

86 11.3 8.6 13.0

Instrument :

MSVOA_X

ClientSampleId :

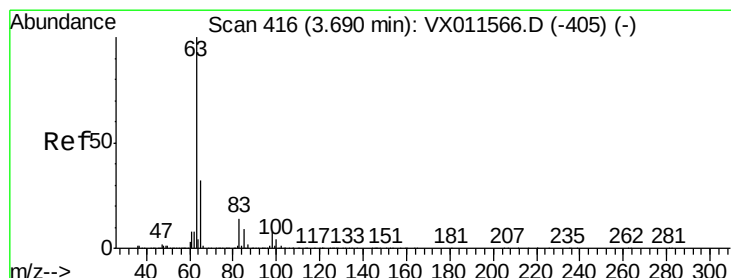
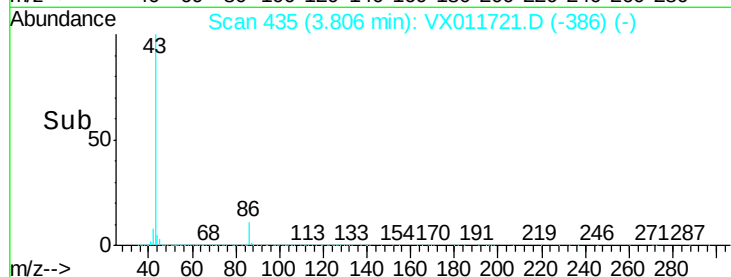
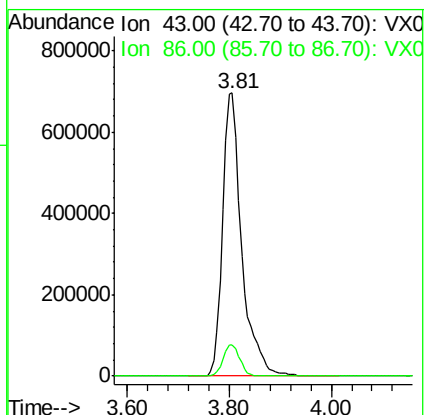
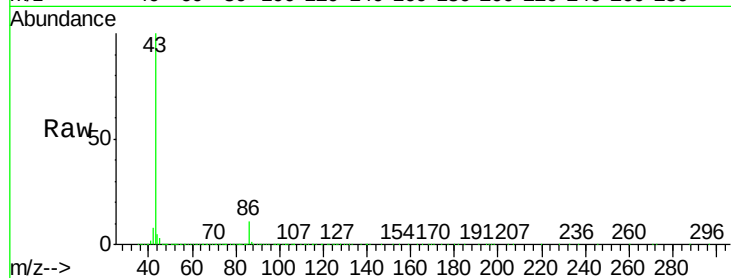
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#24

1,1-Dichloroethane

Concen: 52.029 ug/l

RT: 3.68 min Scan# 415

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

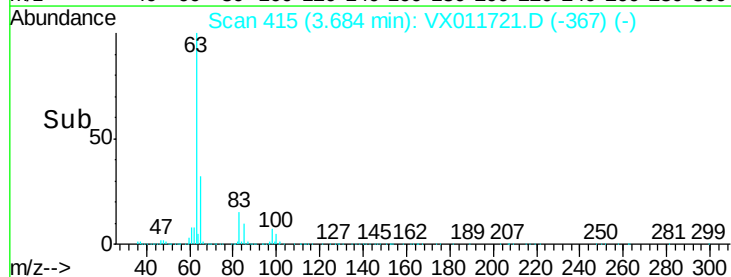
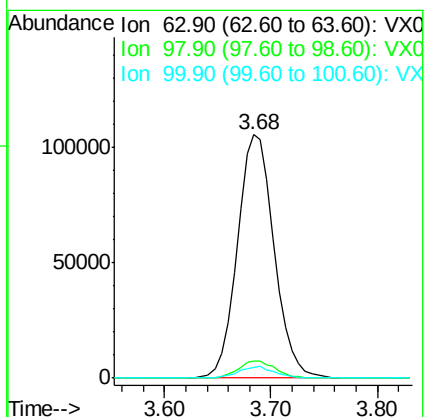
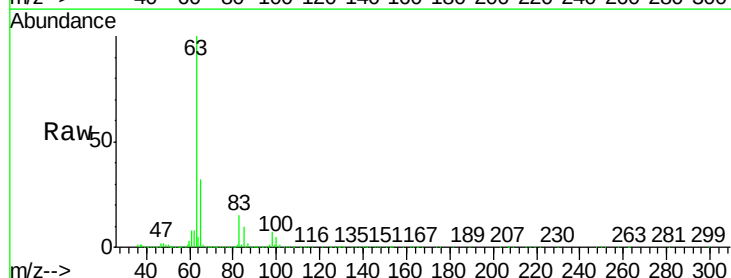
Tgt Ion: 63 Resp: 253420

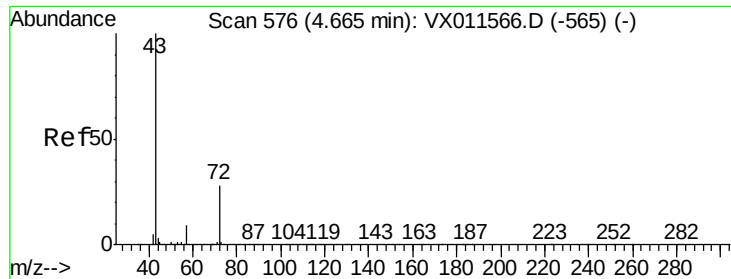
Ion Ratio Lower Upper

63 100

98 6.9 3.7 11.1

100 4.4 2.1 6.3





#25

2-Butanone

Concen: 250.013 ug/l

RT: 4.66 min Scan# 575

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 558185

Ion Ratio Lower Upper

43 100

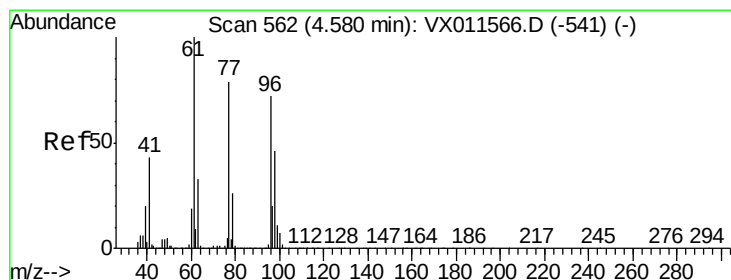
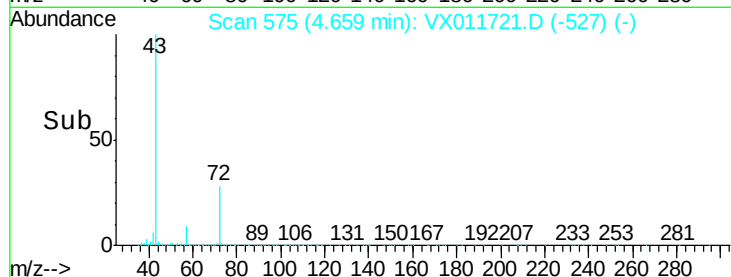
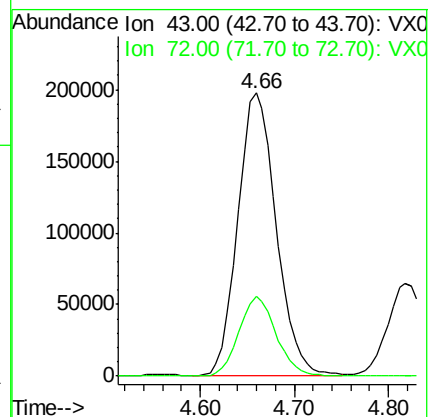
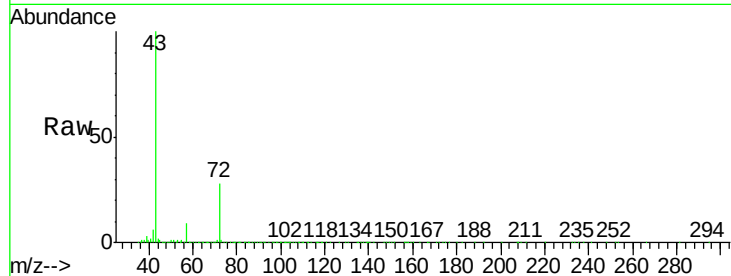
72 28.0 22.2 33.4

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#26

2,2-Dichloropropane

Concen: 58.426 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011721.D

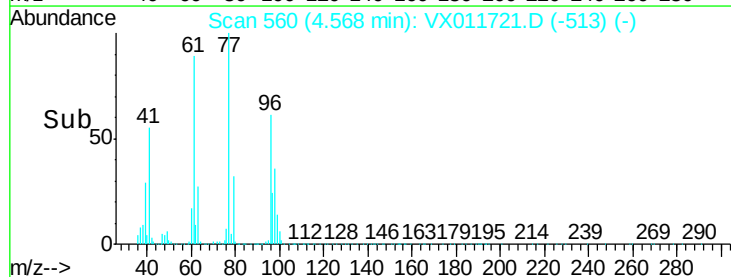
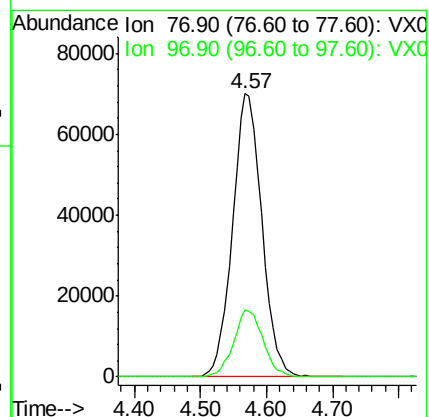
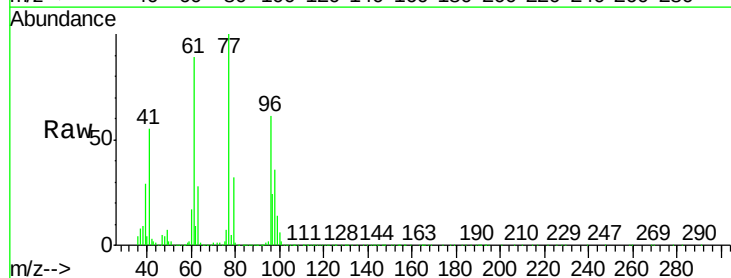
Acq: 21 Aug 2019 08:56

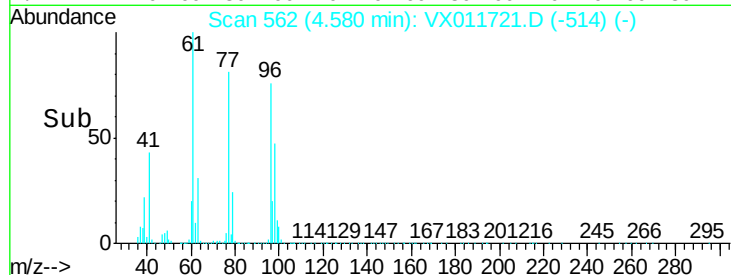
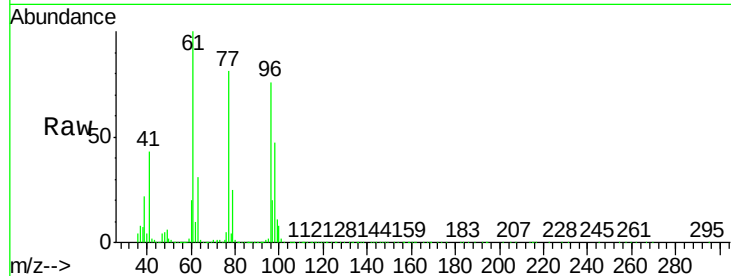
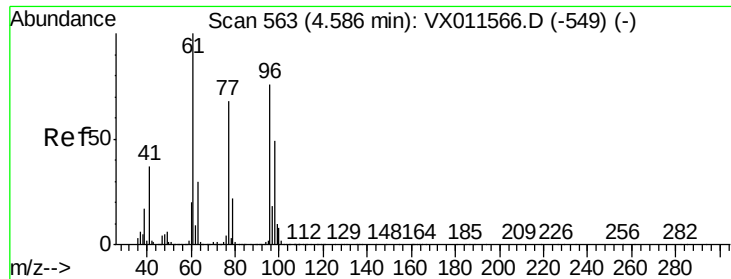
Tgt Ion: 77 Resp: 214185

Ion Ratio Lower Upper

77 100

97 24.0 12.4 37.2





#27

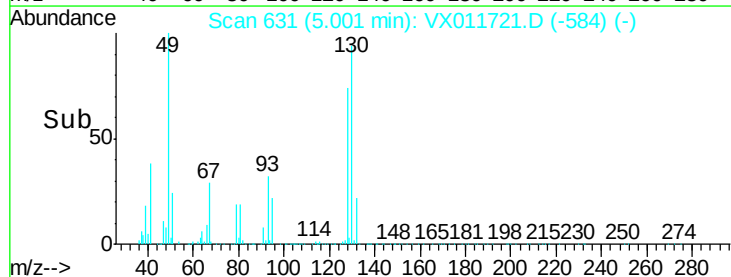
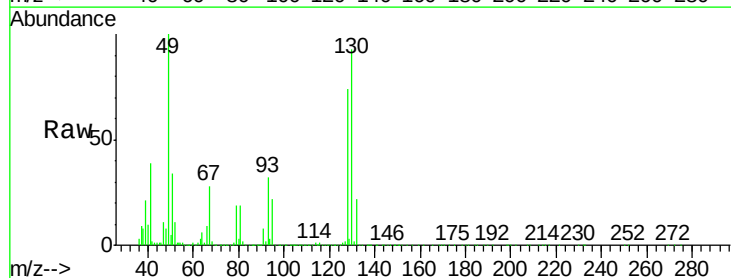
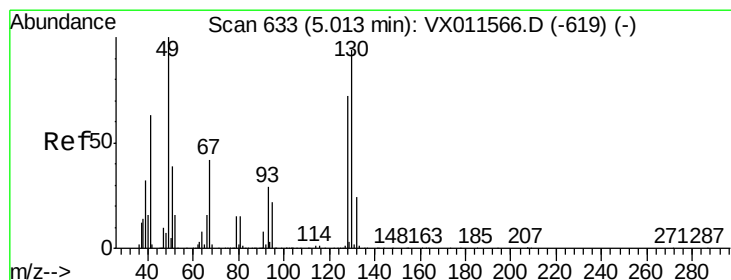
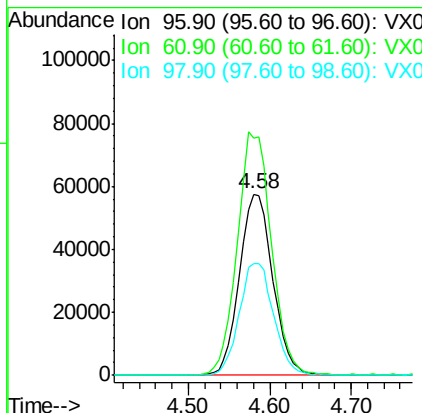
cis-1,2-Dichloroethene
Concen: 51.000 ug/l
RT: 4.58 min Scan# 562
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tot Ion	Ratio	Resp	Lower	Upper
96	100	163839		
61	137.3	0.0	272.6	
98	63.0	0.0	129.4	

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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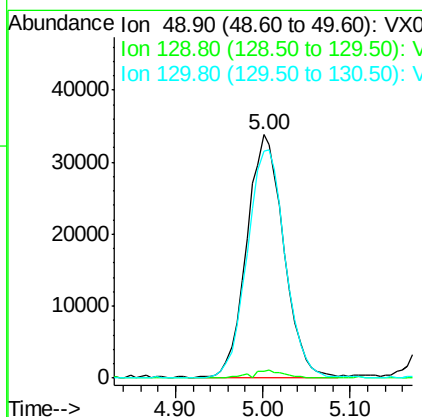
MMDadoda
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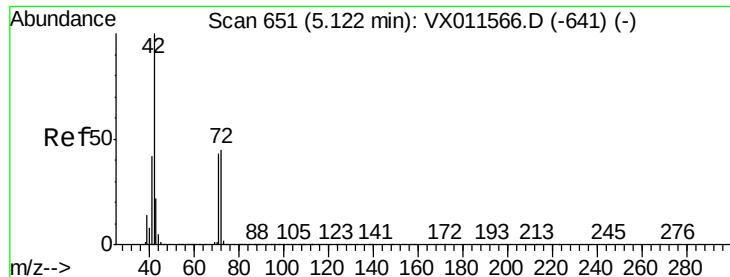


#28

Bromochloromethane
Concen: 46.725 ug/l
RT: 5.00 min Scan# 631
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	99907		
129	2.8	0.0	5.0	
130	96.0	76.6	115.0	





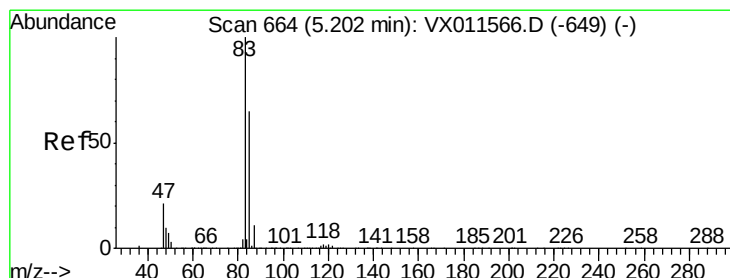
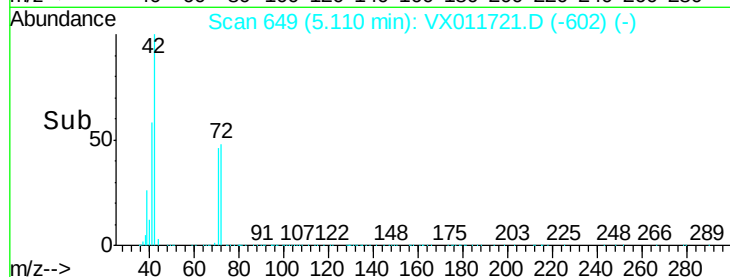
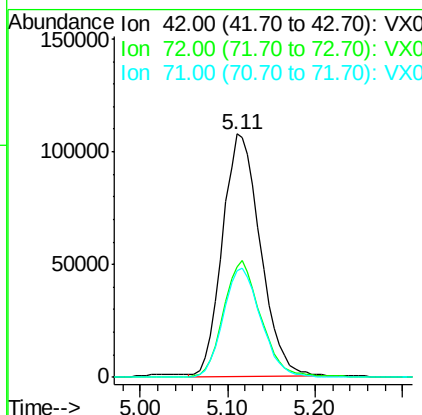
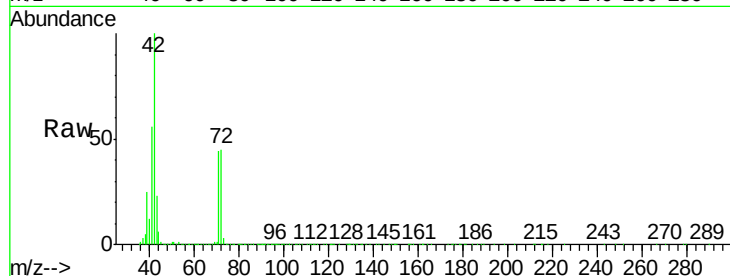
#29
Tetrahydrofuran
Concen: 221.220 ug/l
RT: 5.11 min Scan# 649
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	36.1	54.1
71	44.3	33.8	50.8

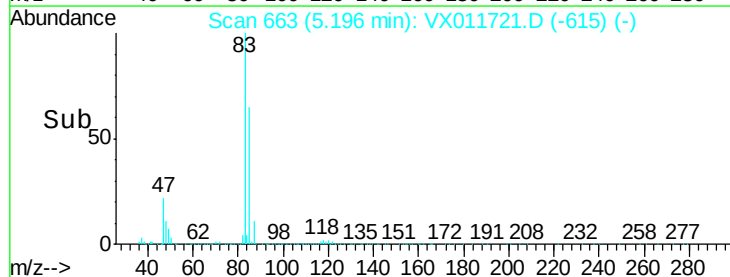
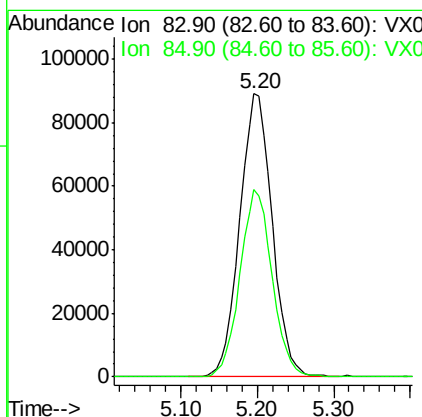
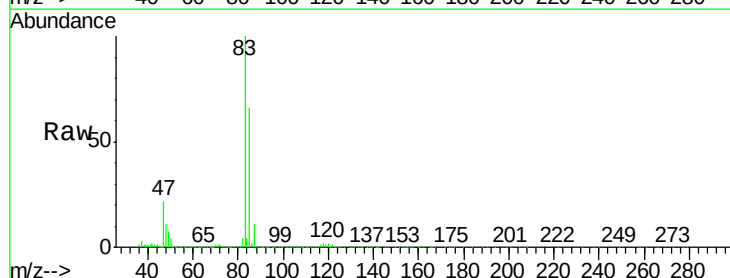
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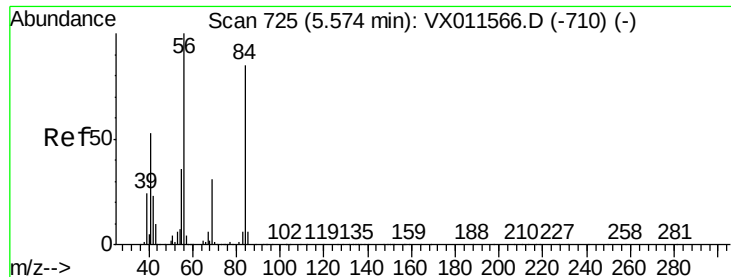
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#30
Chloroform
Concen: 51.061 ug/l
RT: 5.20 min Scan# 663
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.9	77.9





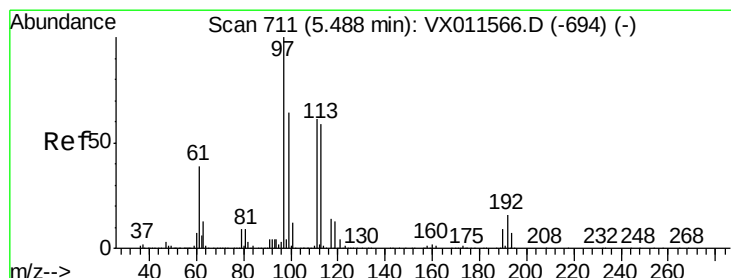
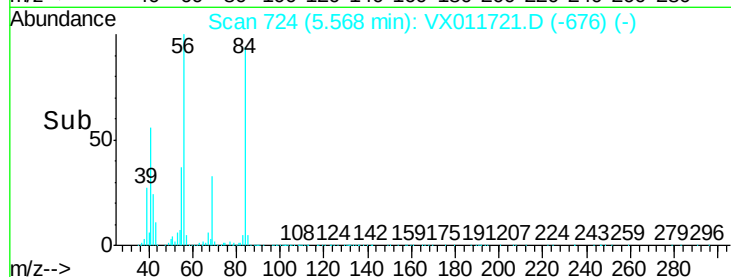
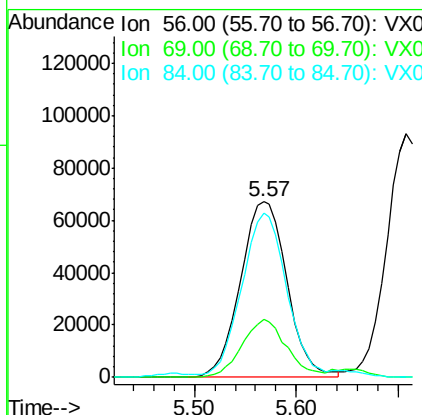
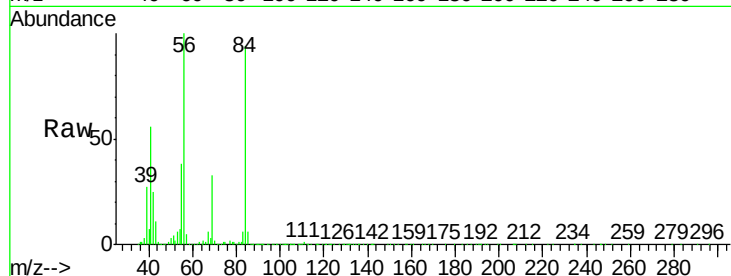
#31
Cyclohexane
Concen: 50.154 ug/l
RT: 5.57 min Scan# 724
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.8	37.2
84	92.7	67.9	101.9

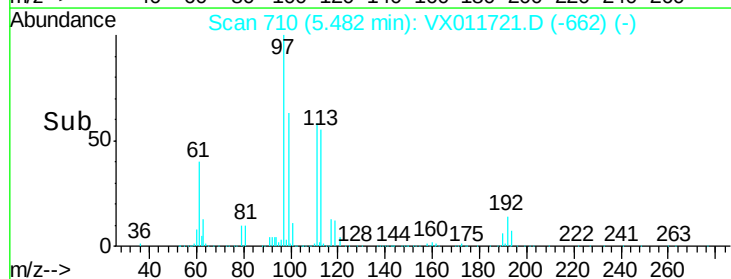
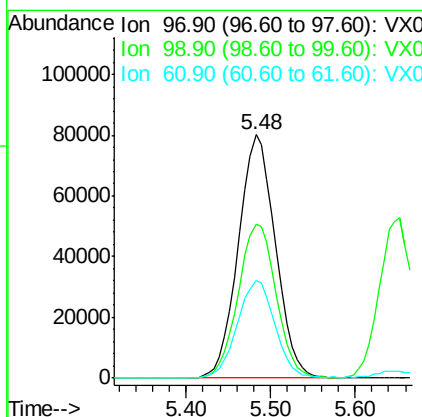
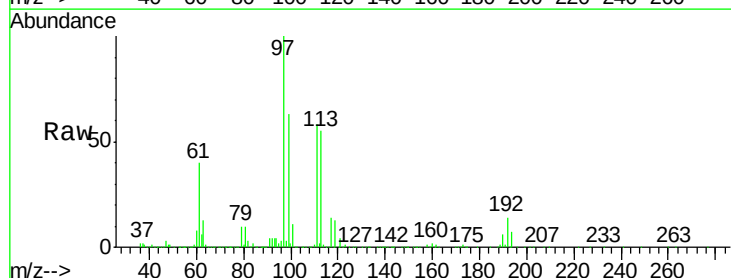
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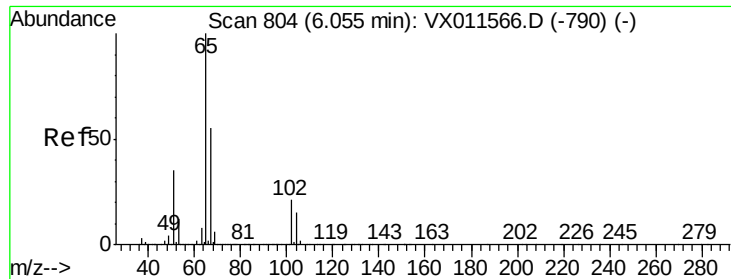
MMDadoda
8/22/2019 10:00:58 AM



#32
1,1,1-Trichloroethane
Concen: 54.014 ug/l
RT: 5.48 min Scan# 710
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.4	77.0
61	40.5	31.4	47.2





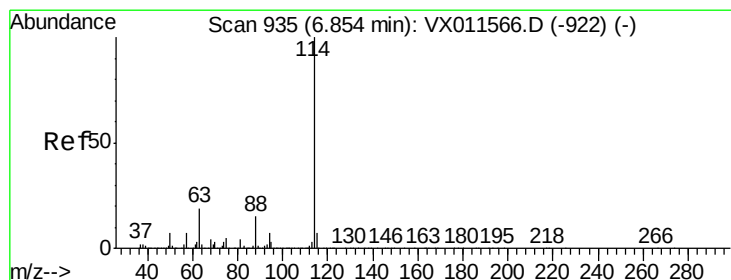
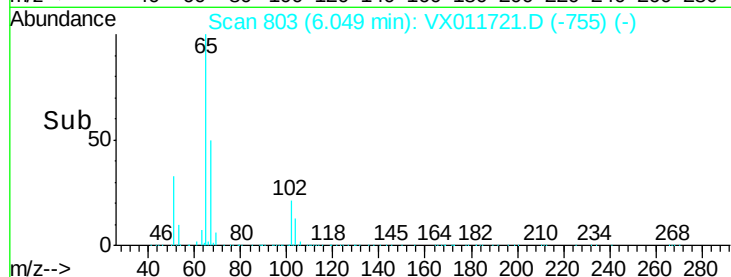
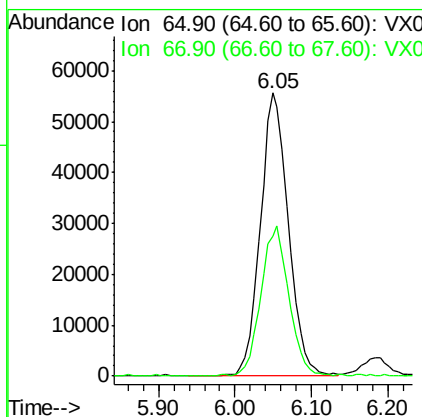
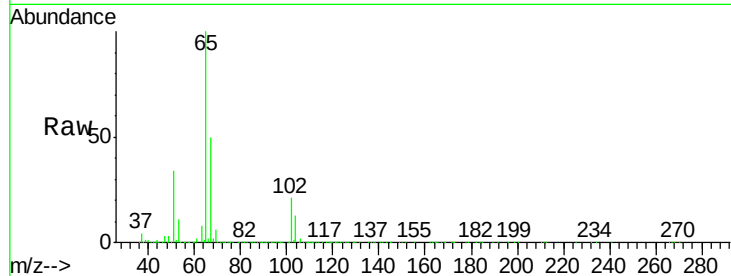
#33
 1,2-Dichloroethane-d4
 Concen: 49.987 ug/l
 RT: 6.05 min Scan# 803
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141378		
67	53.1	0.0	107.6	

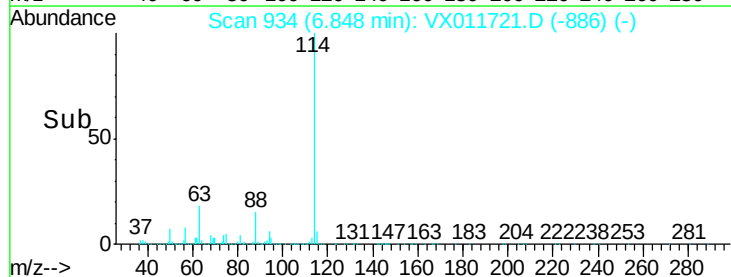
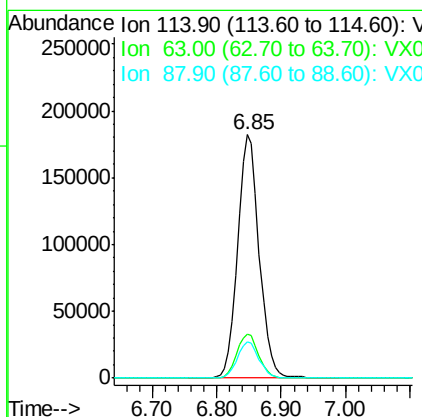
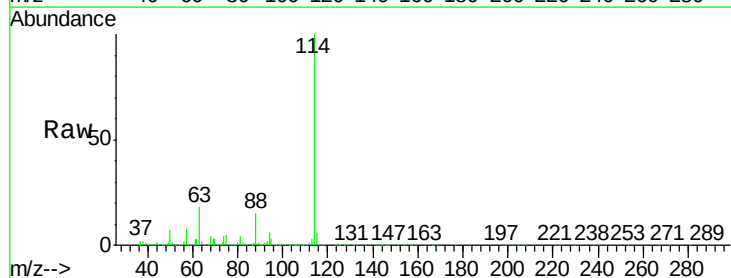
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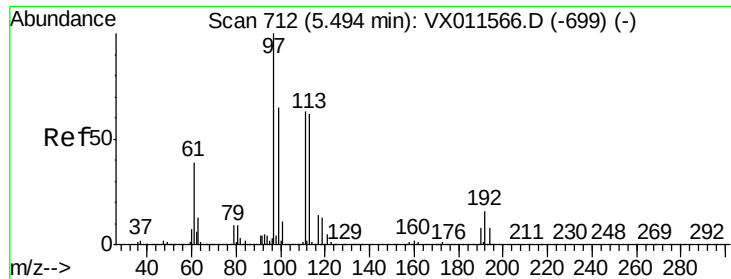
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 934
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	421924		
63	18.2	0.0	37.8	
88	14.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 47.036 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

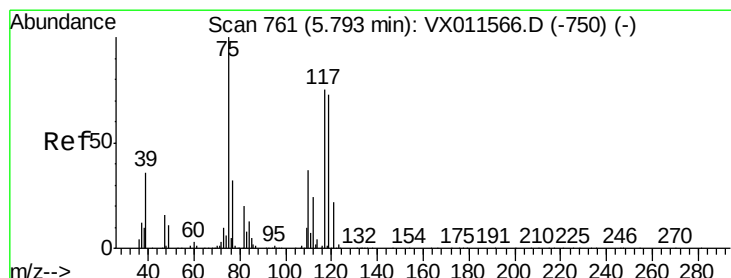
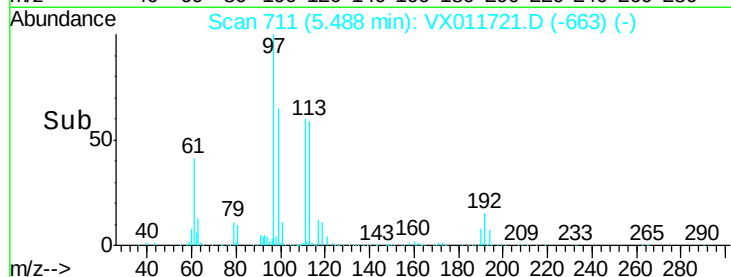
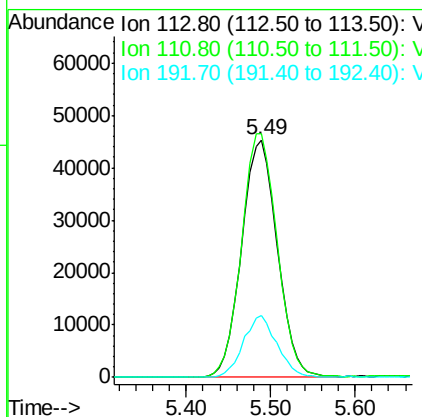
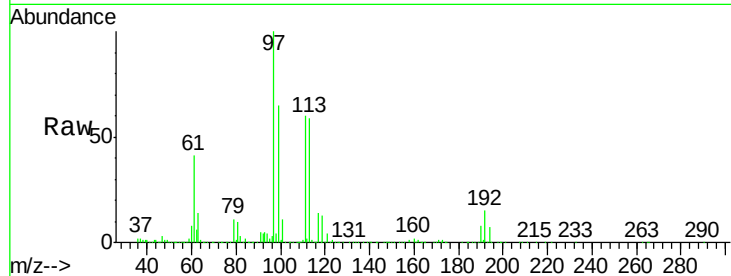
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	129802
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.1	121.7
192	24.8	20.8	31.2

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#36

1,1-Dichloropropene

Concen: 52.994 ug/l

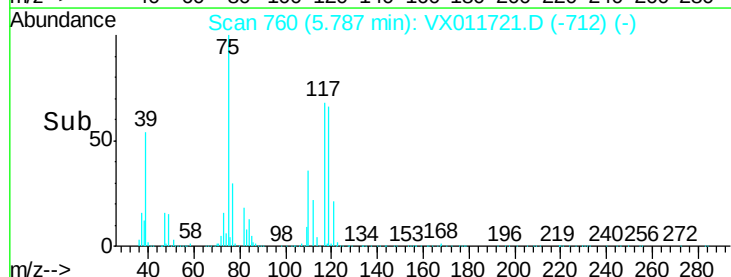
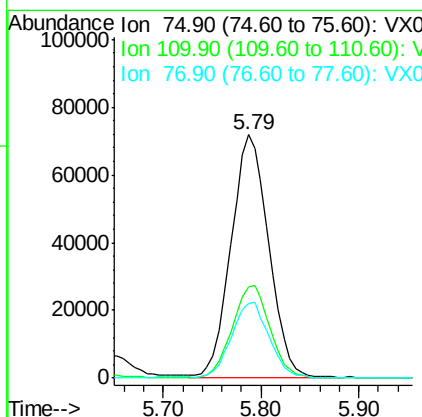
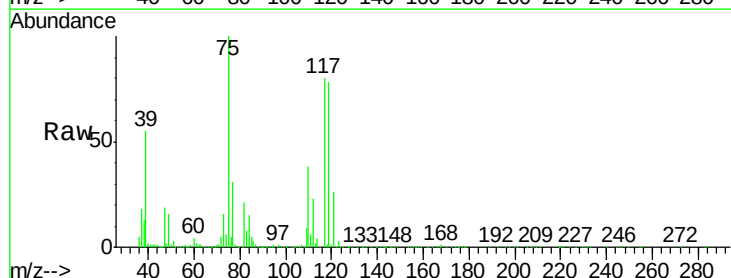
RT: 5.79 min Scan# 760

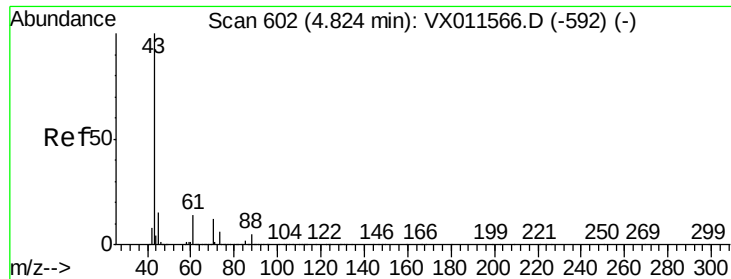
Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	75	Resp:	191169
Ion Ratio	Lower	Upper	
75	100		
110	38.1	19.4	58.1
77	30.9	25.1	37.7





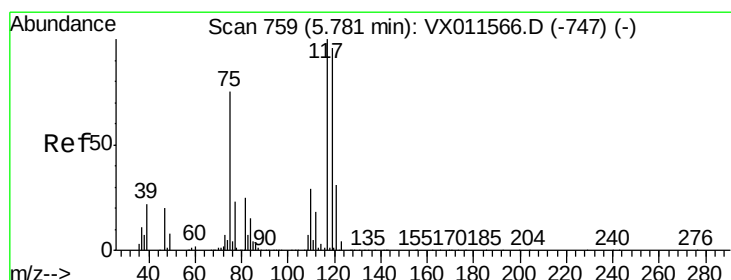
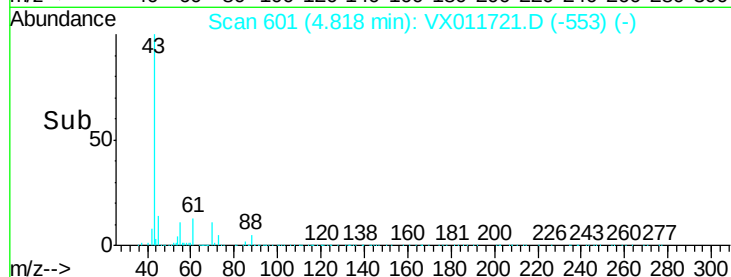
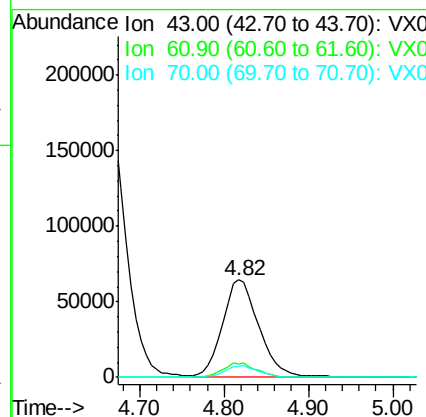
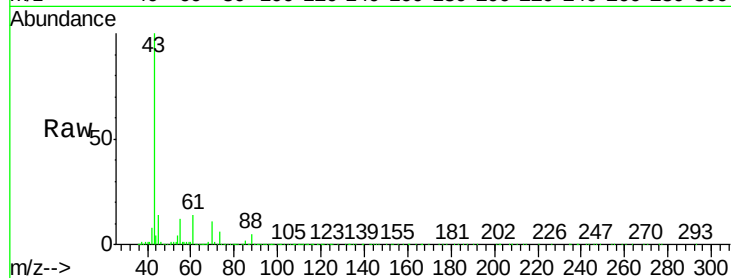
#37
Ethyl Acetate
Concen: 45.100 ug/l
RT: 4.82 min Scan# 601
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	11.4	17.0
70	11.0	9.0	13.6

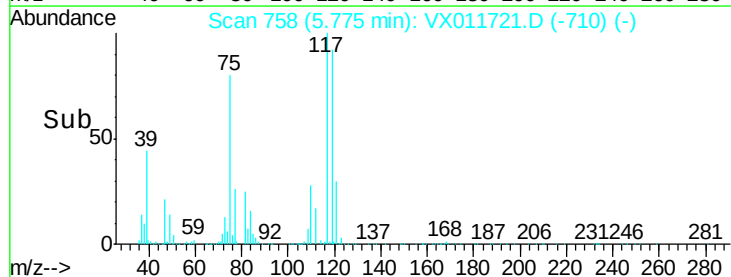
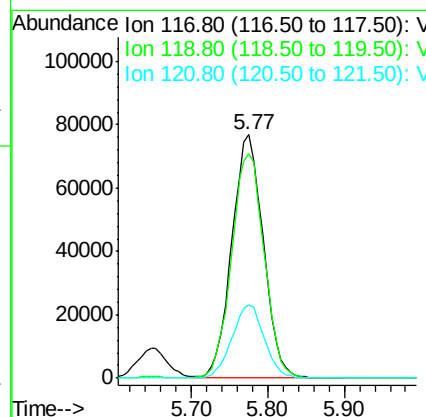
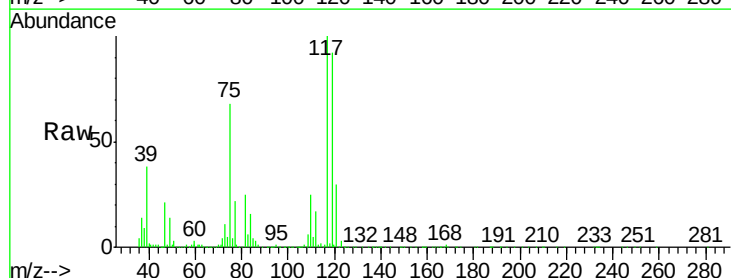
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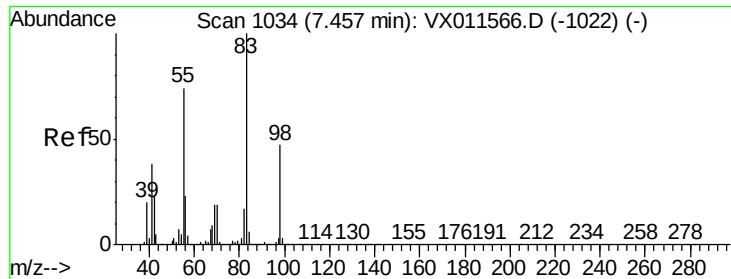
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#38
Carbon Tetrachloride
Concen: 54.882 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	76.9	115.3
121	29.9	24.8	37.2





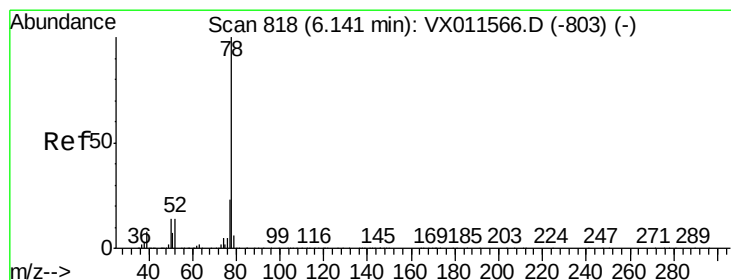
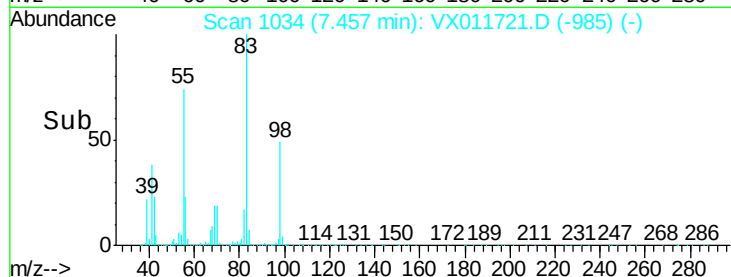
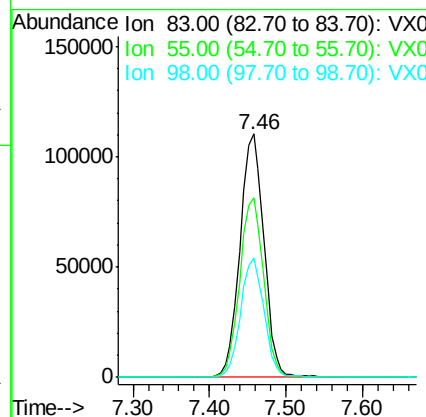
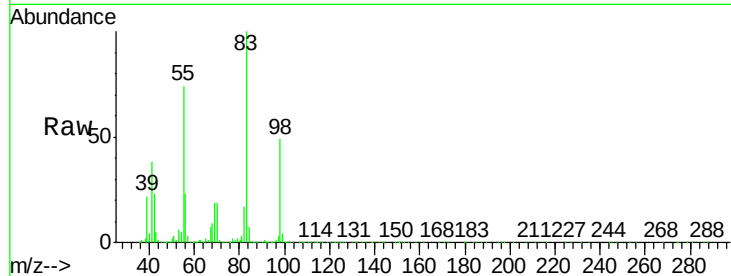
#39
Methylvlcyclohexane
Concen: 54.020 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	58.8	88.2
98	48.9	37.8	56.6

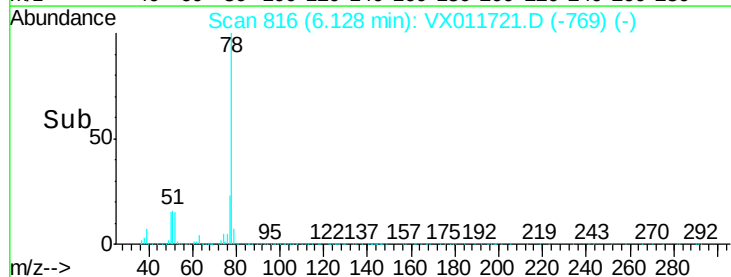
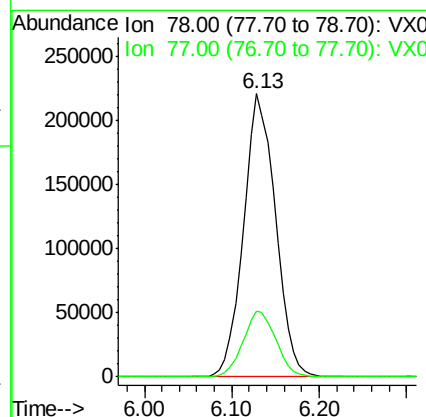
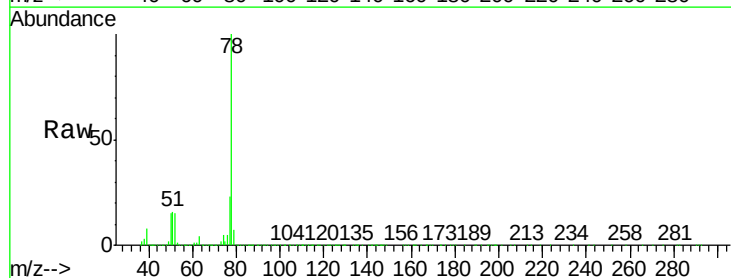
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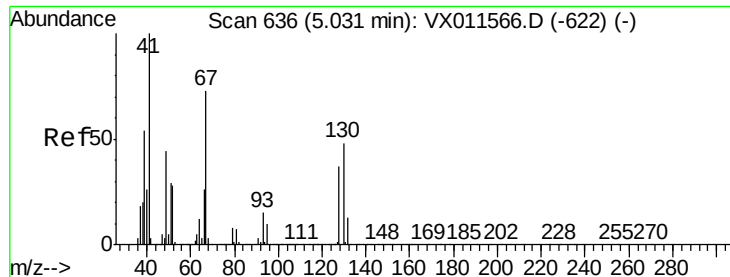
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#40
Benzene
Concen: 49.991 ug/l
RT: 6.13 min Scan# 816
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	28.0





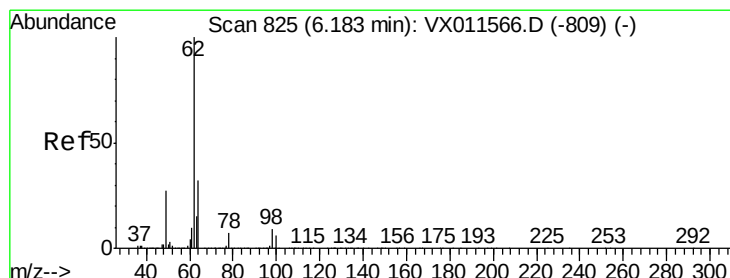
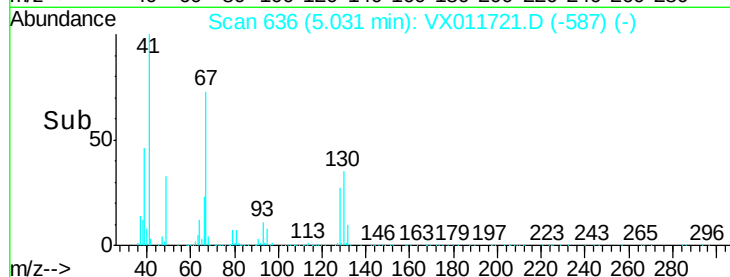
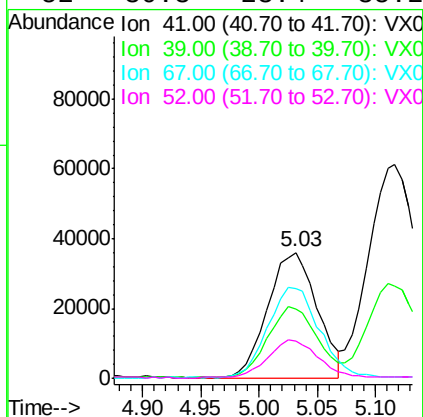
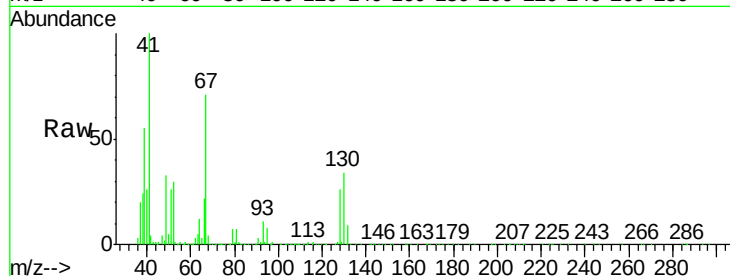
#41
Methacrylonitrile
Concen: 46.692 ug/l
RT: 5.03 min Scan# 636
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.1	43.5	65.3
67	75.1	59.4	89.2
52	30.3	23.4	35.2

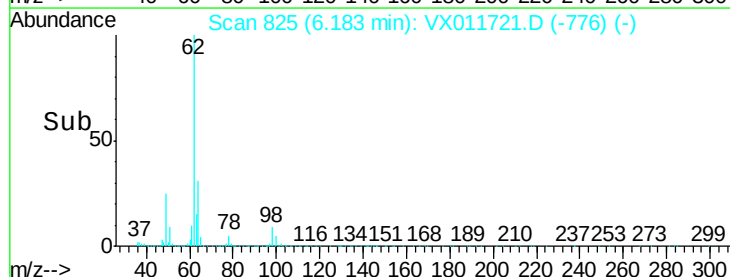
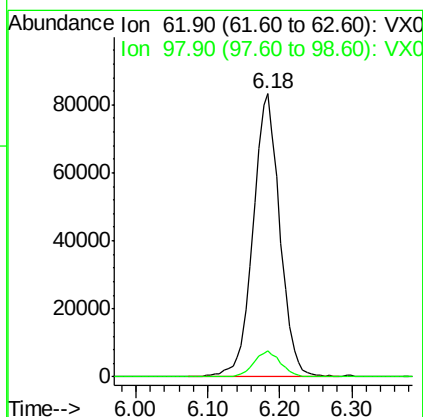
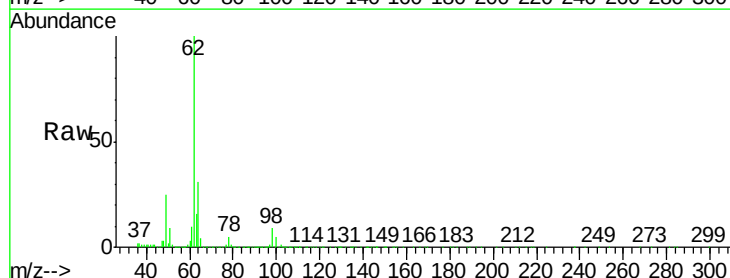
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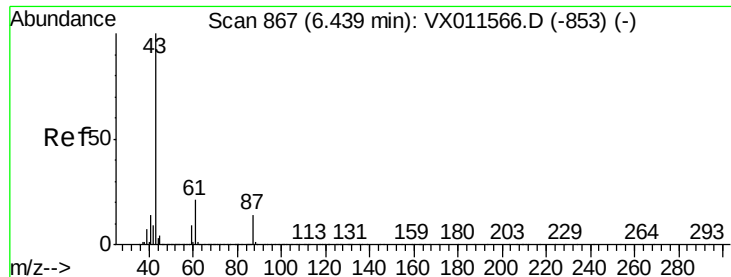
MMDadoda
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#42
1,2-Dichloroethane
Concen: 55.535 ug/l
RT: 6.18 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 50.294 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

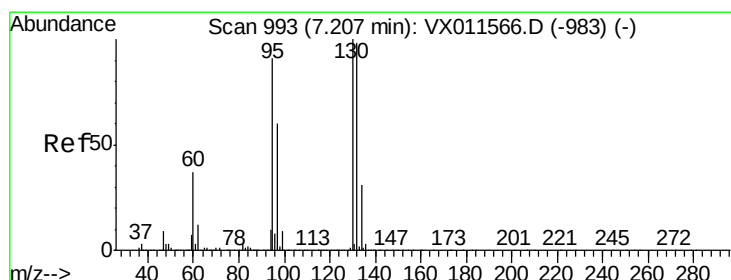
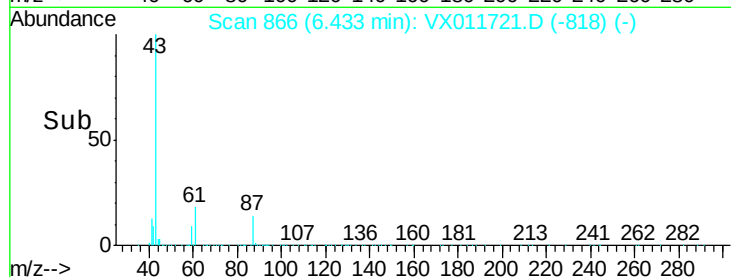
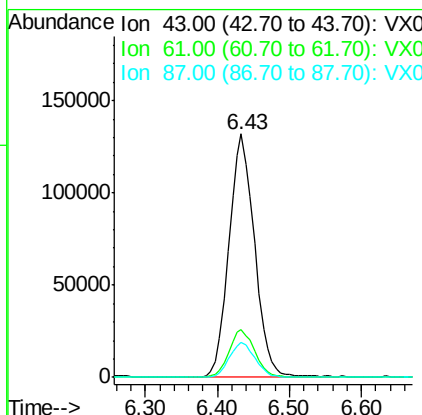
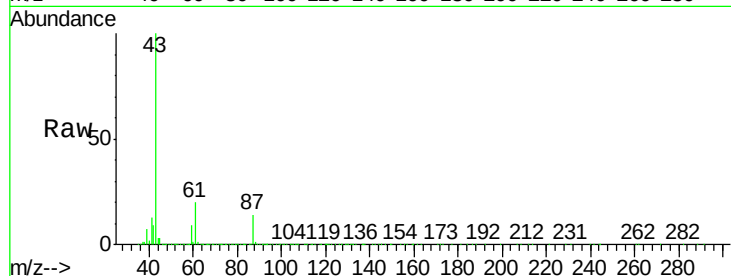
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	325669
Ion	Ratio	Lower	Upper
43	100		
61	19.6	16.6	24.8
87	14.3	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 52.042 ug/l

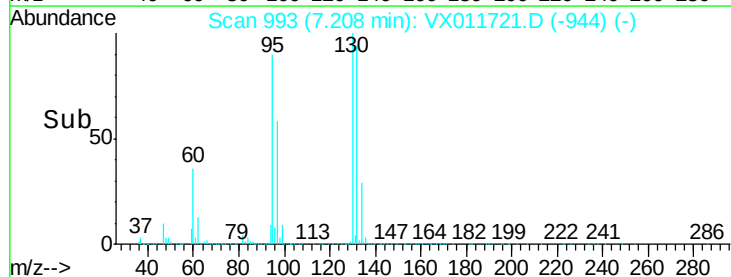
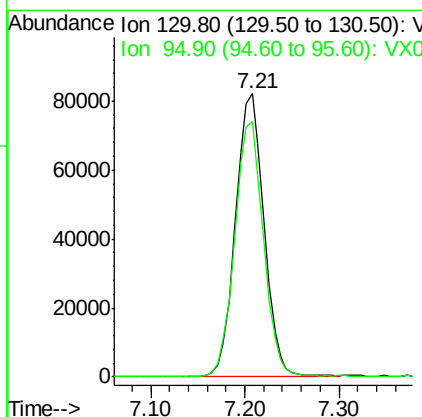
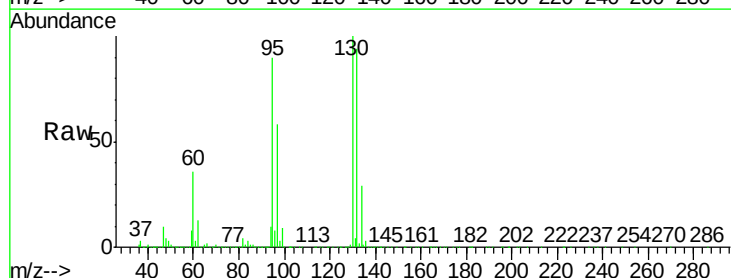
RT: 7.21 min Scan# 993

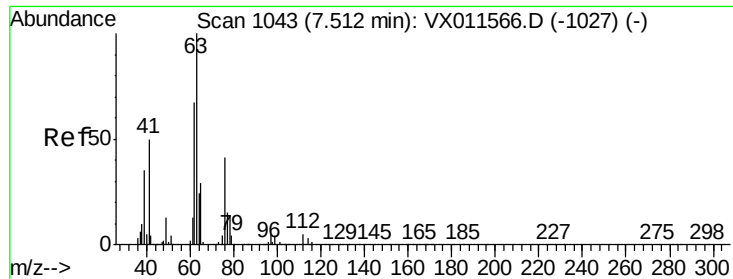
Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	130	Resp:	173070
Ion	Ratio	Lower	Upper
130	100		
95	90.0	0.0	181.4





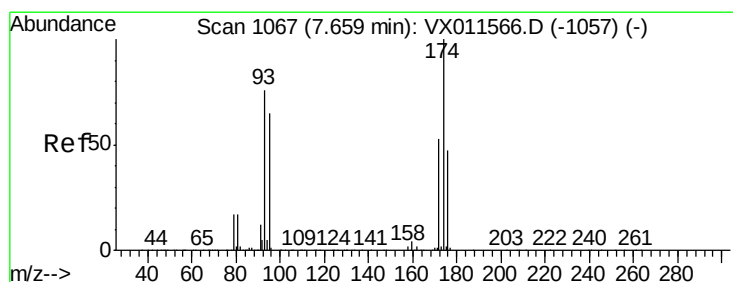
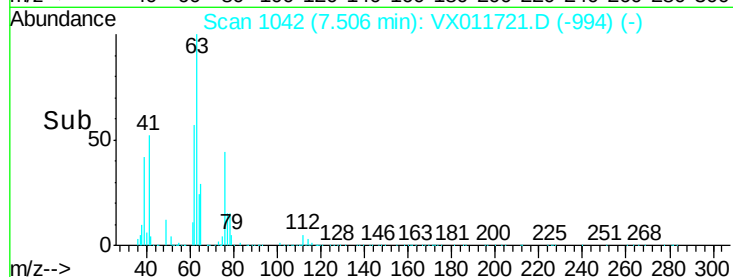
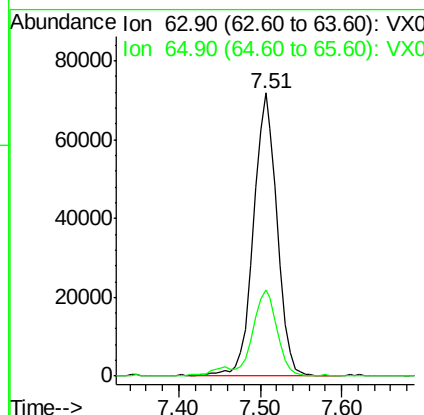
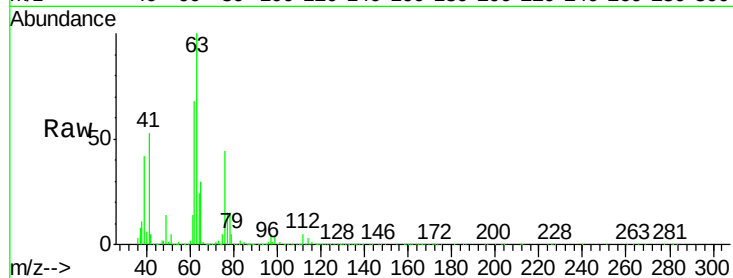
#45
 1,2-Dichloropropane
 Concen: 51.709 ug/l
 RT: 7.51 min Scan# 1042
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	23.4	35.2

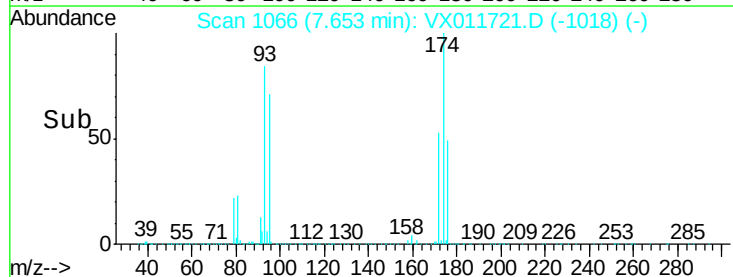
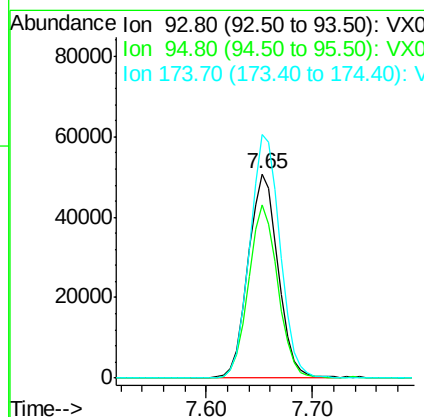
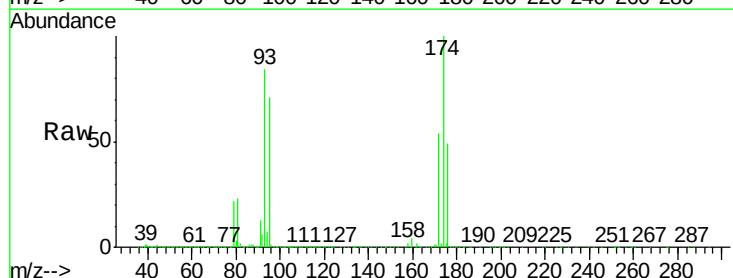
Manual Integrations
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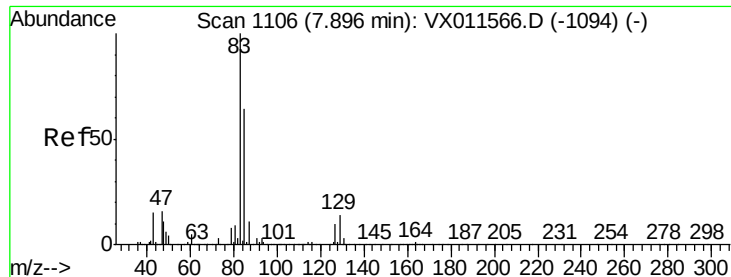
MMDadoda
 8/22/2019 10:00:58 AM



#46
 Dibromomethane
 Concen: 49.453 ug/l
 RT: 7.65 min Scan# 1066
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.2	100.8
174	120.5	105.5	158.3





#47

Bromodichloromethane

Concen: 53.341 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

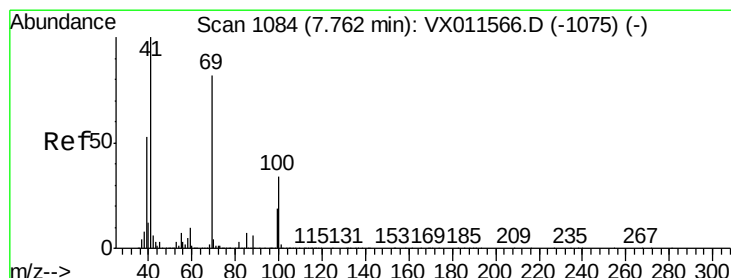
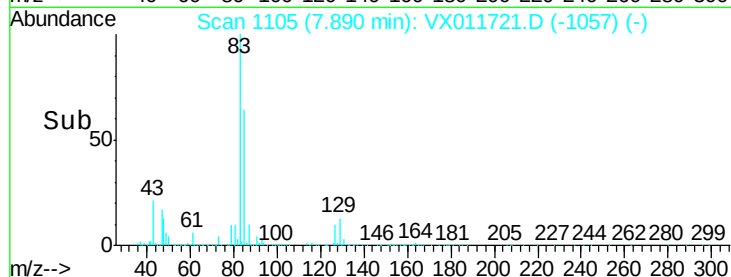
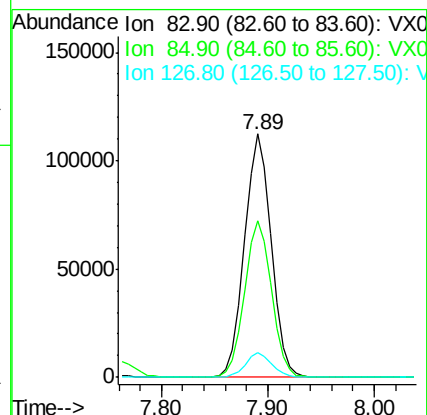
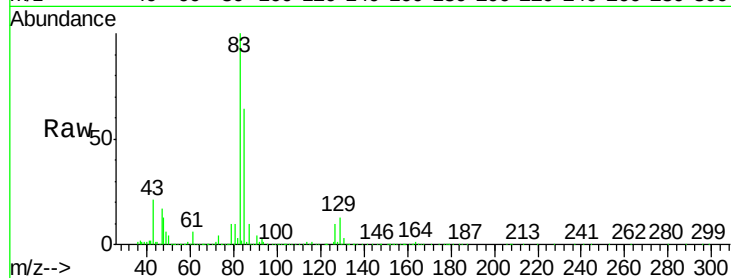
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	198980
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	10.2	8.1	12.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.852 ug/l

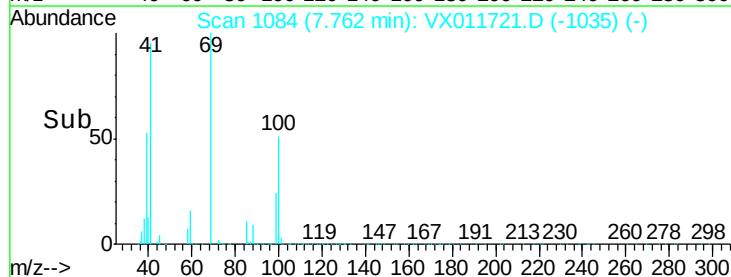
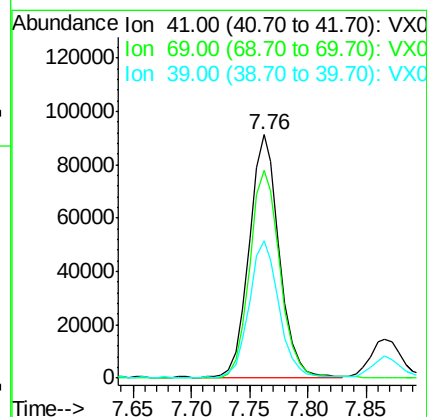
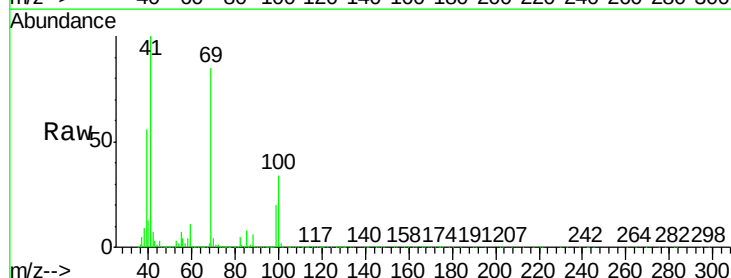
RT: 7.76 min Scan# 1084

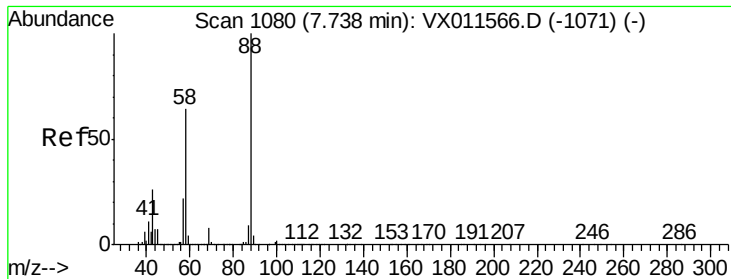
Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	41	Resp:	163064
Ion	Ratio	Lower	Upper
41	100		
69	87.1	67.9	101.9
39	55.6	41.6	62.4





#49

1,4-Dioxane

Concen: 952.506 ug/l

RT: 7.73 min Scan# 1079

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

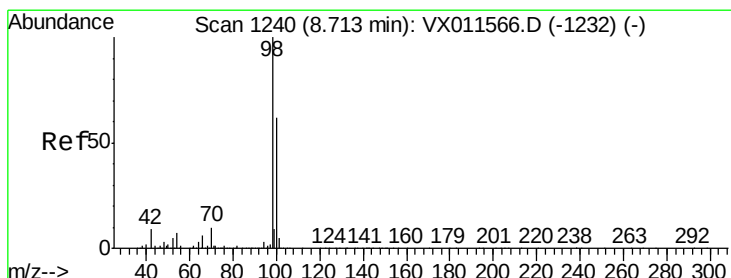
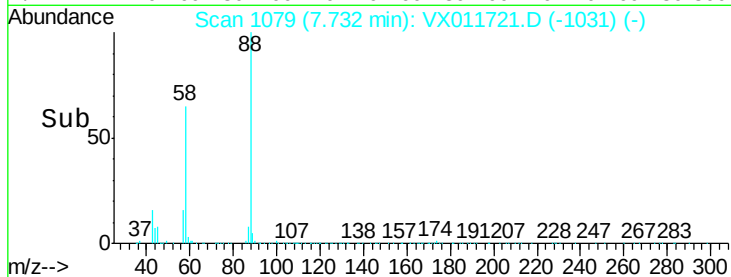
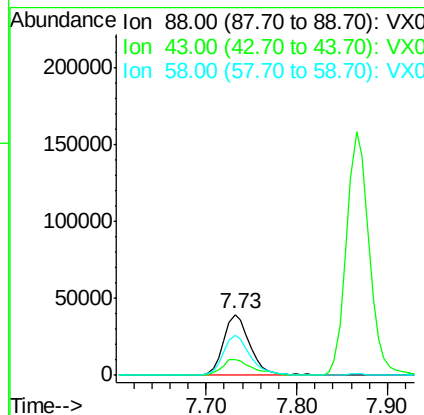
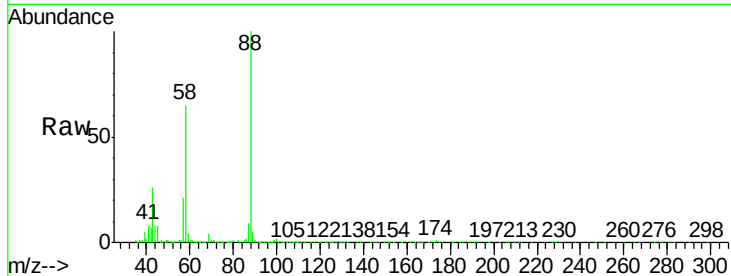
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	81239
Ion Ratio	Lower	Upper	
88	100		
43	29.6	23.4	35.0
58	66.6	54.3	81.5

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#50

Toluene-d8

Concen: 49.532 ug/l

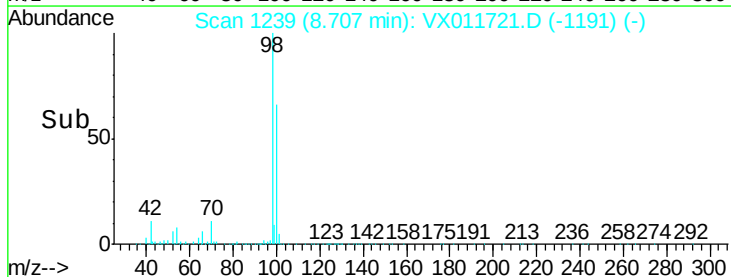
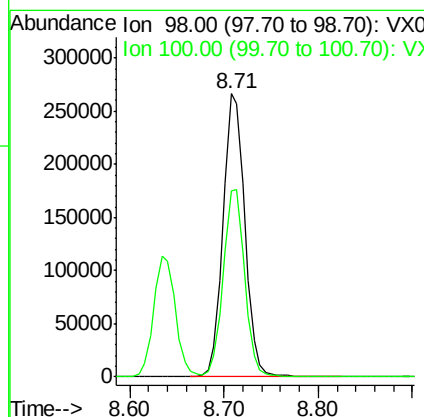
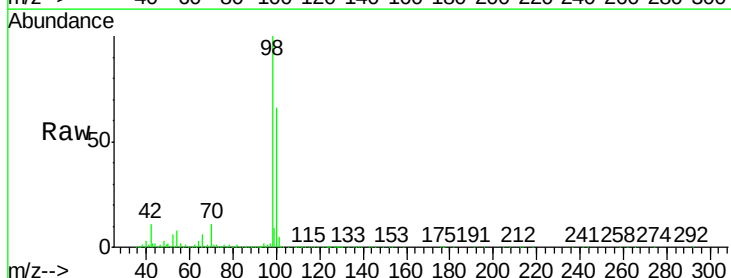
RT: 8.71 min Scan# 1239

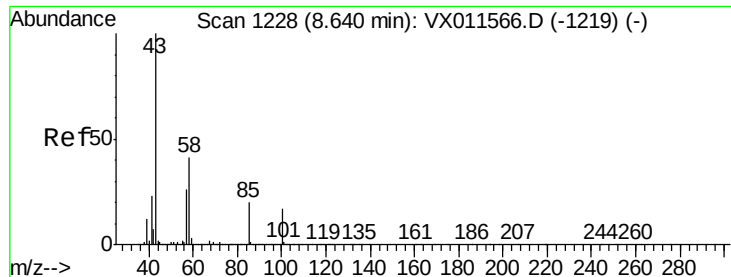
Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	98	Resp:	425915
Ion Ratio	Lower	Upper	
98	100		
100	65.6	52.4	78.6





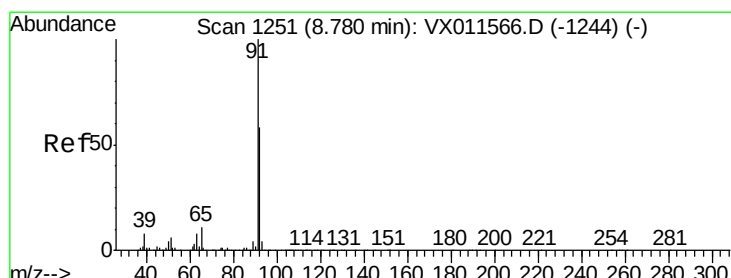
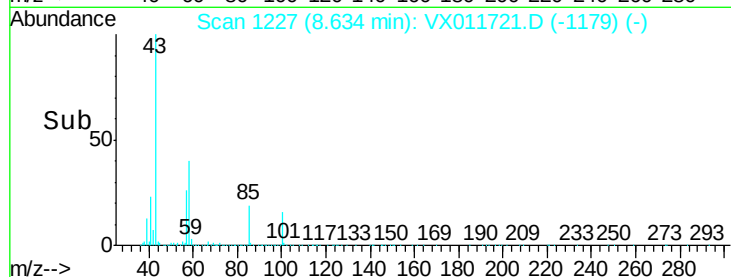
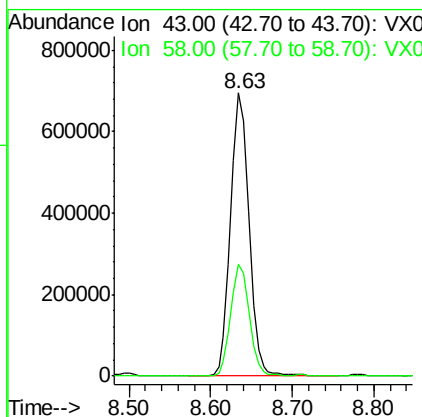
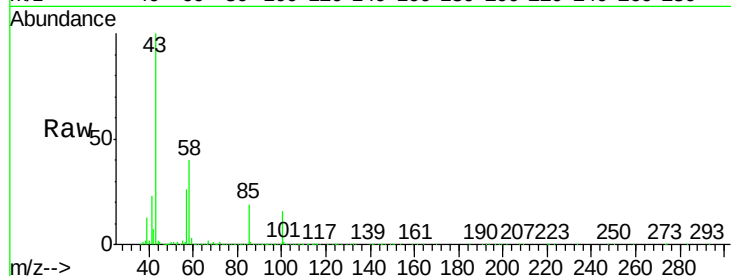
#51
4-Methyl-2-Pentanone
Concen: 256.191 ug/l
RT: 8.63 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1085829
Ion Ratio Lower Upper
43 100
58 39.6 31.8 47.6

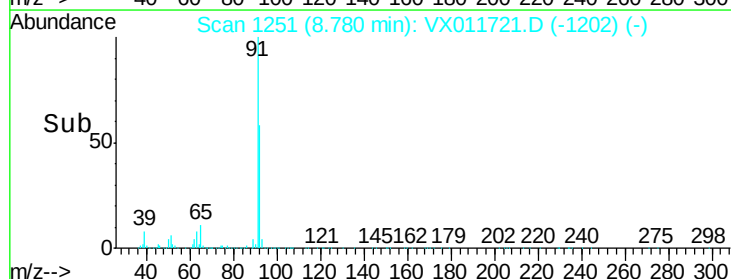
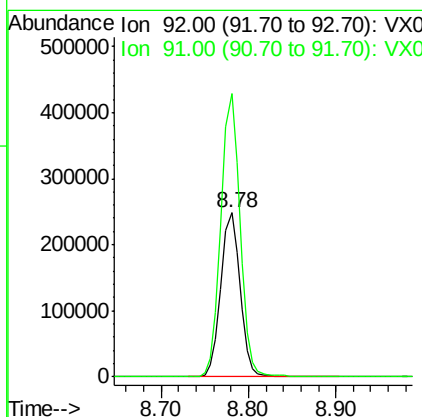
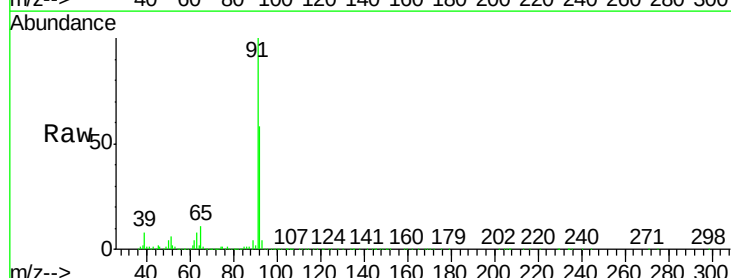
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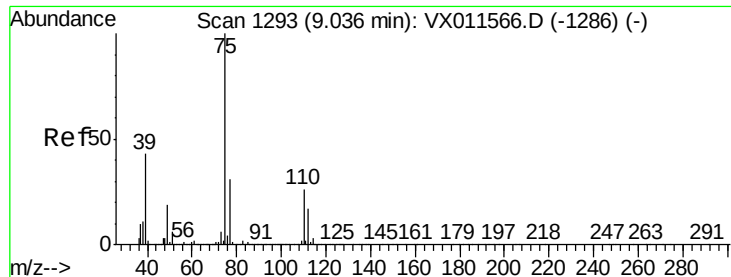
MMDadoda
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#52
Toluene
Concen: 53.389 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion: 92 Resp: 381299
Ion Ratio Lower Upper
92 100
91 170.2 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 57.238 ug/l

RT: 9.04 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 221596

Ion Ratio Lower Upper

75 100

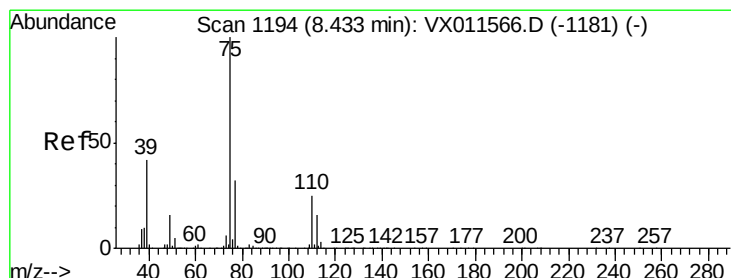
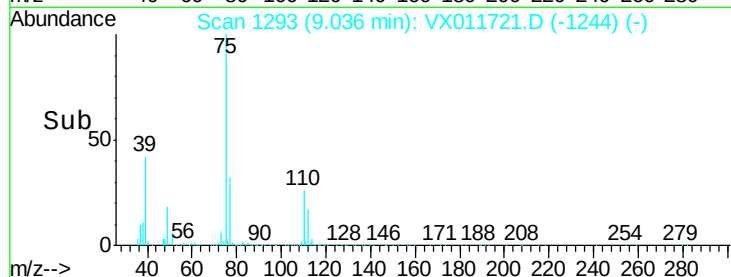
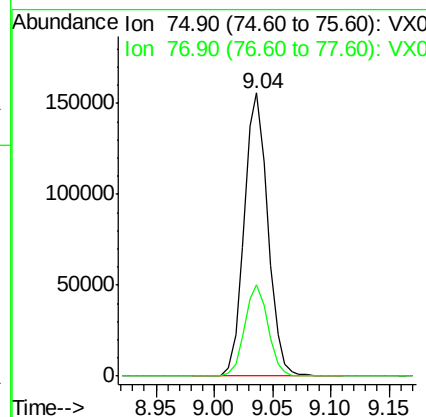
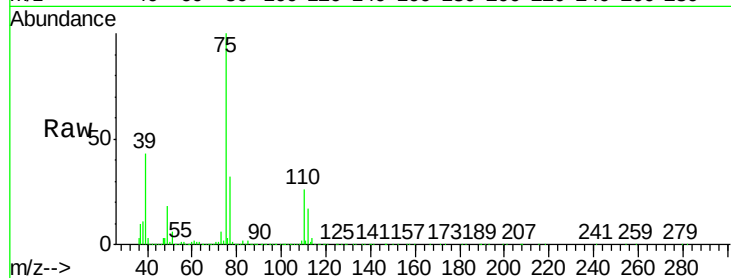
77 32.0 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 56.178 ug/l

RT: 8.43 min Scan# 1193

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

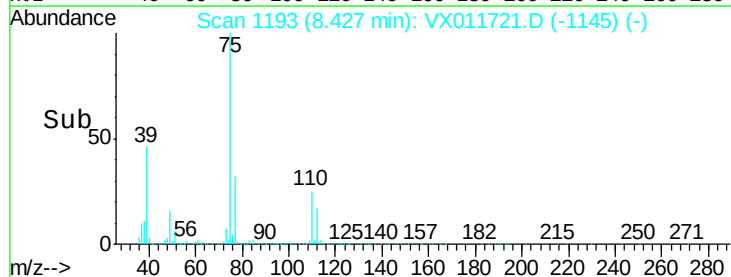
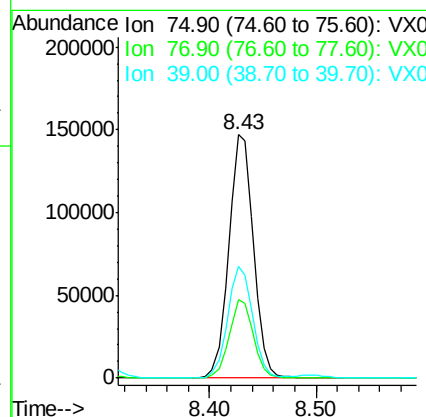
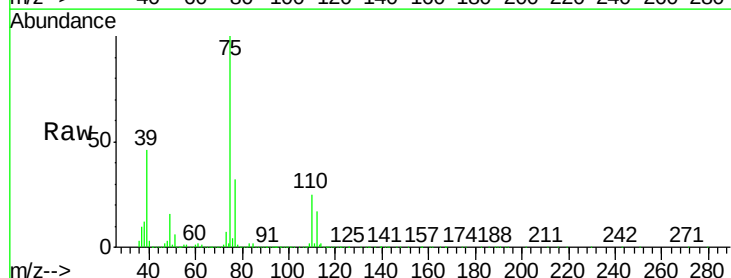
Tgt Ion: 75 Resp: 238018

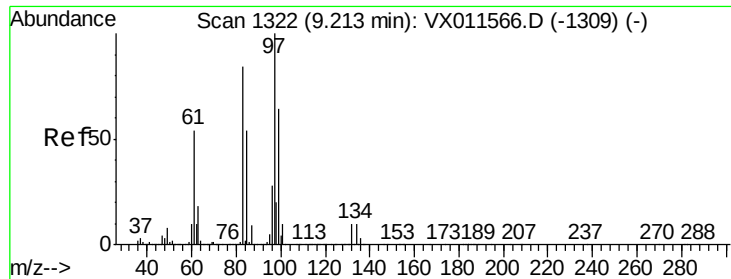
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

39 45.6 33.6 50.4





#55

1,1,2-Trichloroethane

Concen: 53.422 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

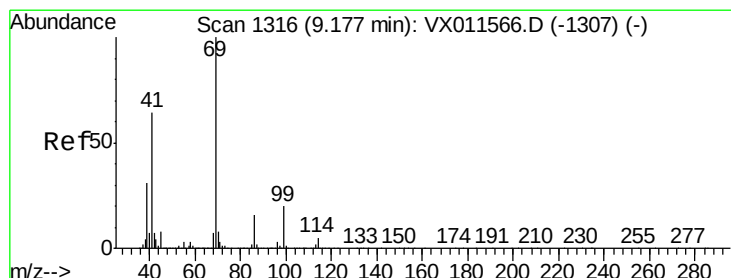
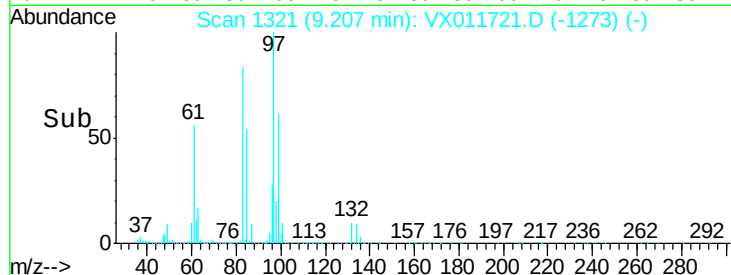
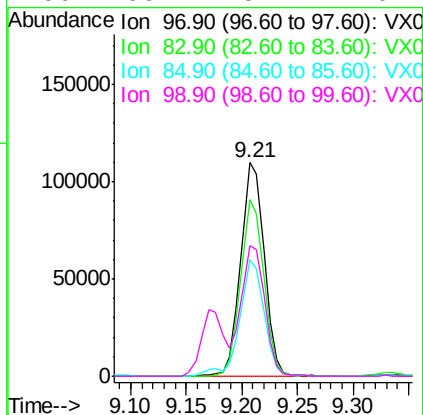
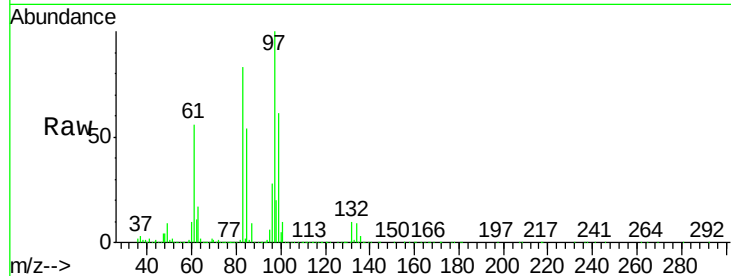
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	162248
Ion	Ratio	Lower	Upper
97	100		
83	82.9	67.4	101.0
85	54.2	43.4	65.2
99	60.7	51.1	76.7

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#56

Ethyl methacrylate

Concen: 54.976 ug/l

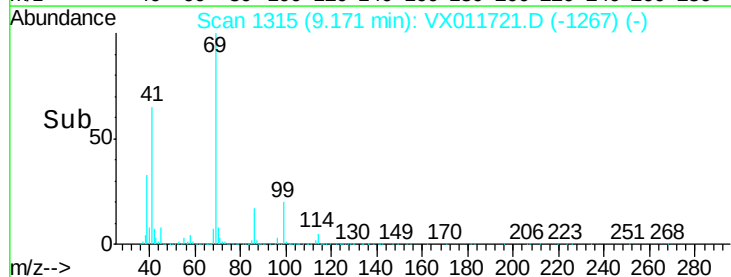
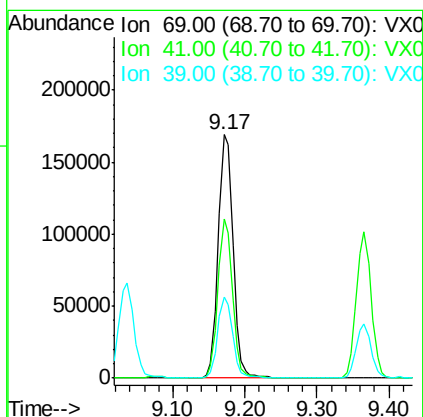
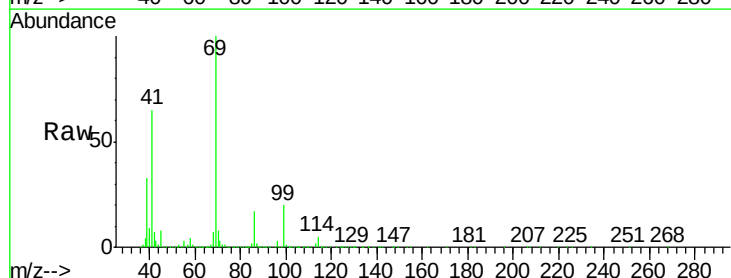
RT: 9.17 min Scan# 1315

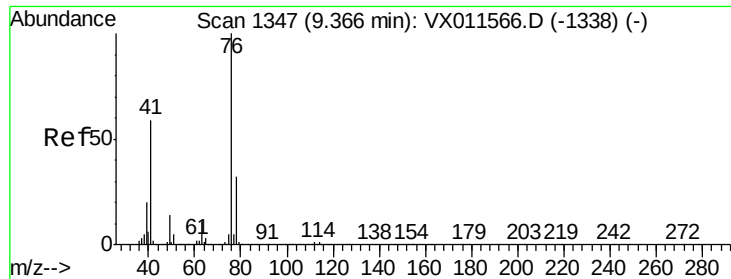
Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	69	Resp:	242678
Ion	Ratio	Lower	Upper
69	100		
41	63.4	52.1	78.1
39	32.8	25.4	38.0





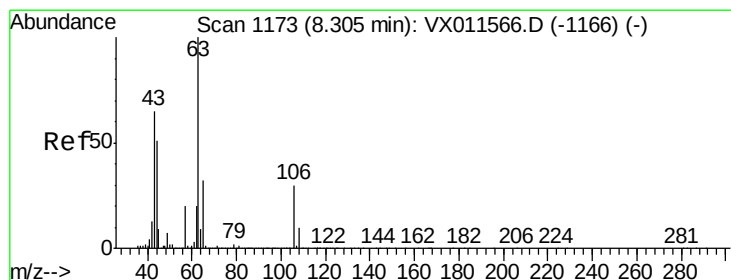
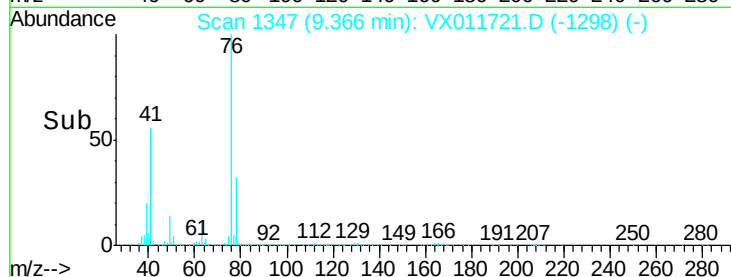
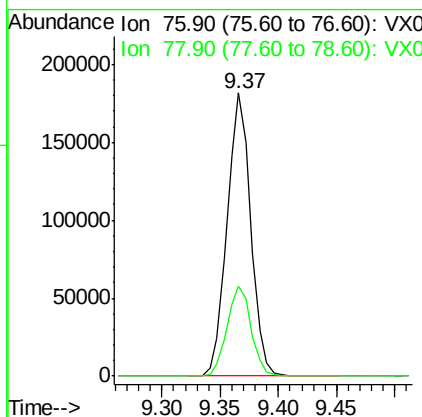
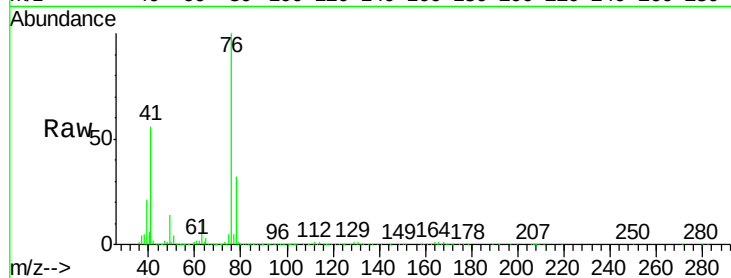
#57
 1,3-Dichloropropane
 Concen: 52.966 ug/l
 RT: 9.37 min Scan# 1347
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.2	39.4

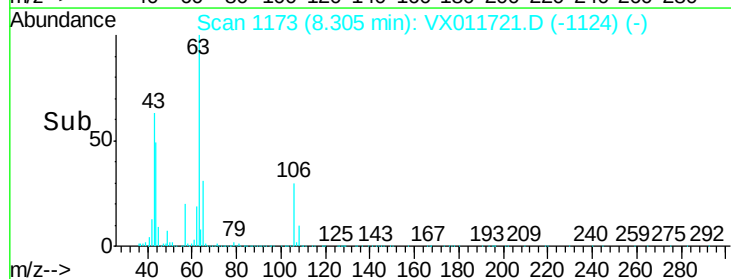
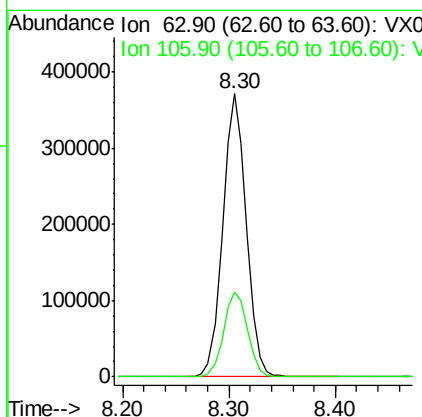
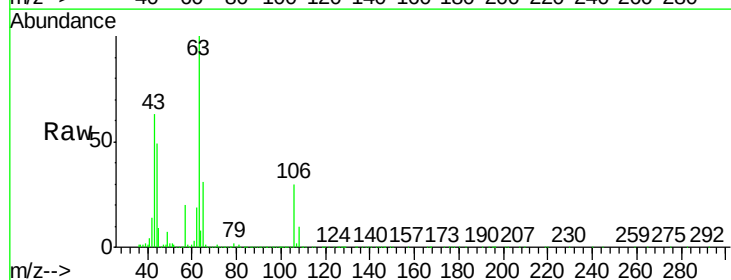
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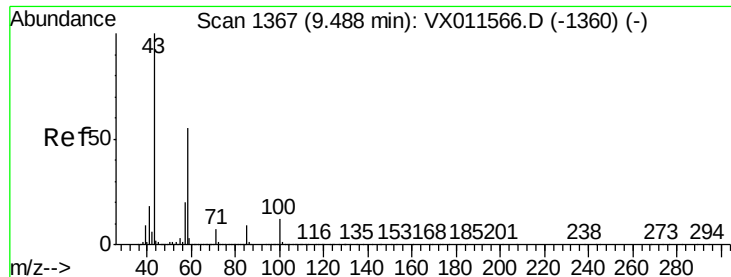
MMDadoda
 8/22/2019 10:00:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.159 ug/l
 RT: 8.30 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.7	37.1





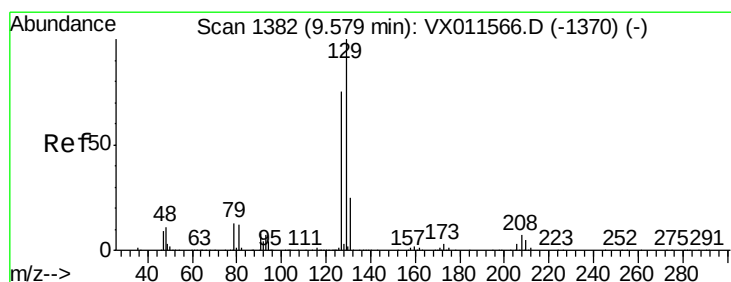
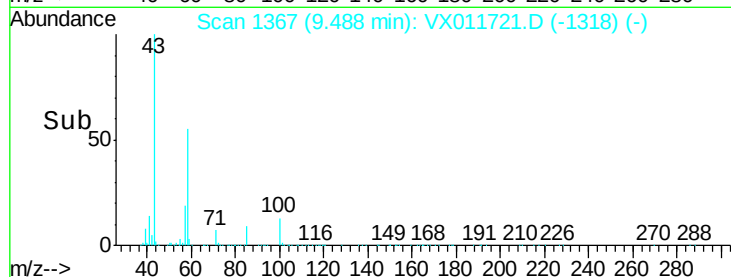
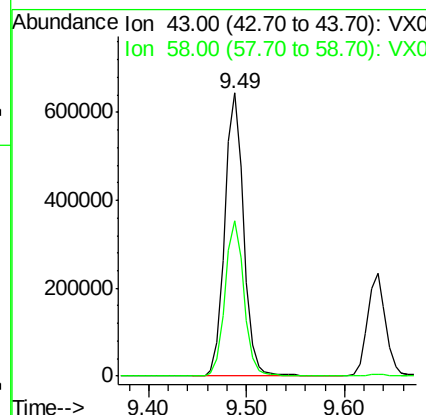
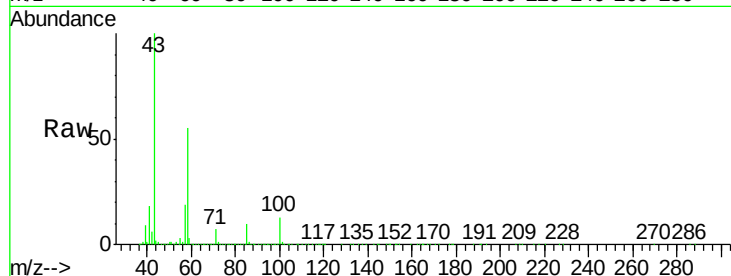
#59
2-Hexanone
Concen: 263.664 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	27.5	82.4

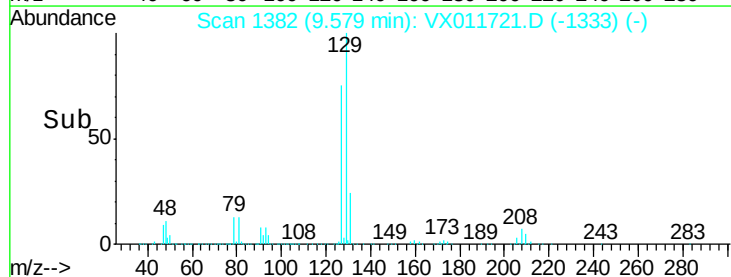
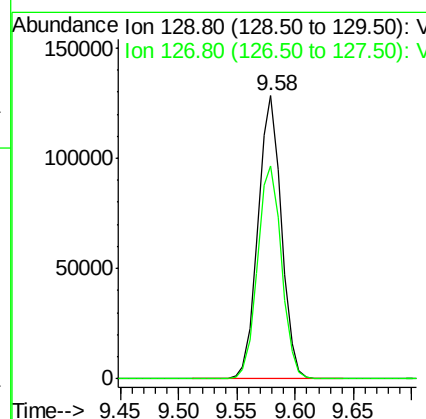
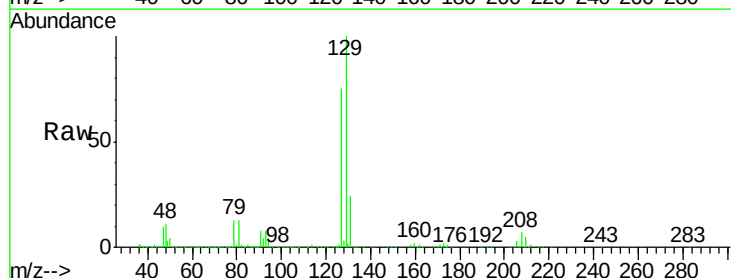
Manual Integrations
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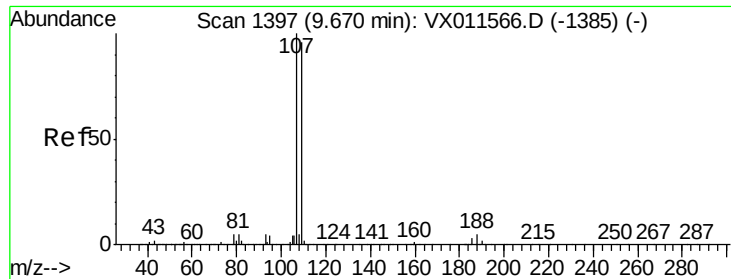
MMDadoda
8/22/2019 10:00:58 AM



#60
Dibromochloromethane
Concen: 56.981 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.0	114.1





#61

1,2-Dibromoethane

Concen: 53.294 ug/l

RT: 9.66 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 172743

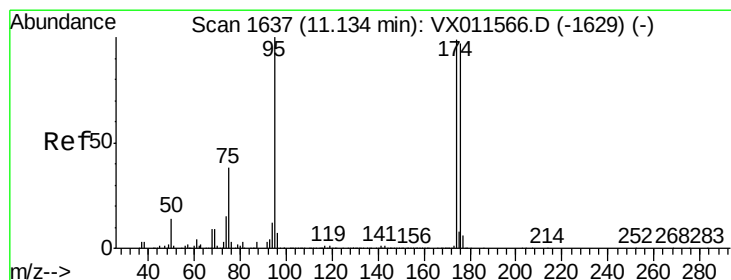
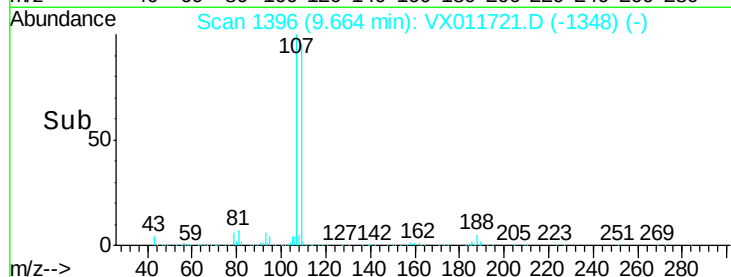
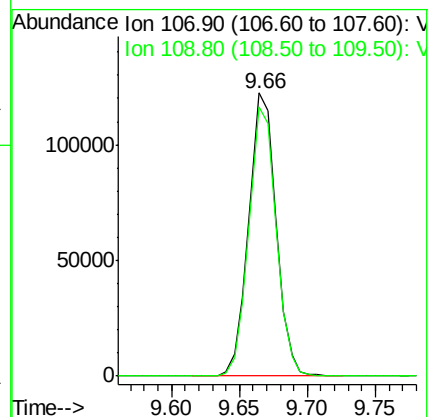
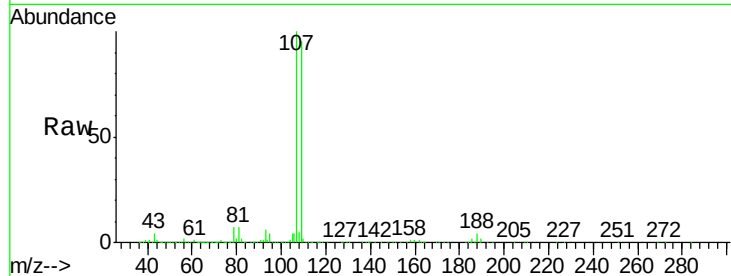
Ion Ratio Lower Upper

107 100

109 95.5 76.2 114.2

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 50.564 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

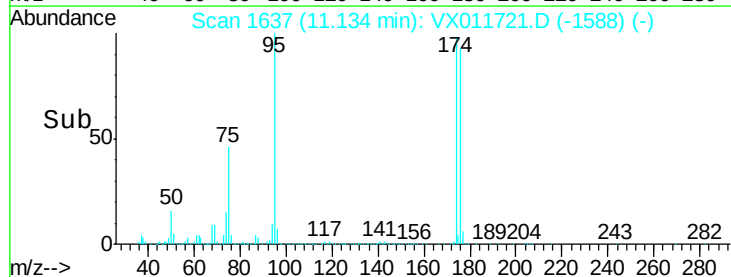
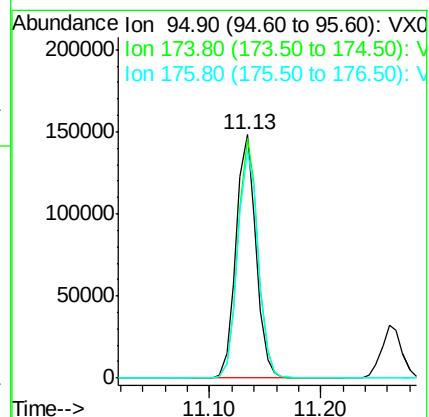
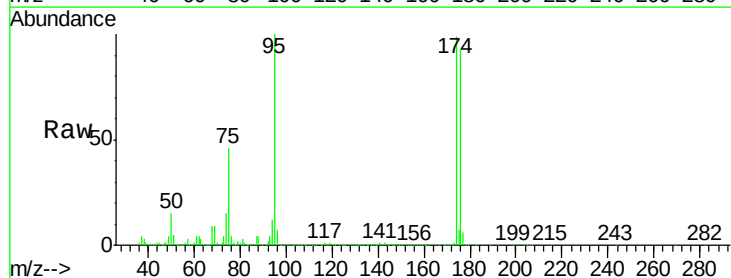
Tgt Ion: 95 Resp: 183517

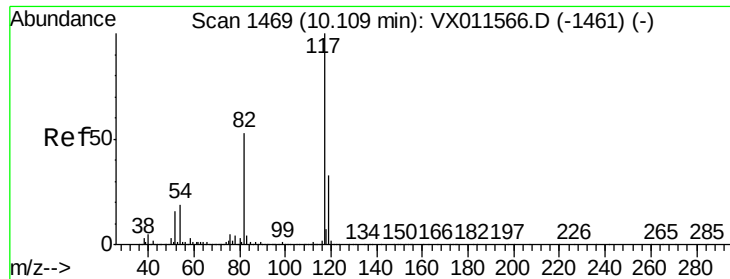
Ion Ratio Lower Upper

95 100

174 99.6 0.0 200.6

176 95.8 0.0 196.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

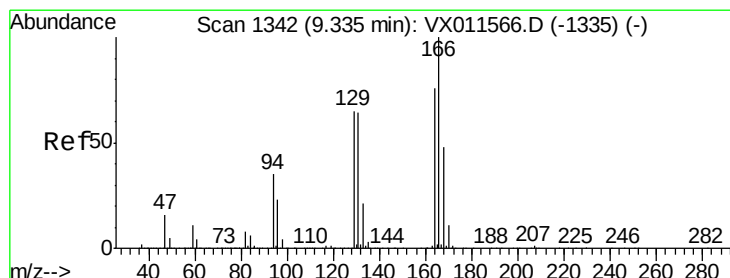
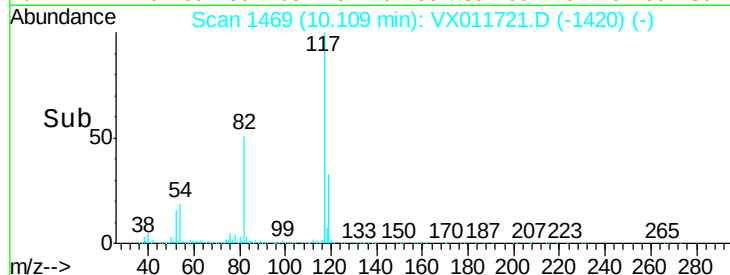
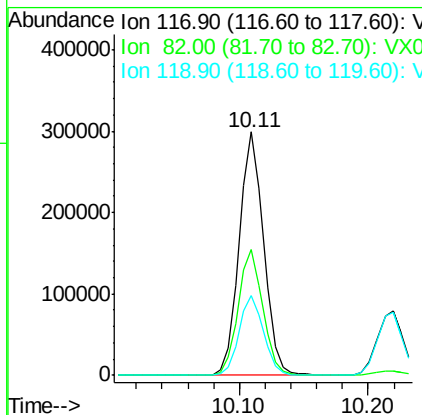
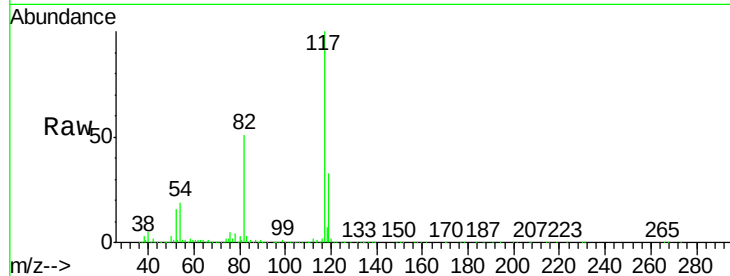
ClientSampleId :

VSTDCCC050

Tot Ion:	117	Resp:	393167
Ion Ratio		Lower	Upper
117	100		
82	51.4	42.0	63.0
119	32.7	26.5	39.7

Manual Integrations
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#64

Tetrachloroethene

Concen: 54.624 ug/l

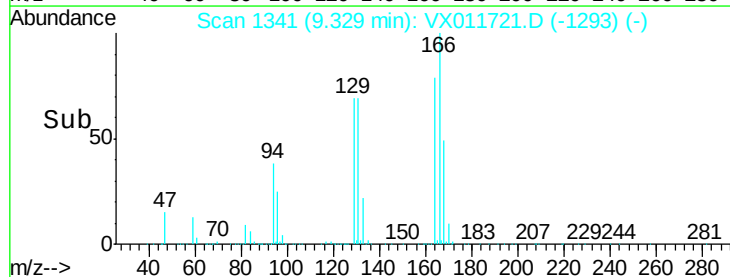
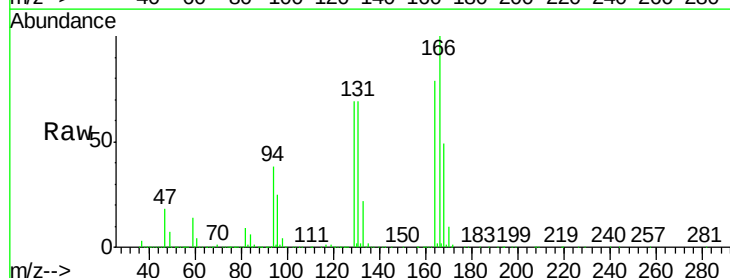
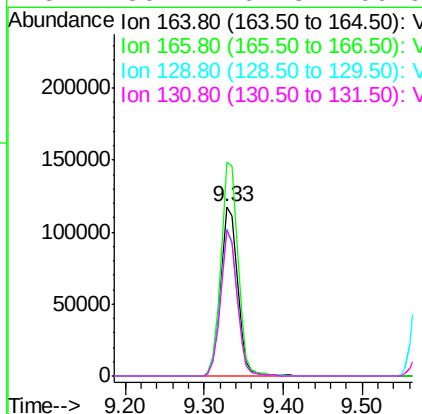
RT: 9.33 min Scan# 1341

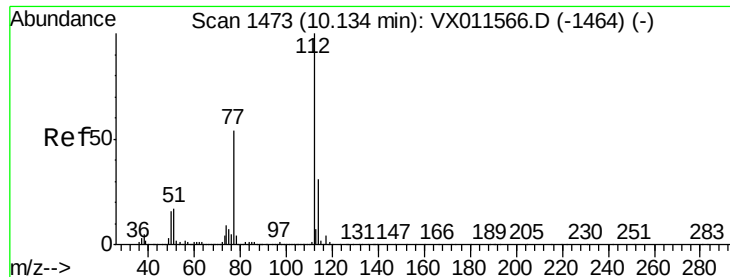
Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	164	Resp:	176210
Ion Ratio		Lower	Upper
164	100		
166	126.0	104.7	157.1
129	87.1	68.2	102.4
131	86.4	67.3	100.9





#65

Chlorobenzene

Concen: 51.553 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 432314

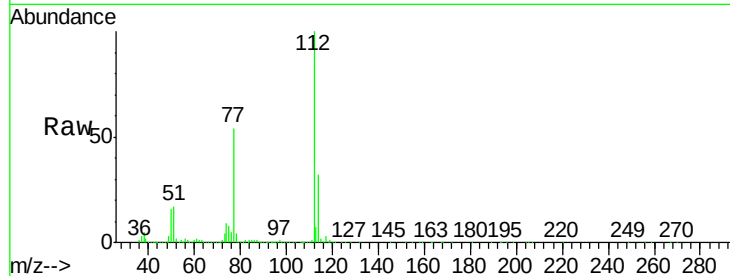
Ion Ratio Lower Upper

112 100

114 32.5 25.0 37.6

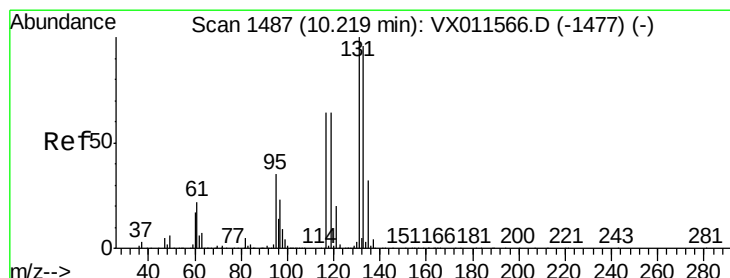
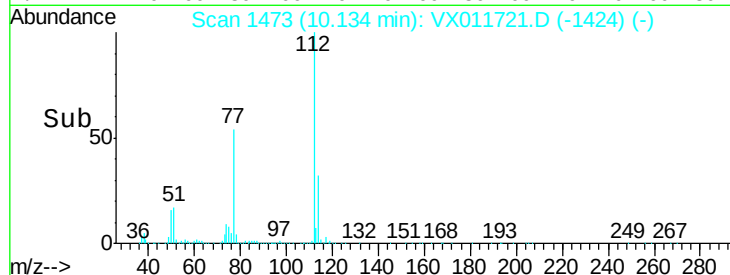
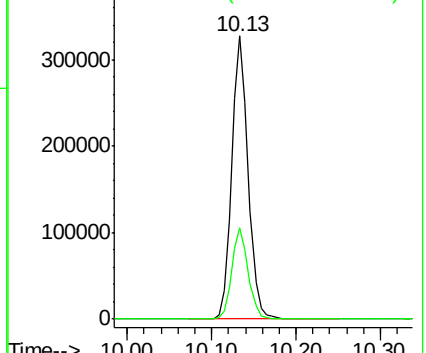
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 54.072 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

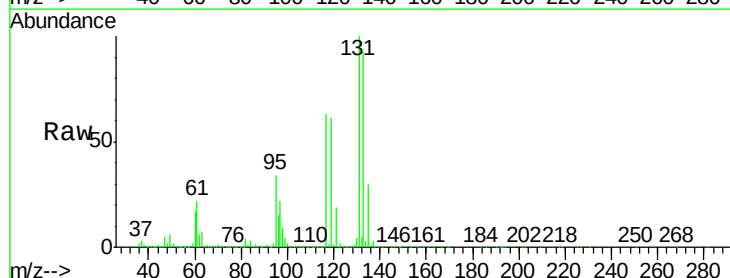
Tgt Ion:131 Resp: 169481

Ion Ratio Lower Upper

131 100

133 95.1 48.1 144.4

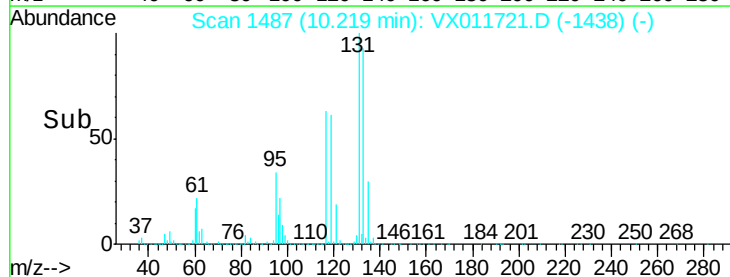
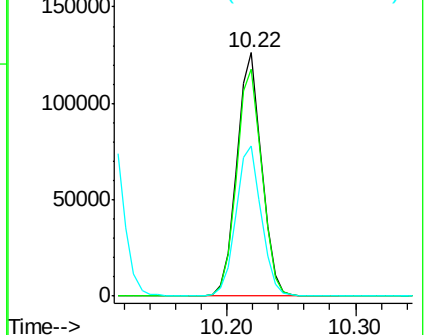
119 62.7 31.3 93.8

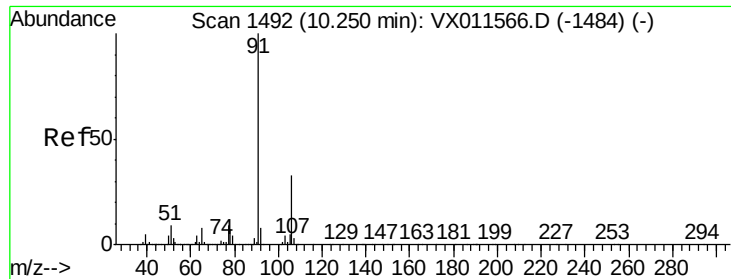


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.278 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 745644

Ion Ratio Lower Upper

91 100

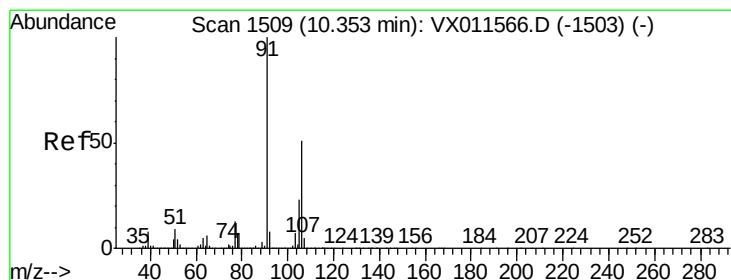
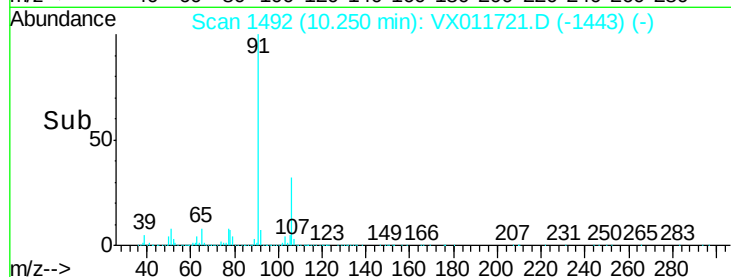
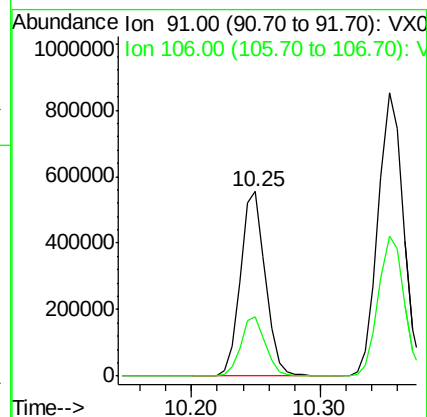
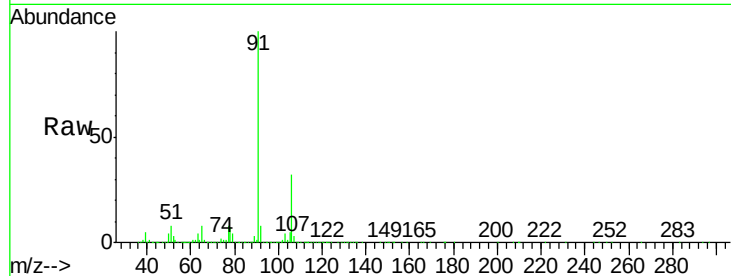
106 32.4 26.0 39.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 107.785 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011721.D

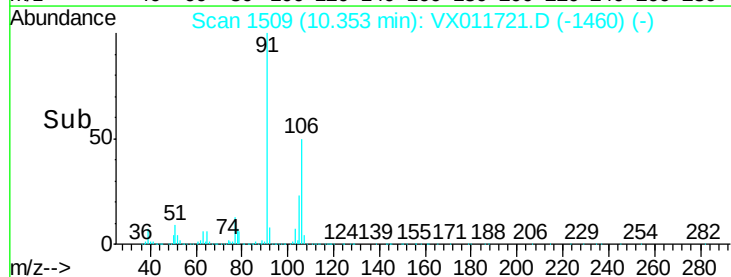
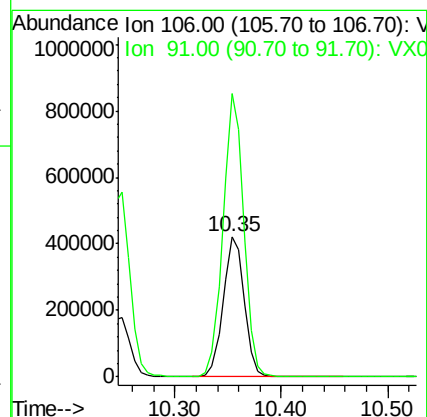
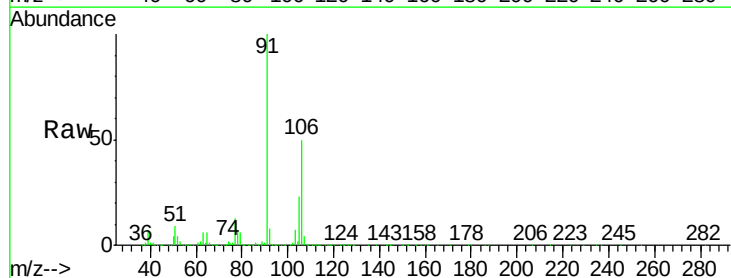
Acq: 21 Aug 2019 08:56

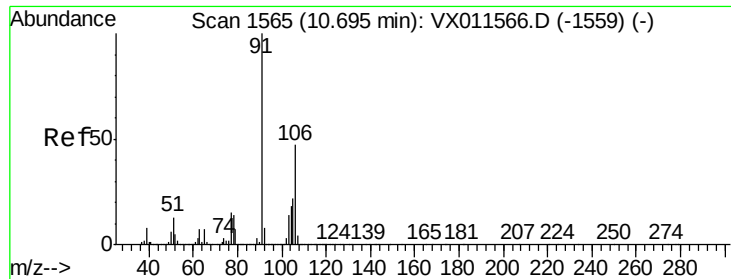
Tgt Ion: 106 Resp: 579036

Ion Ratio Lower Upper

106 100

91 199.1 156.0 234.0





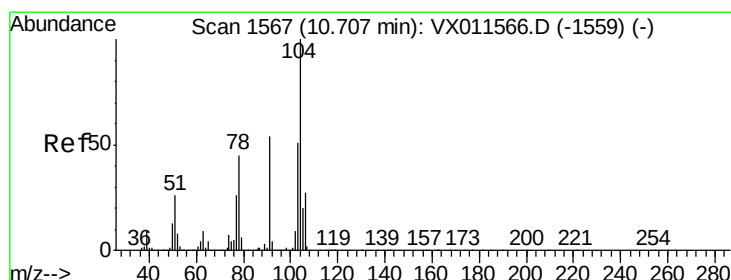
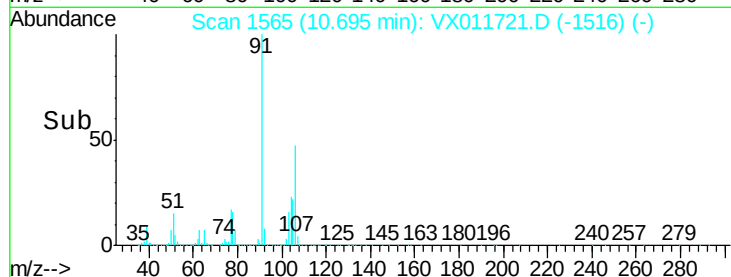
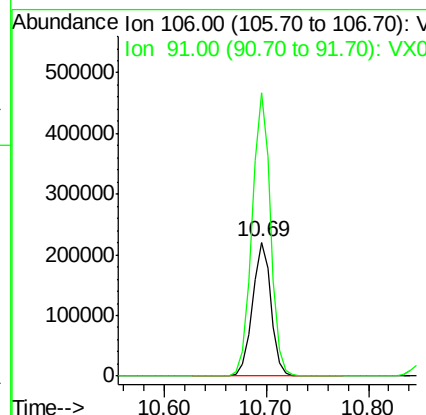
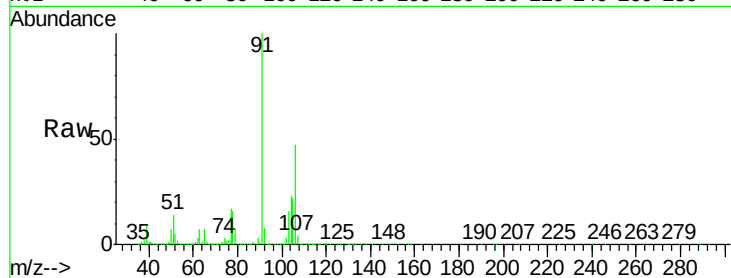
#69
o-Xylene
Concen: 52.961 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		278688		
91	210.2	105.5	316.4		

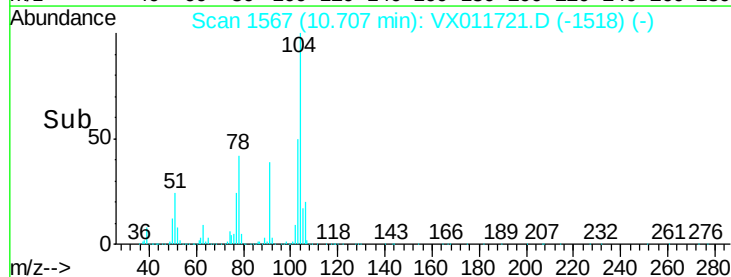
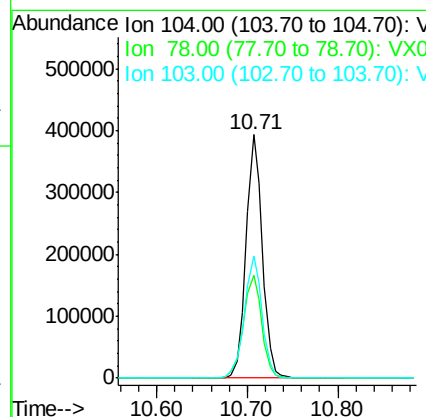
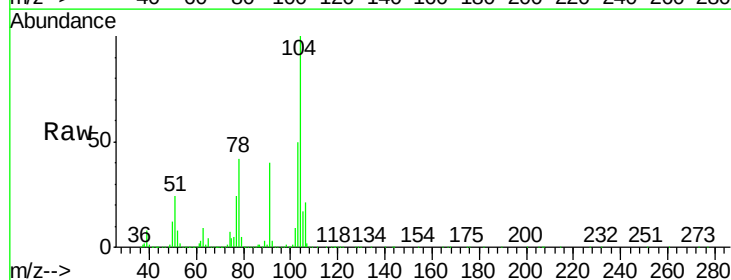
Manual Integrations
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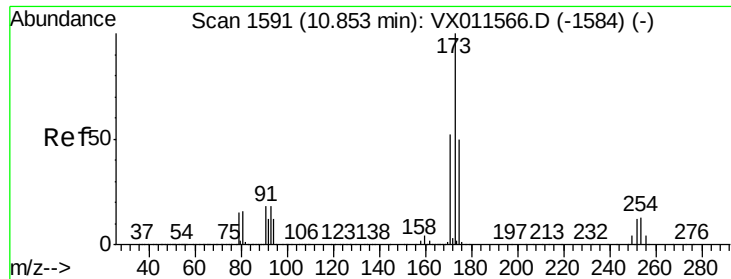
MMDadoda
8/22/2019 10:00:58 AM



#70
Styrene
Concen: 55.266 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		489574		
78	47.5	38.2	57.4		
103	54.2	43.6	65.4		





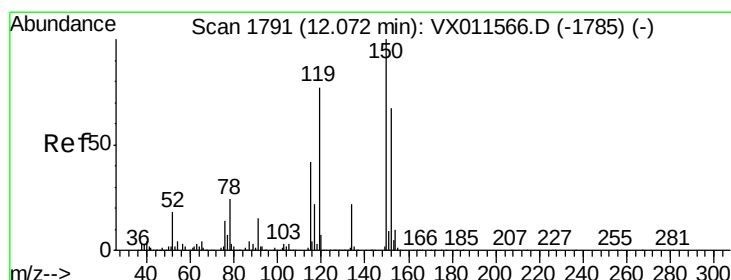
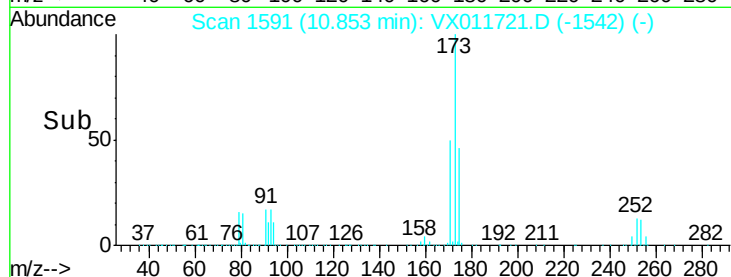
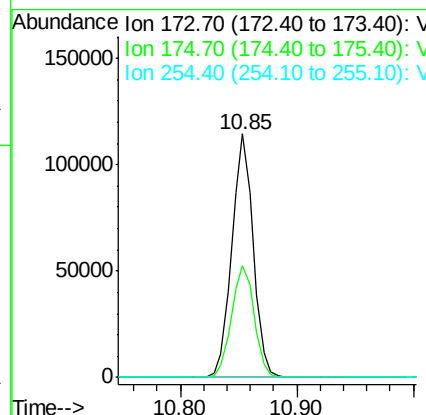
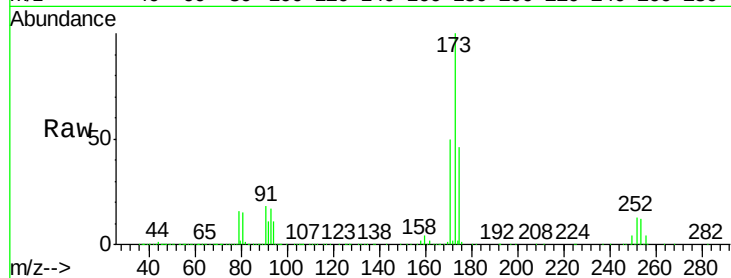
#71
Bromoform
Concen: 47.974 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.9	74.7
254	0.3	0.1	0.1#

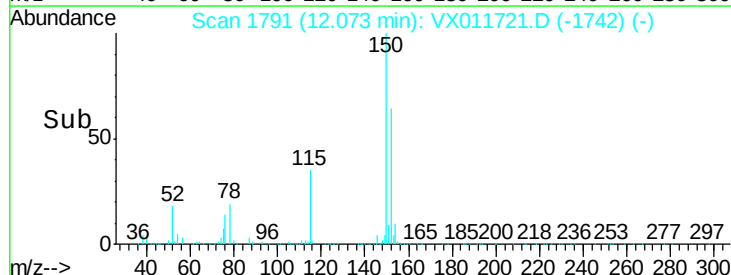
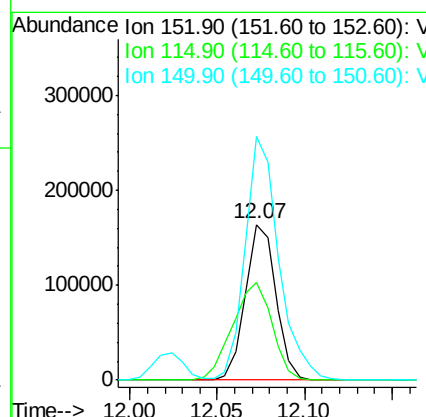
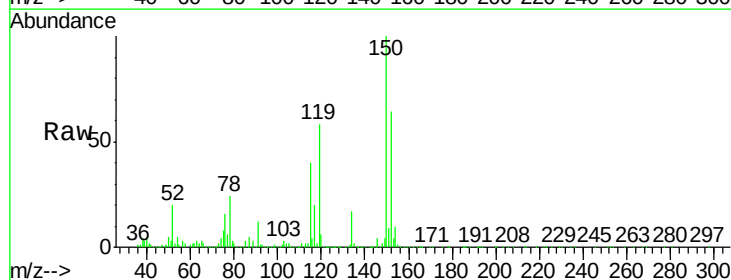
Manual Integrations
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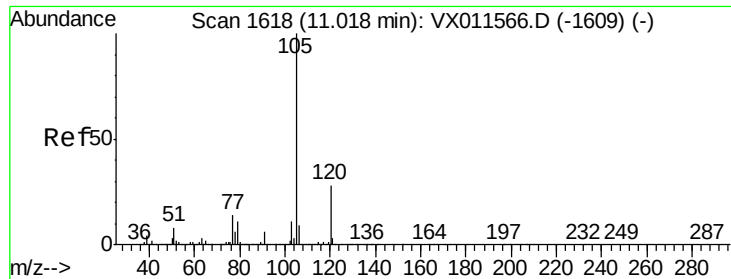
MMDadoda
8/22/2019 10:00:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	80.6	37.3	111.9
150	172.5	0.0	346.2





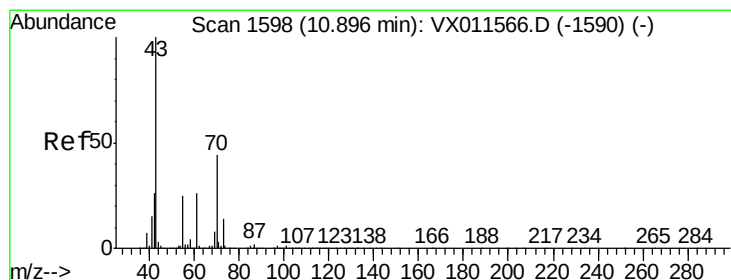
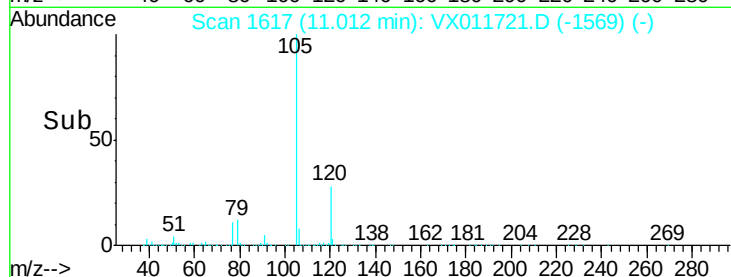
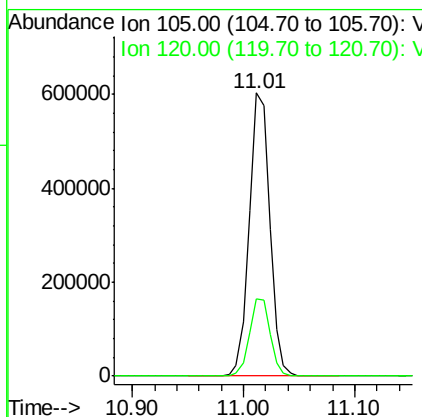
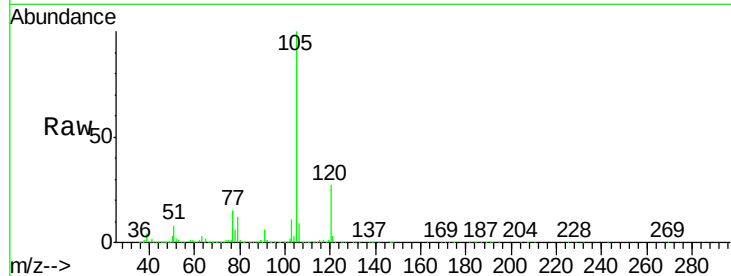
#73
Isopropylbenzene
Concen: 59.994 ug/l
RT: 11.01 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	14.0	41.9

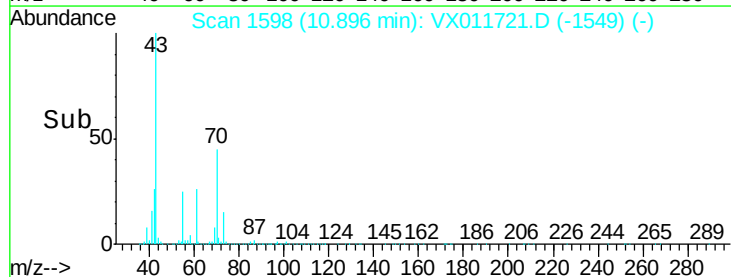
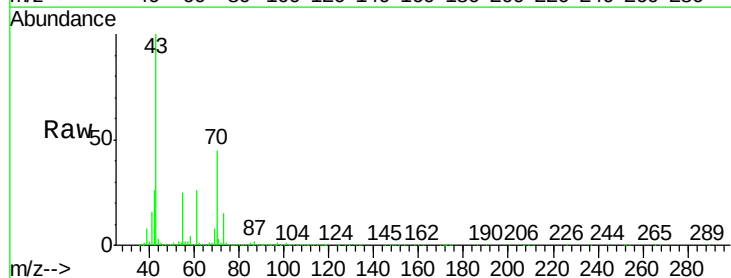
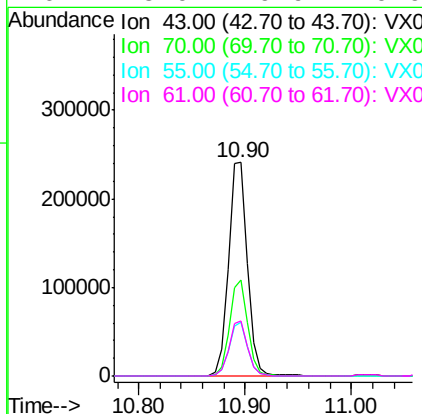
Manual Integrations
APPROVED

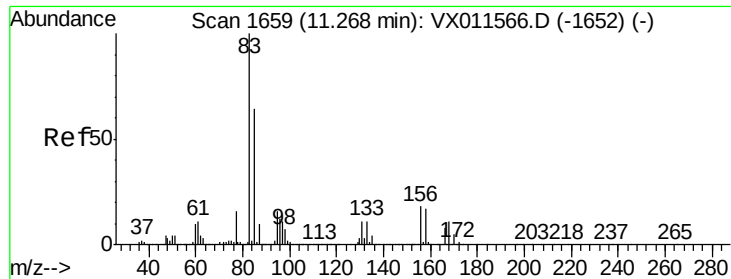
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8/22/2019 10:00:58 AM



#74
N-ethyl acetate
Concen: 54.584 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.1	34.7	52.1
55	24.7	19.6	29.4
61	25.0	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 55.036 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

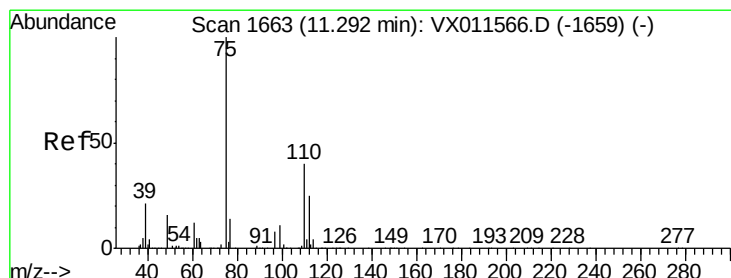
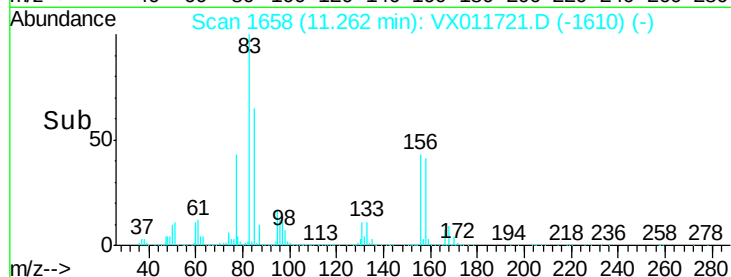
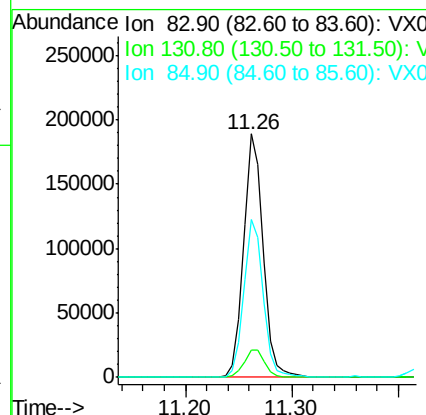
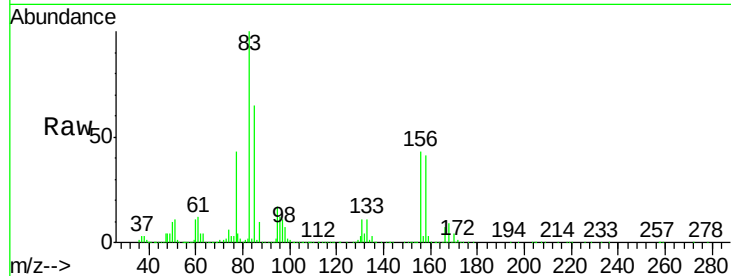
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	244642
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.8	17.3
85	64.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 58.049 ug/l m

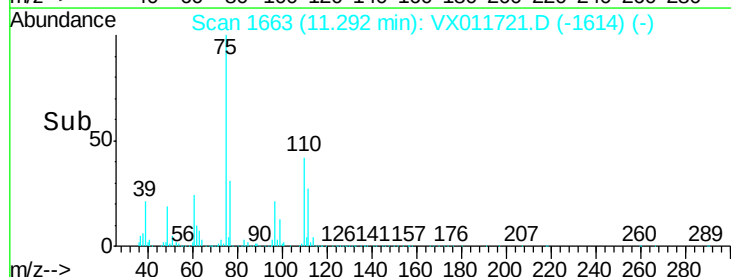
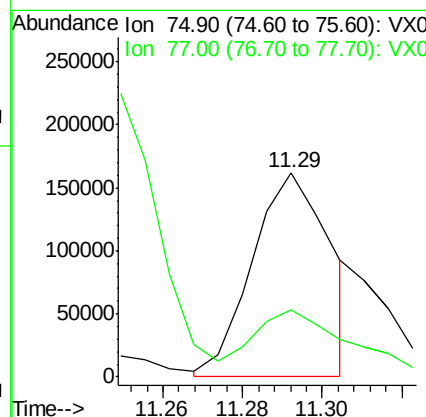
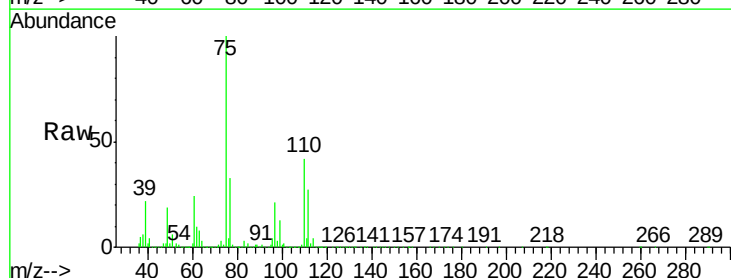
RT: 11.29 min Scan# 1663

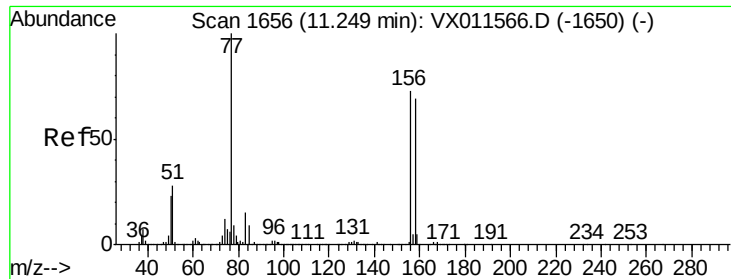
Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	75	Resp:	219199
Ion Ratio	Lower	Upper	
75	100		
77	40.7	20.9	62.8





#77

Bromobenzene

Concen: 56.982 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

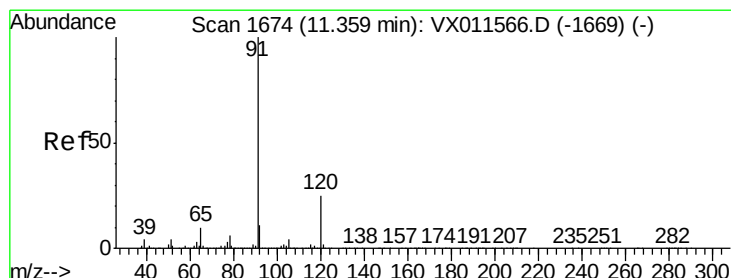
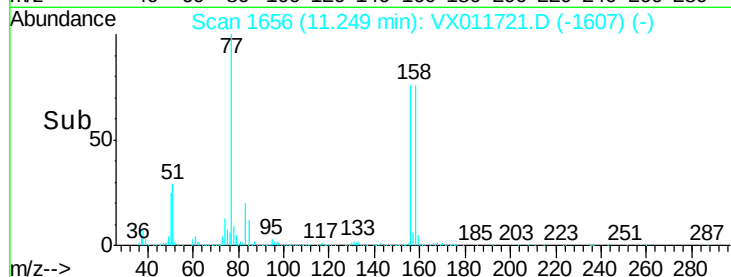
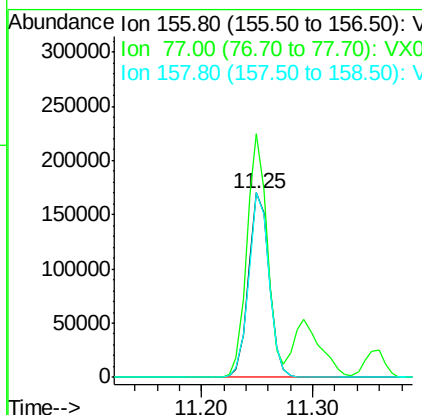
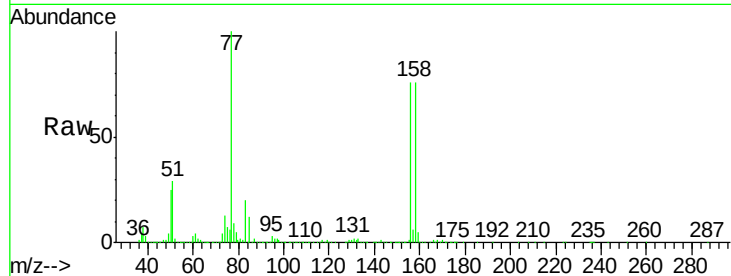
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	219062
Ion Ratio	Lower	Upper	
156	100		
77	129.8	64.6	193.9
158	98.5	48.4	145.3

Manual Integrations
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8/22/2019 10:00:58 AM



#78

n-propylbenzene

Concen: 61.160 ug/l

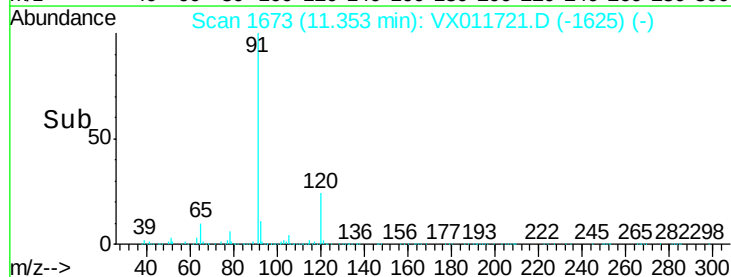
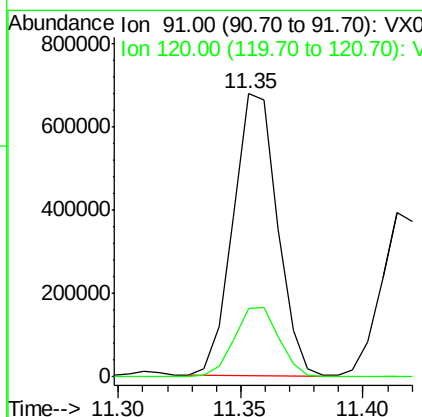
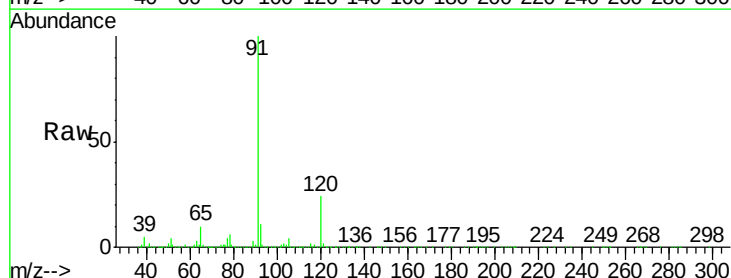
RT: 11.35 min Scan# 1673

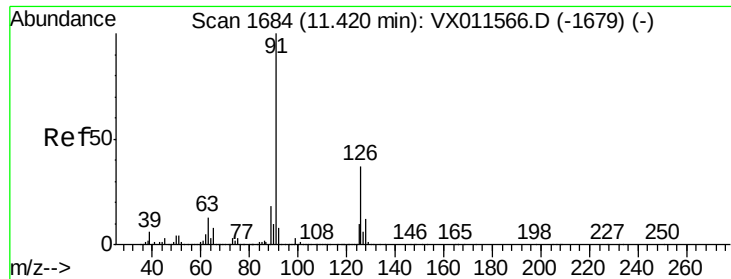
Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	91	Resp:	852164
Ion Ratio	Lower	Upper	
91	100		
120	25.0	12.6	37.6





#79

2-Chlorotoluene

Concen: 59.188 ug/l

RT: 11.41 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 506406

Ion Ratio Lower Upper

91 100

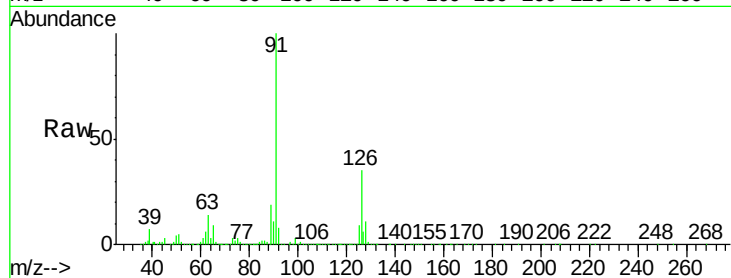
126 36.6 18.4 55.0

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX011566.D (-1679) (-)

Ion 125.90 (125.60 to 126.60): VX011566.D (-1679) (-)

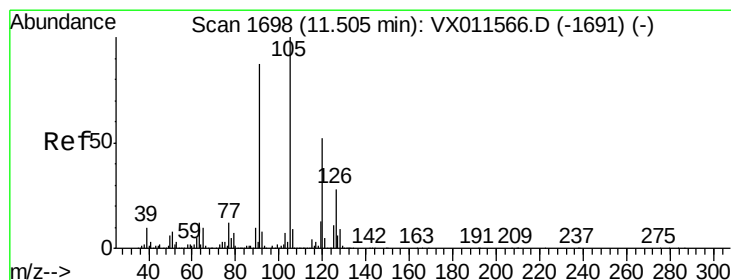
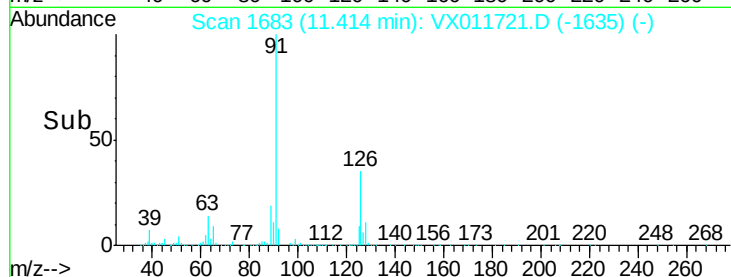
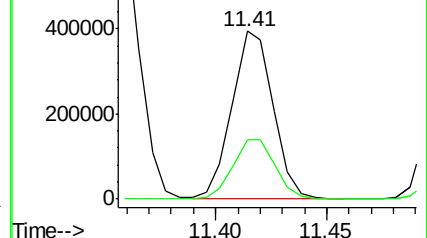
600000

400000

200000

0

11.40 11.41 11.42 11.43 11.44 11.45



#80

1,3,5-Trimethylbenzene

Concen: 60.303 ug/l

RT: 11.50 min Scan# 1697

Delta R.T. -0.01 min

Lab File: VX011721.D

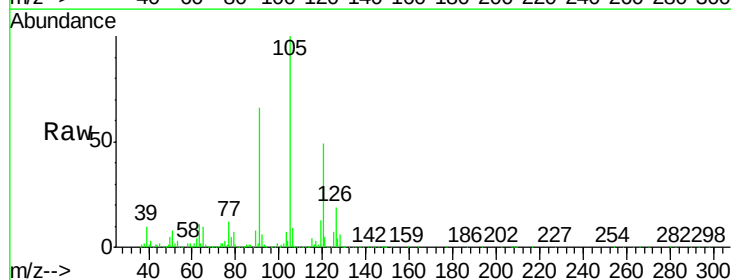
Acq: 21 Aug 2019 08:56

Tgt Ion: 105 Resp: 654571

Ion Ratio Lower Upper

105 100

120 50.1 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VX011566.D (-1691) (-)

Ion 120.00 (119.70 to 120.70): VX011566.D (-1691) (-)

600000

500000

400000

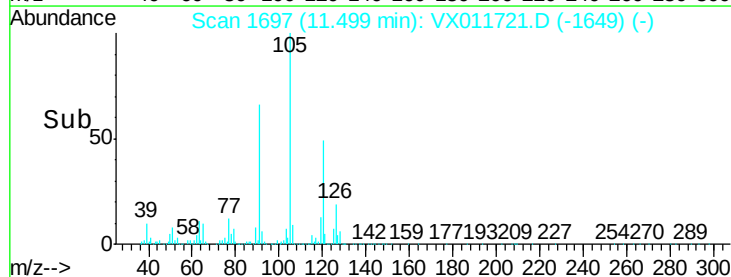
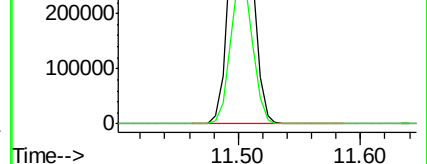
300000

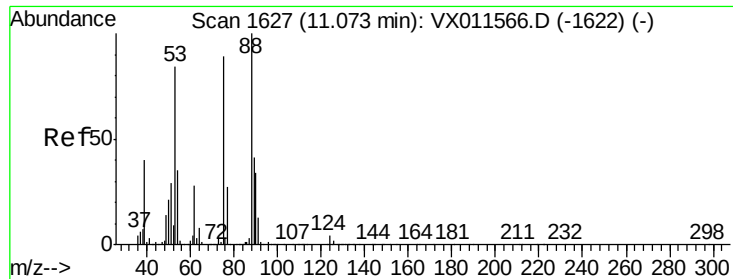
200000

100000

0

11.50 11.51 11.52 11.53 11.54 11.55 11.56 11.57 11.58 11.59 11.60





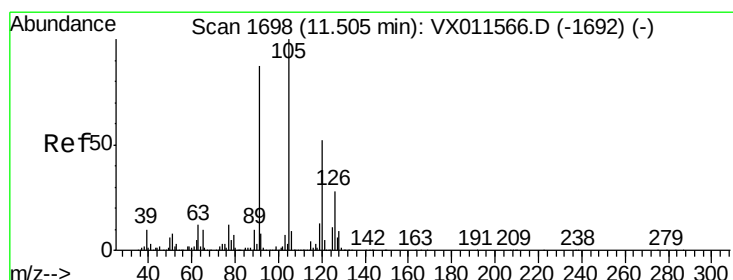
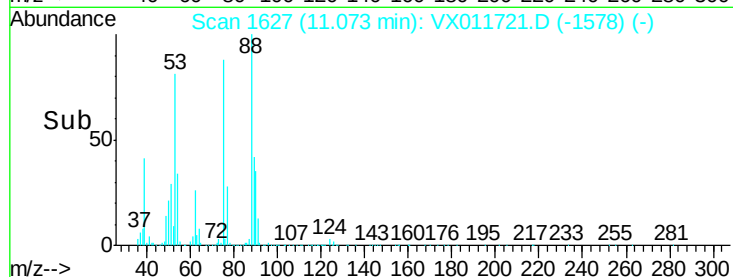
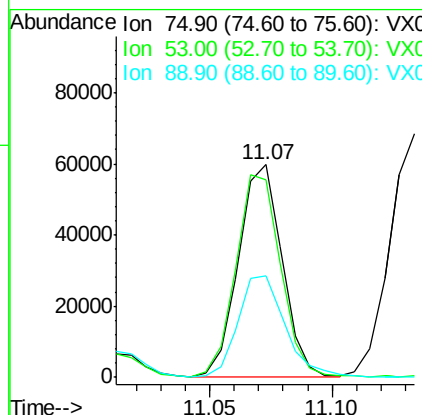
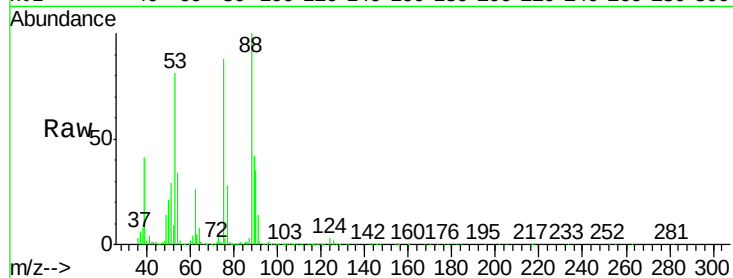
#81
trans-1,4-Dichloro-2-butene
Concen: 52.707 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	77.4	116.0
89	52.4	37.3	55.9

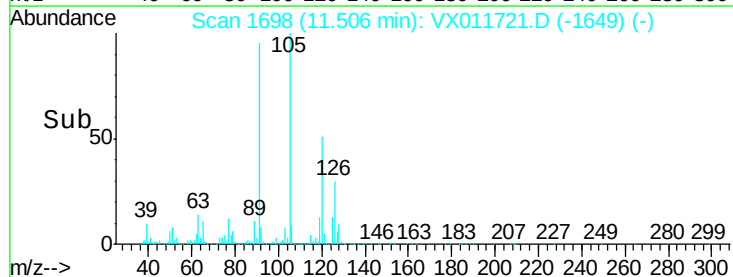
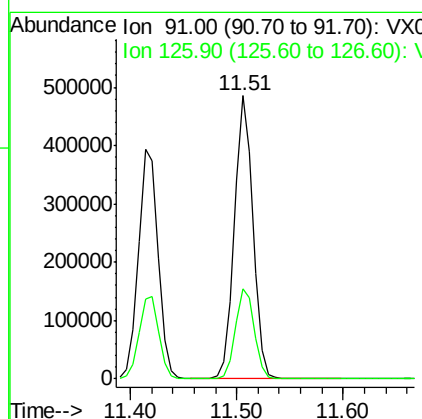
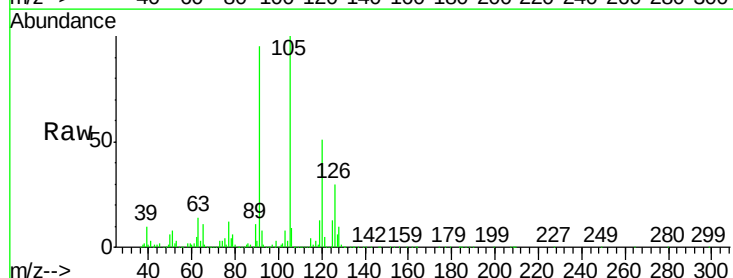
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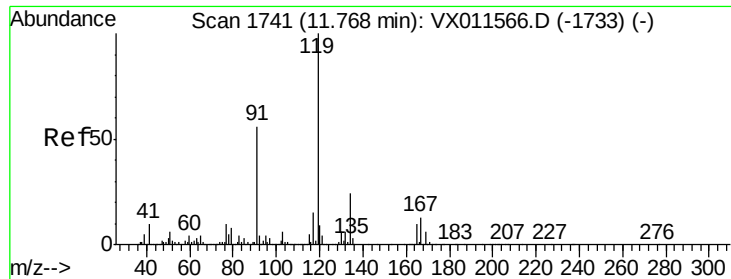
MMDadoda
8/22/2019 10:00:58 AM



#82
4-Chlorotoluene
Concen: 59.860 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.1





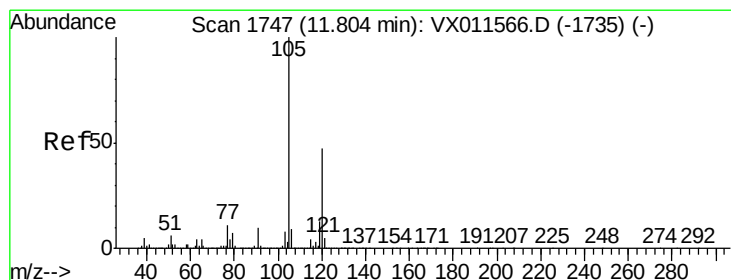
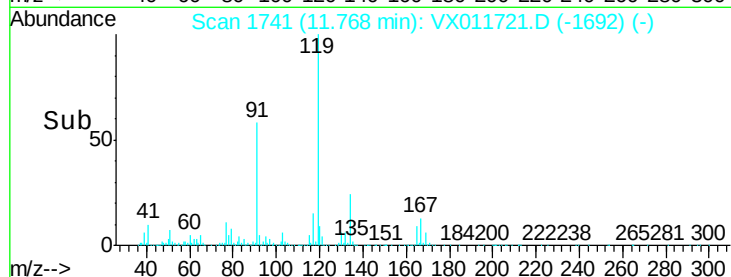
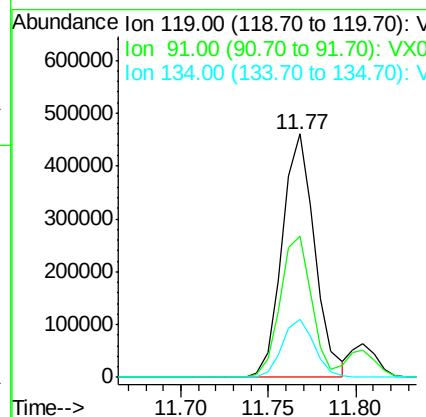
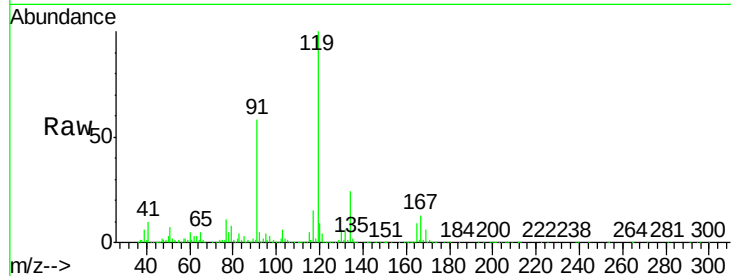
#83
 tert-Butylbenzene
 Concen: 54.106 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	598149		
91	56.1		27.1	81.3
134	23.4		11.8	35.3

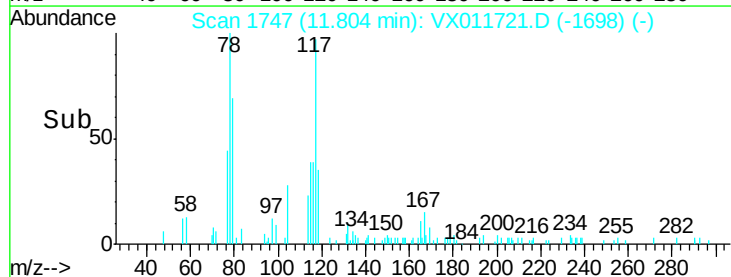
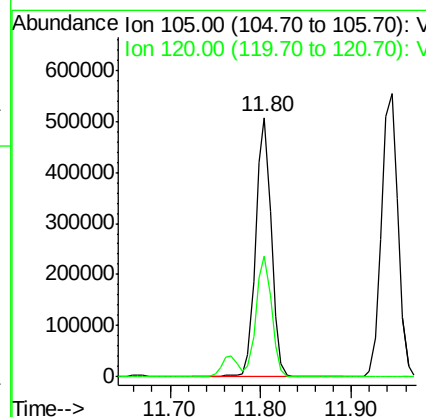
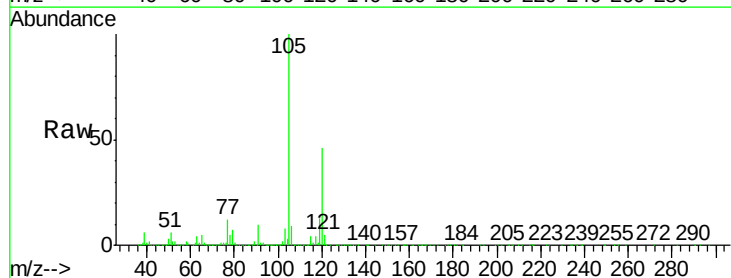
Manual Integrations
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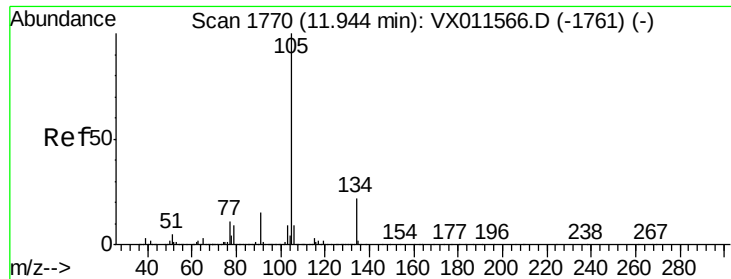
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.226 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	601814		
120	46.3		23.3	69.9





#85

sec-Butylbenzene

Concen: 56.049 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 699092

Ion Ratio Lower Upper

105 100

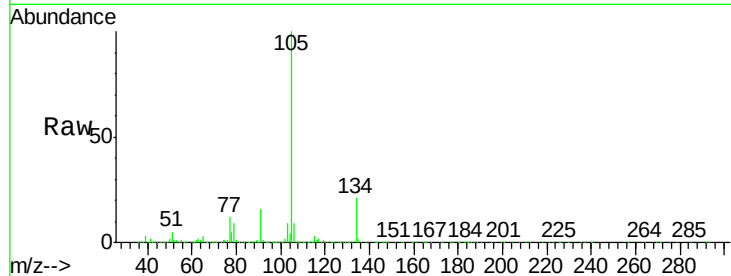
134 21.1 10.8 32.4

Manual Integrations

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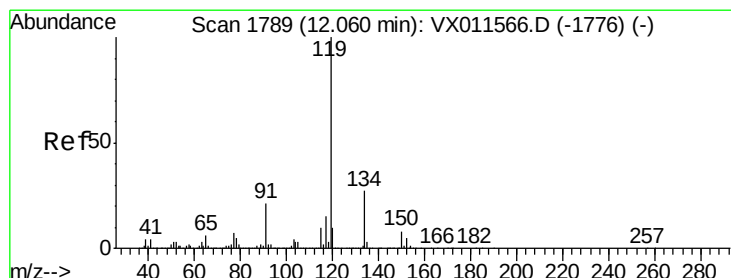
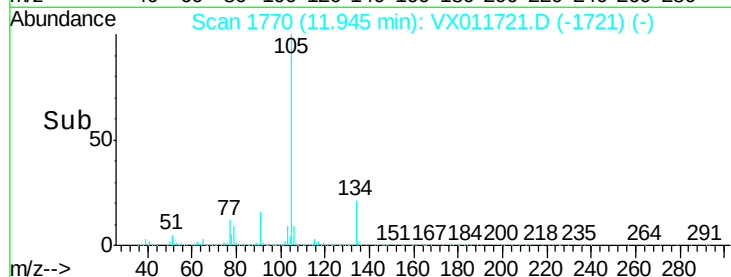
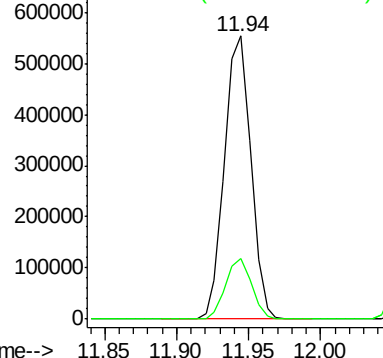
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 56.468 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

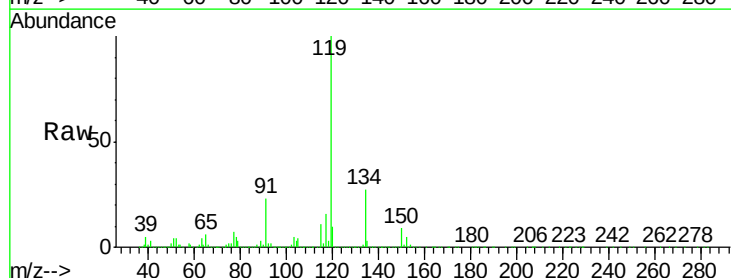
Tgt Ion:119 Resp: 662606

Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

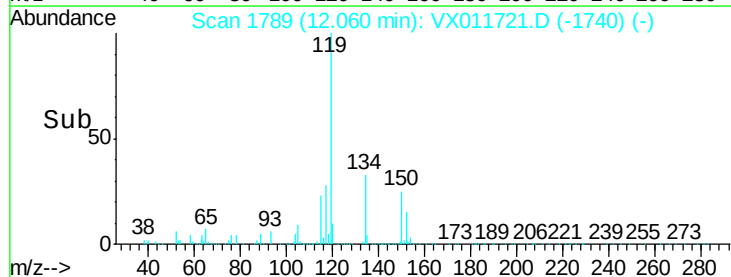
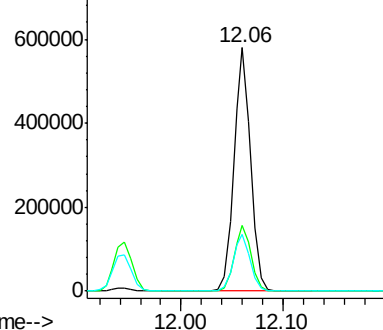
91 23.6 10.9 32.9

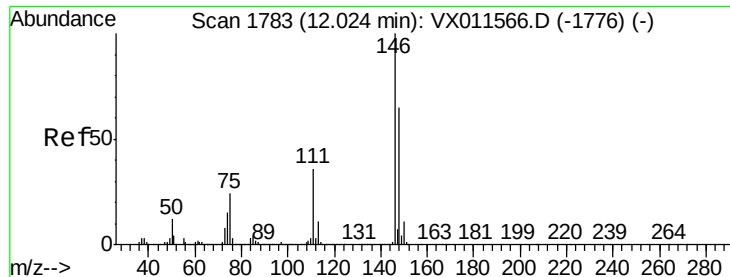


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





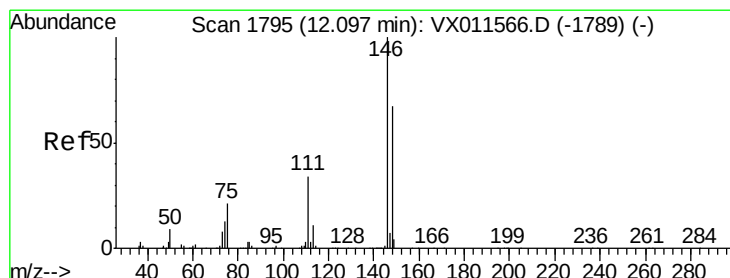
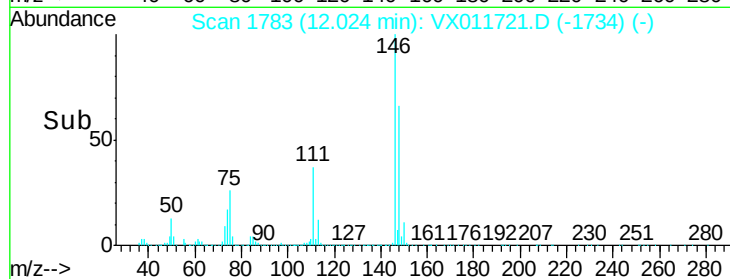
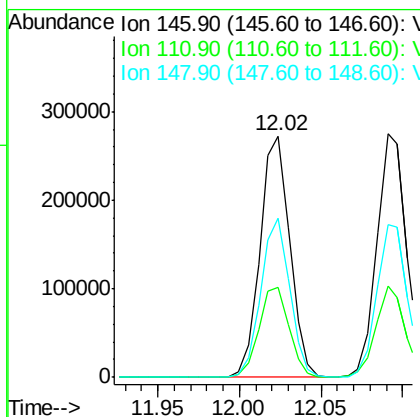
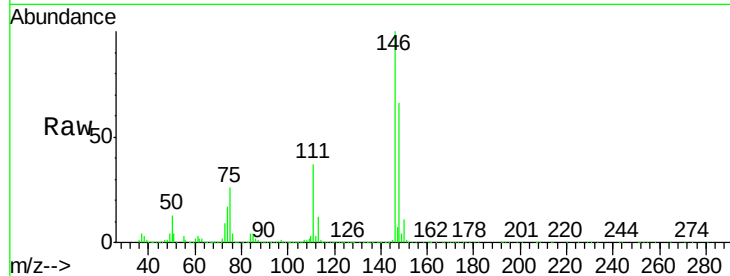
#87
 1,3-Dichlorobenzene
 Concen: 52.210 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.1	54.4
148	64.3	32.0	96.0

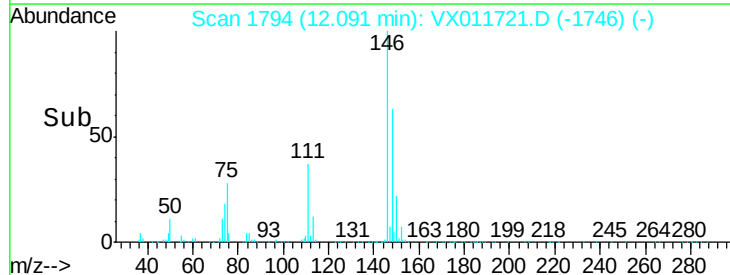
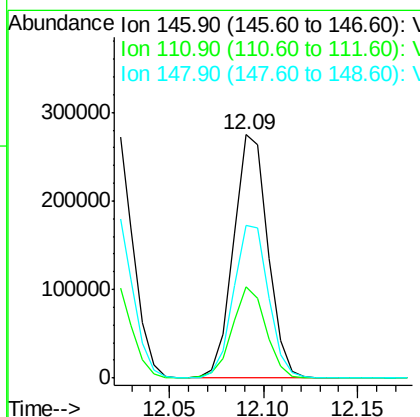
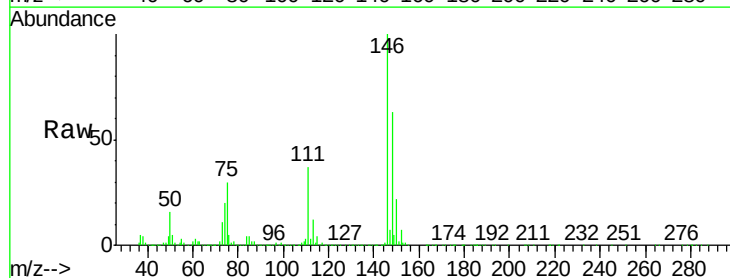
Manual Integrations
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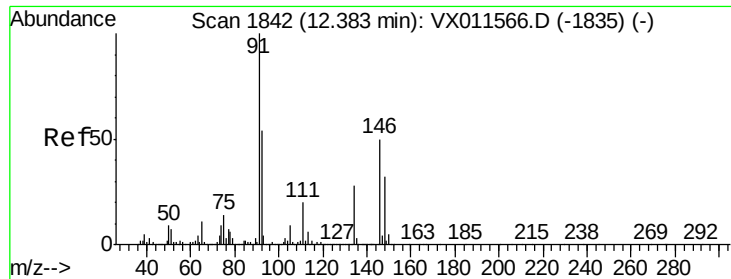
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#88
 1,4-Dichlorobenzene
 Concen: 51.686 ug/l
 RT: 12.09 min Scan# 1794
 Delta R.T. -0.01 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	17.9	53.7
148	64.3	32.5	97.5





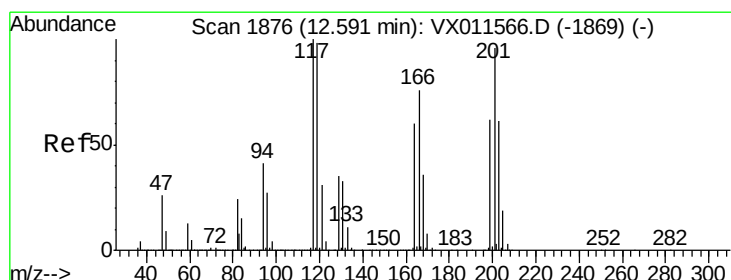
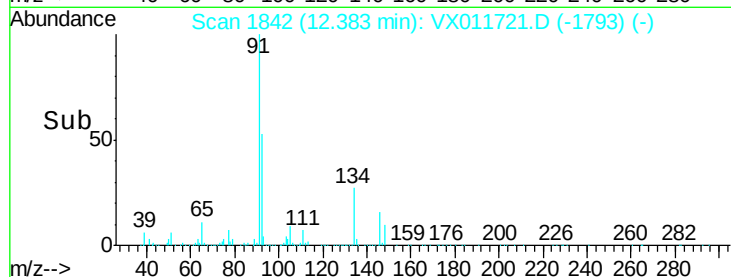
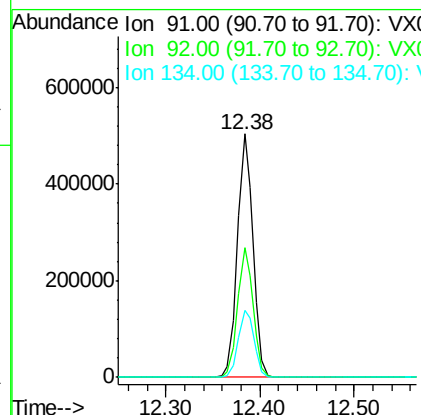
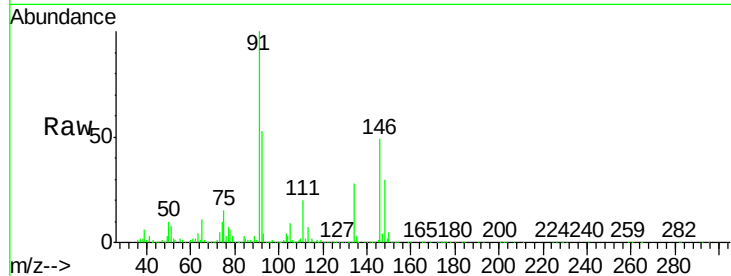
#89
n-Butylbenzene
Concen: 59.564 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.3
134	28.1	14.6	44.0

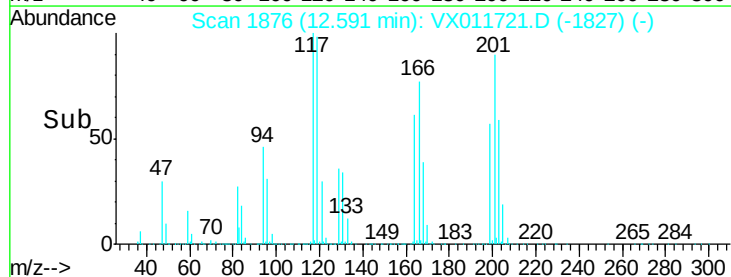
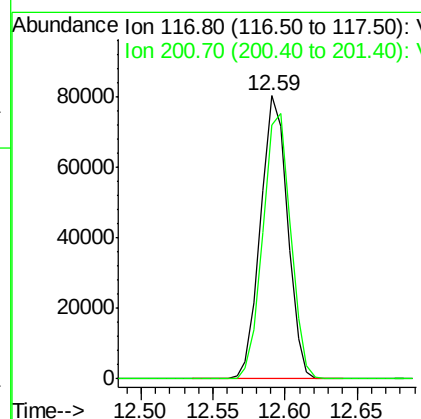
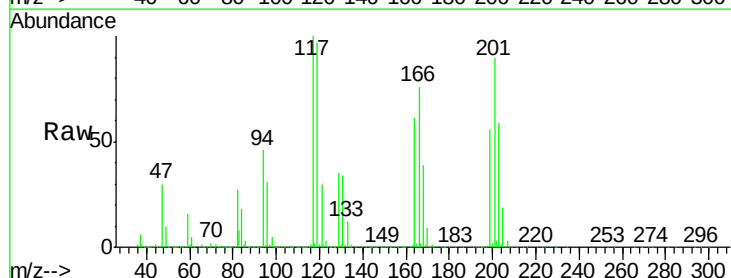
Manual Integrations
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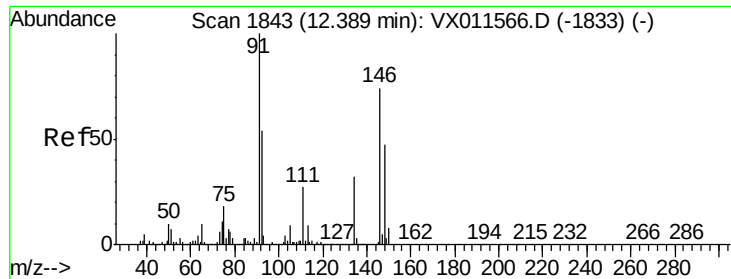
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#90
Hexachloroethane
Concen: 55.866 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. 0.00 min
Lab File: VX011721.D
Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.5	51.9	155.7





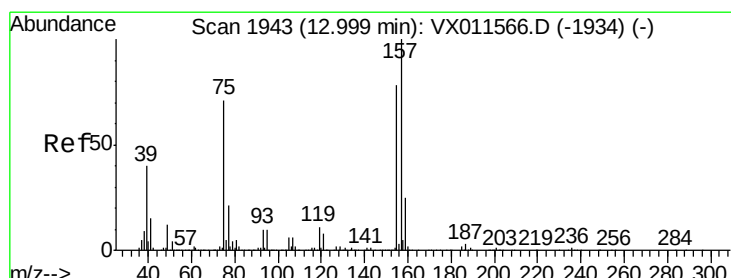
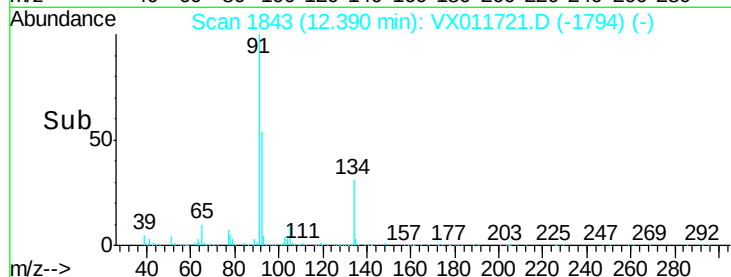
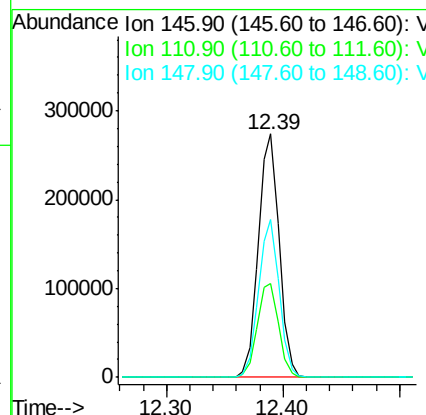
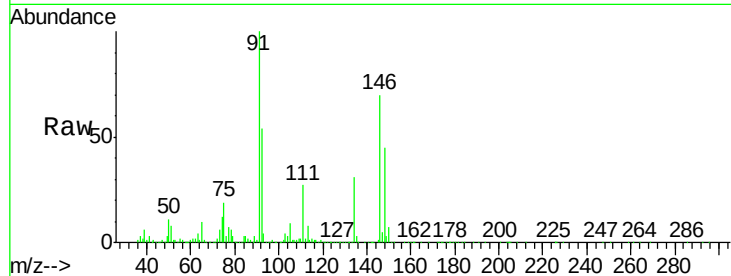
#91
 1,2-Dichlorobenzene
 Concen: 51.614 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.9	56.7
148	64.4	31.9	95.9

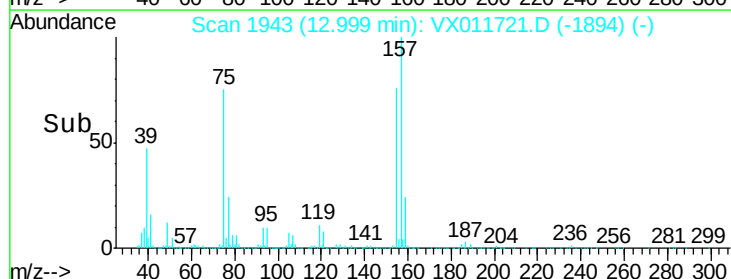
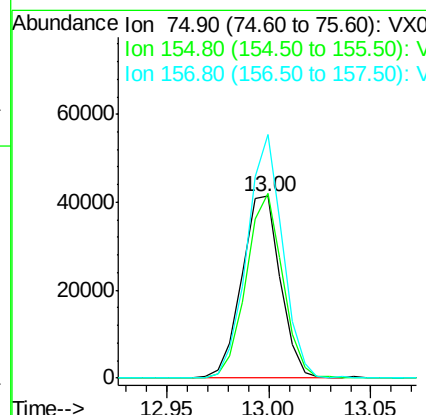
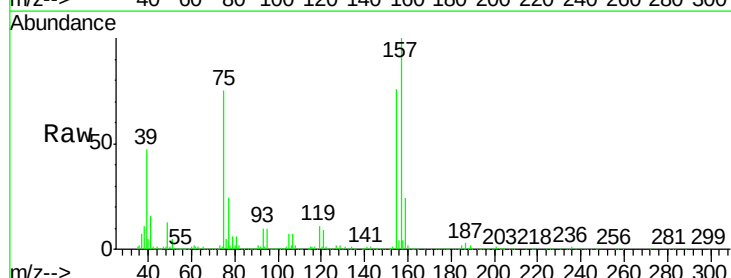
Manual Integrations
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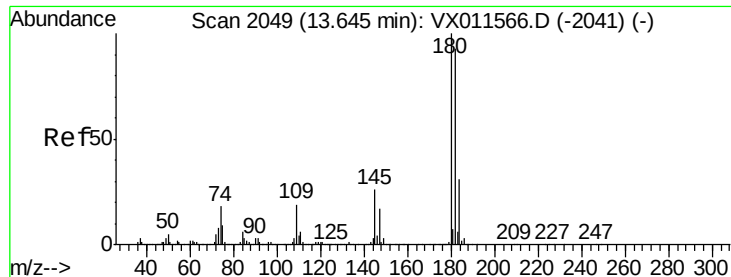
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.252 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011721.D
 Acq: 21 Aug 2019 08:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	53.0	159.0
157	123.7	68.3	205.1





#93

1,2,4-Trichlorobenzene

Concen: 57.227 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

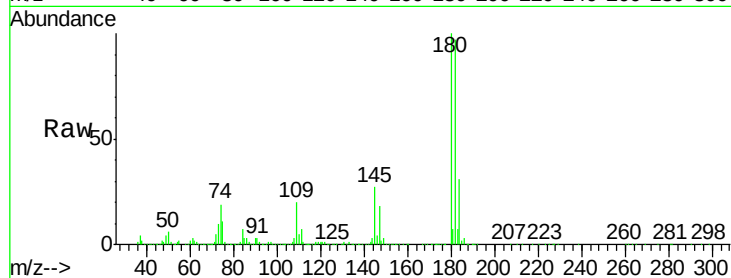
ClientSampleId :

VSTDCCC050

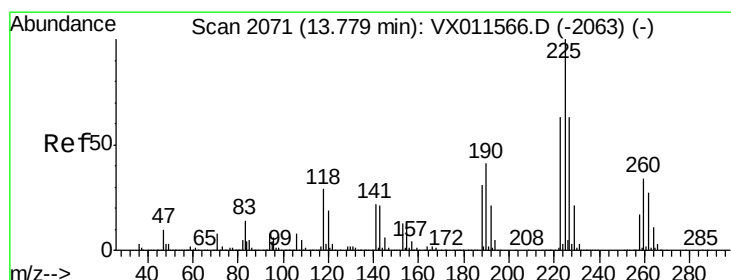
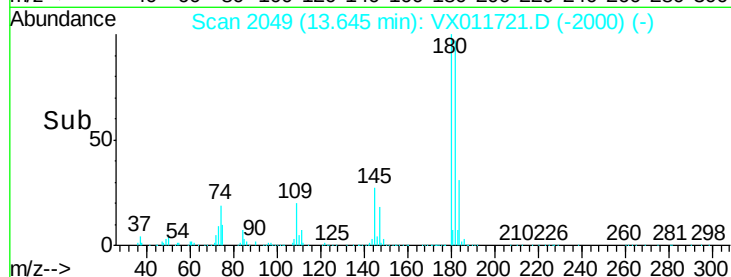
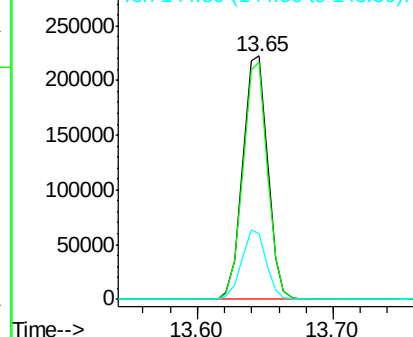
Tot Ion:	180	Resp:	282842
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.3	142.0
145	28.1	13.6	40.8

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 59.085 ug/l

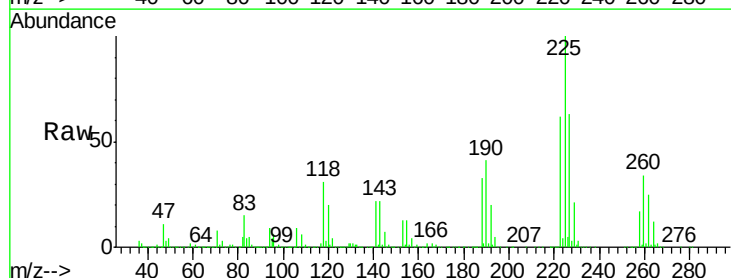
RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

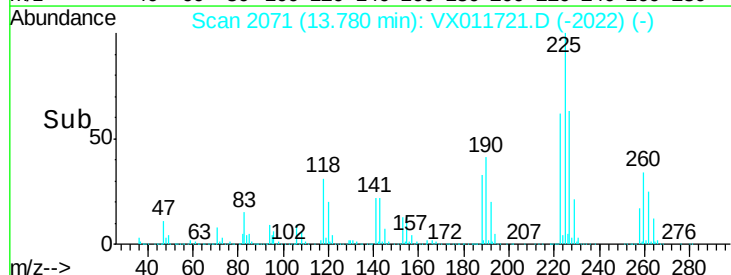
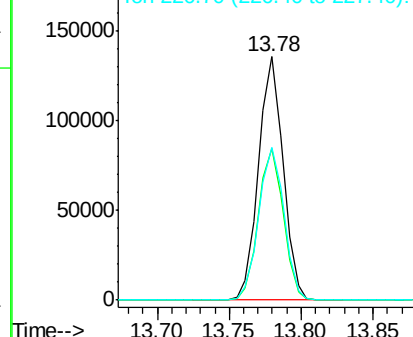
Lab File: VX011721.D

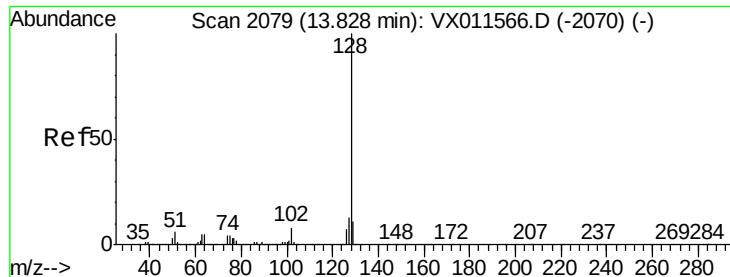
Acq: 21 Aug 2019 08:56

Tgt Ion:	225	Resp:	159015
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.4	94.0
227	64.3	31.2	93.6



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 58.751 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Instrument :

MSVOA_X

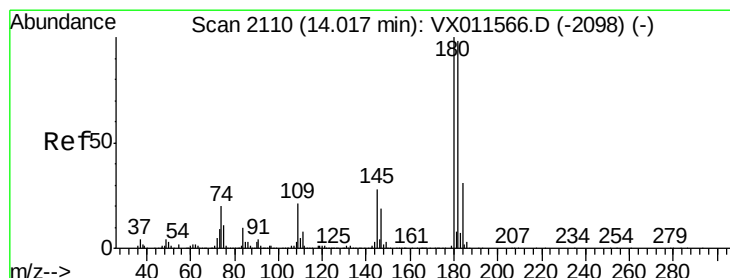
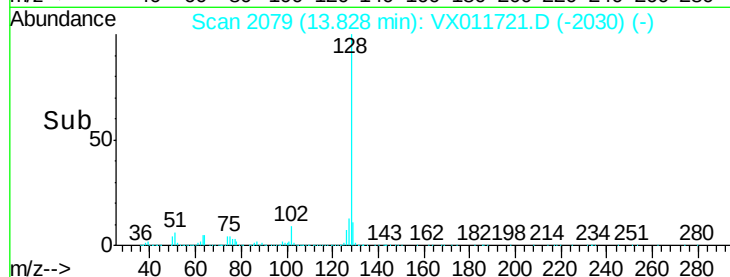
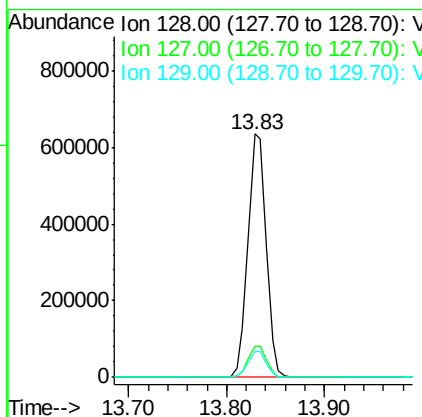
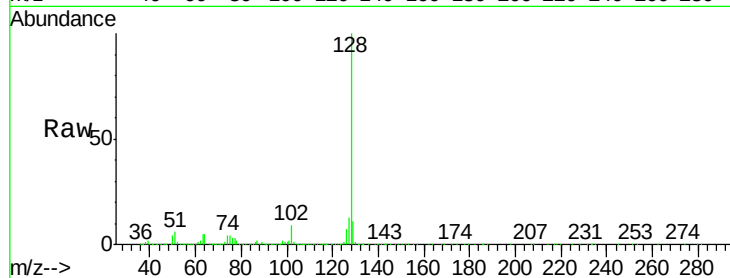
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	820907
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/22/2019 10:00:58 AM



#96

1,2,3-Trichlorobenzene

Concen: 58.519 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX011721.D

Acq: 21 Aug 2019 08:56

Tgt Ion:	180	Resp:	291723
Ion Ratio		Lower	Upper
180	100		
182	95.1	48.0	144.0
145	30.1	14.6	43.8

