

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX070919\
 Data File : VX010764.D
 Acq On : 09 Jul 2019 20:28
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/10/2019 10:20:14 AM

Quant Time: Jul 10 04:51:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	209507	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	317998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	293980	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	159341	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	103907	52.90	ug/l	0.00
Spiked Amount			Recovery	=	105.80%	
35) Dibromofluoromethane	5.49	113	98795	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
50) Toluene-d8	8.71	98	363825	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
62) 4-Bromofluorobenzene	11.13	95	139647	51.96	ug/l	0.00
Spiked Amount			Recovery	=	103.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	88353	60.659	ug/l	99
3) Chloromethane	1.32	50	96278	56.765	ug/l	98
4) Vinyl Chloride	1.41	62	101388	54.577	ug/l	99
5) Bromomethane	1.64	94	49765	54.987	ug/l	99
6) Chloroethane	1.71	64	63385	57.833	ug/l	100
7) Trichlorofluoromethane	1.93	101	171535	58.248	ug/l	98
8) Diethyl Ether	2.19	74	61122	57.876	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	96234	53.924	ug/l	98
10) Methyl Iodide	2.51	142	125398	49.235	ug/l	98
11) Tert butyl alcohol	3.05	59	113957	221.705	ug/l	97
12) 1,1-Dichloroethene	2.37	96	98493	54.237	ug/l	98
13) Acrolein	2.29	56	69915	205.043	ug/l	96
14) Allyl chloride	2.73	41	141790	54.997	ug/l	97
15) Acrylonitrile	3.14	53	284270	279.335	ug/l	99
16) Acetone	2.45	43	225964	229.530	ug/l	97
17) Carbon Disulfide	2.57	76	236373	48.517	ug/l	100
18) Methyl Acetate	2.78	43	116051	59.146	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	316457	55.394	ug/l	100
20) Methylene Chloride	2.85	84	110093	54.341	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	102809	52.639	ug/l	98
22) Diisopropyl ether	3.85	45	304227	56.439	ug/l	97
23) Vinyl Acetate	3.81	43	1336793	287.072	ug/l	99
24) 1,1-Dichloroethane	3.70	63	172725	55.435	ug/l	99
25) 2-Butanone	4.67	43	382896	265.147	ug/l	99
26) 2,2-Dichloropropane	4.58	77	122760	45.355	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	120602	53.436	ug/l	98
28) Bromochloromethane	5.02	49	72472	48.648	ug/l	96
29) Tetrahydrofuran	5.13	42	247428	276.617	ug/l	98
30) Chloroform	5.21	83	185309	55.276	ug/l	99
31) Cyclohexane	5.57	56	153263	54.016	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	161650	54.608	ug/l	99
36) 1,1-Dichloropropene	5.80	75	134145	53.085	ug/l	99
37) Ethyl Acetate	4.83	43	144373	55.535	ug/l	98
38) Carbon Tetrachloride	5.79	117	140135	51.212	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	170066	51.199	ug/l	97
40) Benzene	6.14	78	419658	53.305	ug/l	98
41) Methacrylonitrile	5.04	41	79549	55.770	ug/l	98
42) 1,2-Dichloroethane	6.19	62	138057	57.608	ug/l	98
43) Isopropyl Acetate	6.44	43	234713	54.571	ug/l	98
44) Trichloroethene	7.21	130	121365	51.519	ug/l	99
45) 1,2-Dichloropropane	7.51	63	105849	53.241	ug/l	97
46) Dibromomethane	7.66	93	76425	53.579	ug/l	97
47) Bromodichloromethane	7.90	83	137865	52.740	ug/l	100
48) Methyl methacrylate	7.77	41	113939	56.992	ug/l	98
49) 1,4-Dioxane	7.74	88	56963	989.077	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	783242	284.731	ug/l	98
52) Toluene	8.78	92	275550	53.149	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	148597	50.703	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	166962	52.423	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	115683	54.103	ug/l	99
56) Ethyl methacrylate	9.18	69	175696	54.243	ug/l	95
57) 1,3-Dichloropropane	9.37	76	180310	54.325	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	370496	240.843	ug/l	99
59) 2-Hexanone	9.49	43	604788	279.349	ug/l	97
60) Dibromochloromethane	9.58	129	121587	50.787	ug/l	99
61) 1,2-Dibromoethane	9.67	107	125167	54.233	ug/l	100
64) Tetrachloroethene	9.34	164	114897	48.321	ug/l	96
65) Chlorobenzene	10.14	112	311612	52.211	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	115518	53.136	ug/l	99
67) Ethyl Benzene	10.25	91	539495	53.543	ug/l	100
68) m/p-Xylenes	10.36	106	420464	107.696	ug/l	98
69) o-Xylene	10.69	106	204180	53.180	ug/l	98
70) Styrene	10.71	104	353816	54.951	ug/l	99
71) Bromoform	10.85	173	92381	48.865	ug/l #	98
73) Isopropylbenzene	11.02	105	548021	50.736	ug/l	98
74) N-amyl acetate	10.90	43	226581	55.506	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	183322	51.248	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	149317m	51.425	ug/l	
77) Bromobenzene	11.26	156	149334	49.513	ug/l	98
78) n-propylbenzene	11.36	91	618691	52.117	ug/l	99
79) 2-Chlorotoluene	11.42	91	360596	51.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	460493	51.715	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	53643	43.099	ug/l	91
82) 4-Chlorotoluene	11.51	91	421208	52.365	ug/l	100
83) tert-Butylbenzene	11.77	119	452450	50.625	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	472776	52.847	ug/l	98
85) sec-Butylbenzene	11.94	105	539014	51.366	ug/l	99
86) p-Isopropyltoluene	12.06	119	498523	51.361	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	264110	50.166	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	266022	49.633	ug/l	99
89) n-Butylbenzene	12.38	91	431124	52.271	ug/l	99
90) Hexachloroethane	12.60	117	79122	47.143	ug/l	96
91) 1,2-Dichlorobenzene	12.39	146	262635	50.194	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	37522	48.651	ug/l	94

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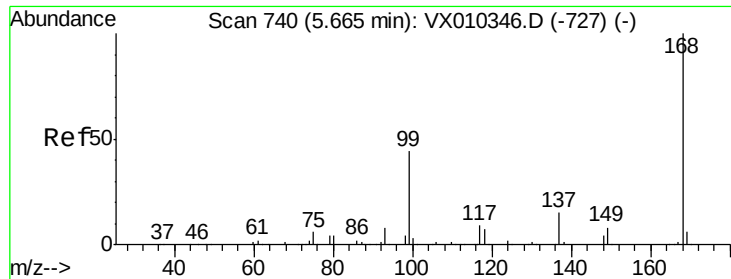
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	180790	49.823	ug/l	99
94) Hexachlorobutadiene	13.78	225	85476	48.198	ug/l	97
95) Naphthalene	13.83	128	570542	51.165	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	182741	50.652	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 209507

Ion Ratio Lower Upper

168 100

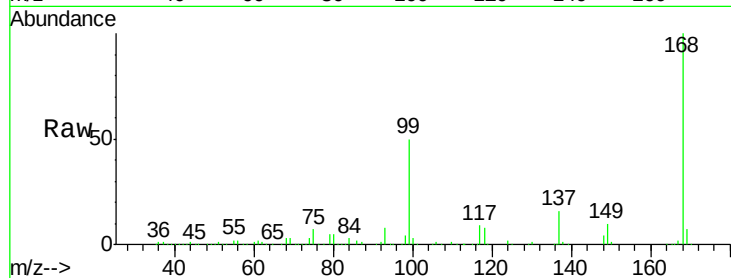
99 49.6 35.5 53.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

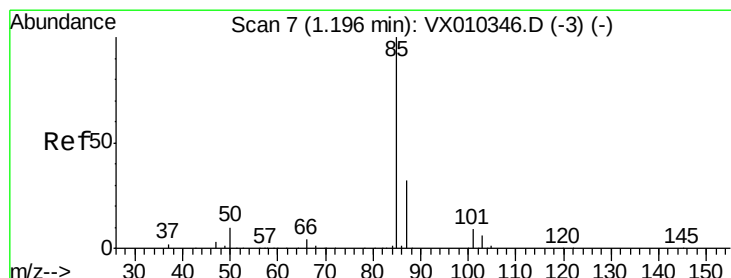
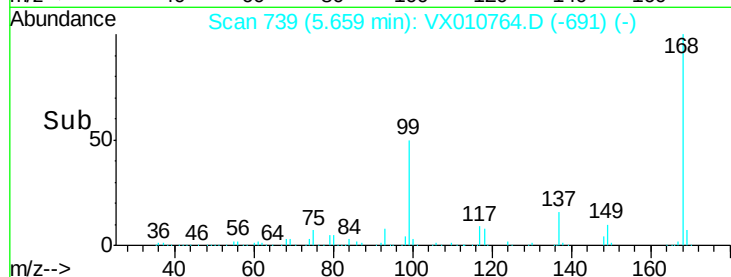
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 60.659 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010764.D

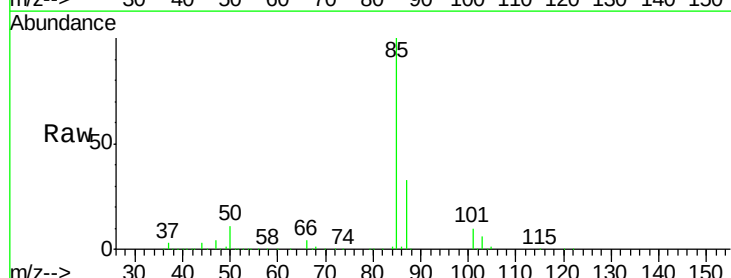
Acq: 09 Jul 2019 20:28

Tgt Ion: 85 Resp: 88353

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

100000

80000

60000

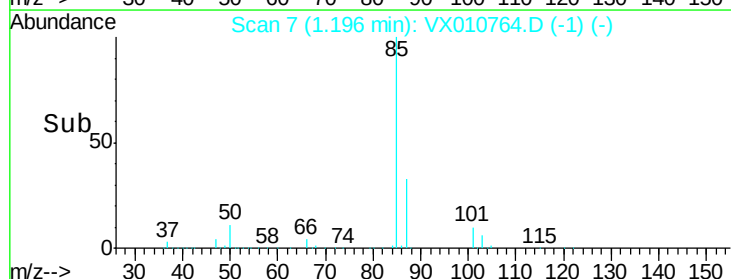
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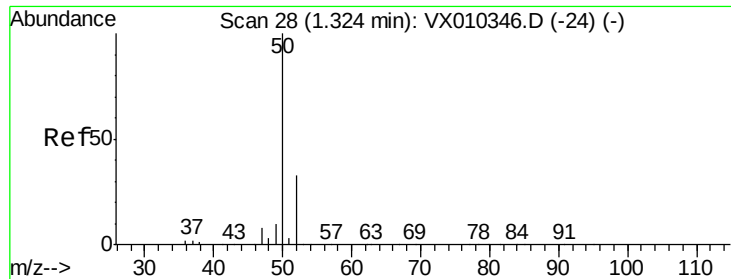
20000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 56.765 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 96278

Ion Ratio Lower Upper

50 100

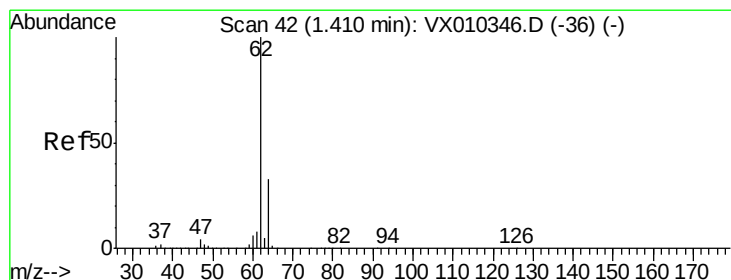
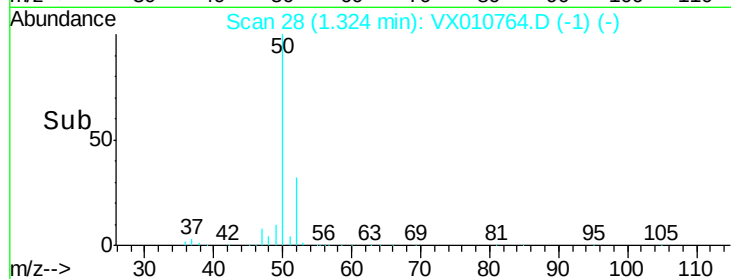
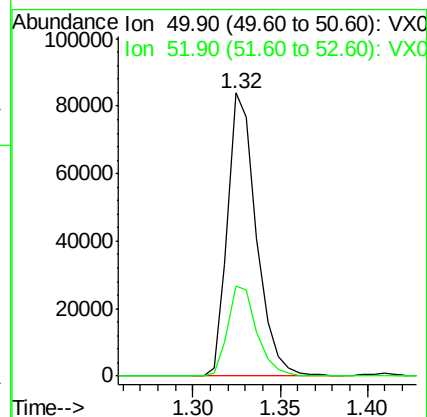
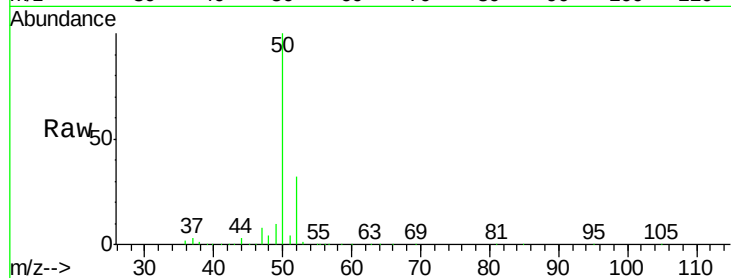
52 31.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 54.577 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010764.D

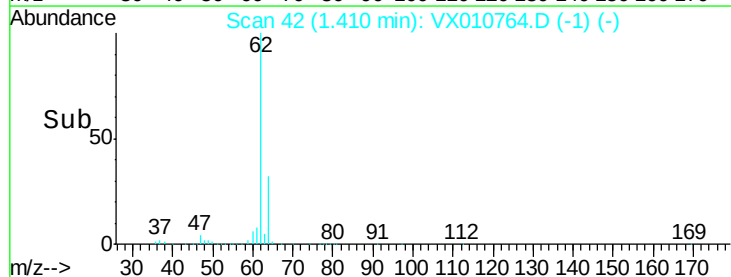
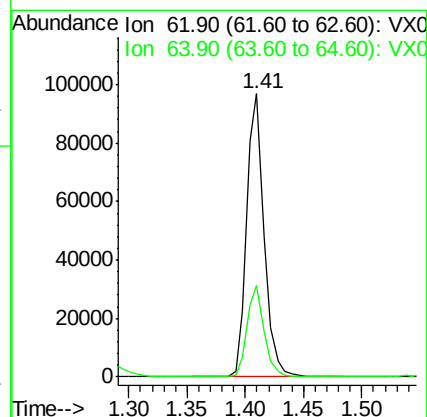
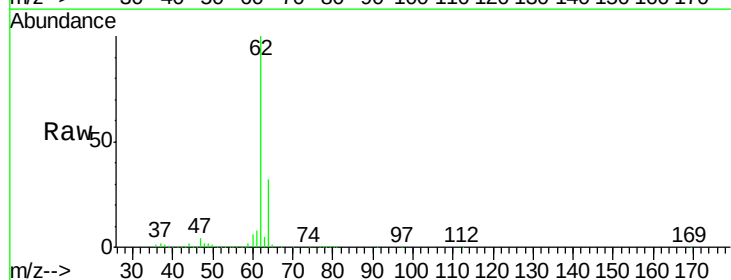
Acq: 09 Jul 2019 20:28

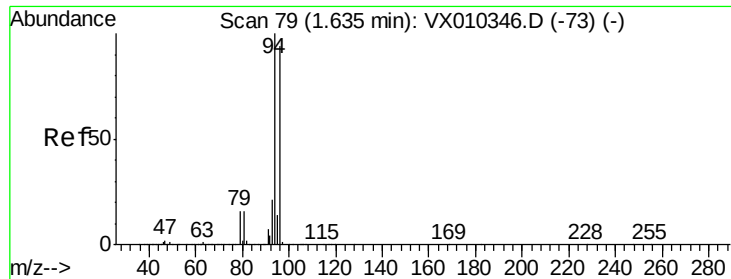
Tgt Ion: 62 Resp: 101388

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 54.987 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 49765

Ion Ratio Lower Upper

94 100

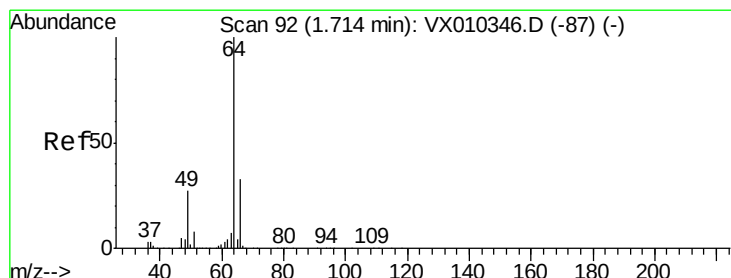
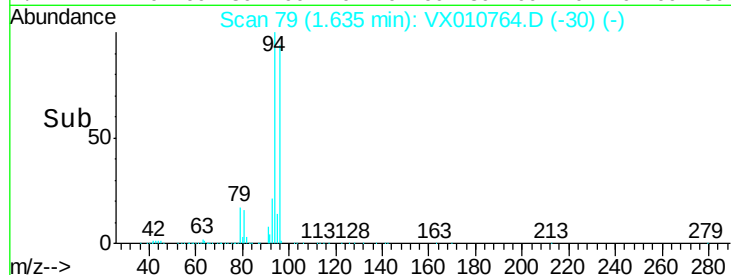
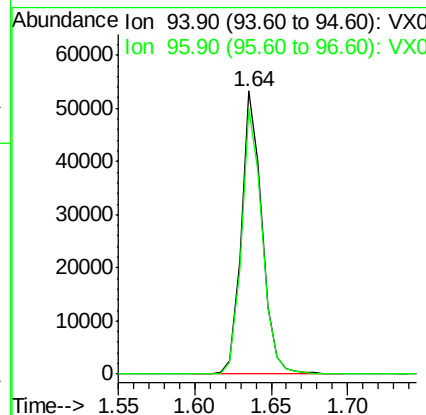
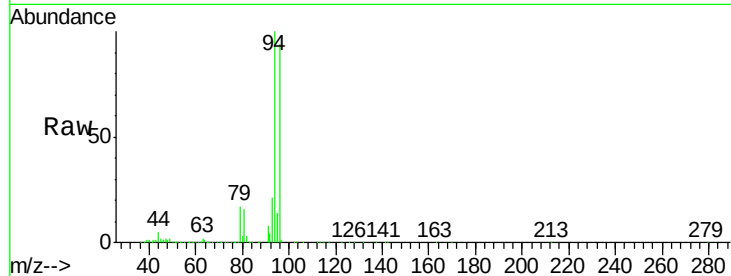
96 93.7 75.5 113.3

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#6

Chloroethane

Concen: 57.833 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010764.D

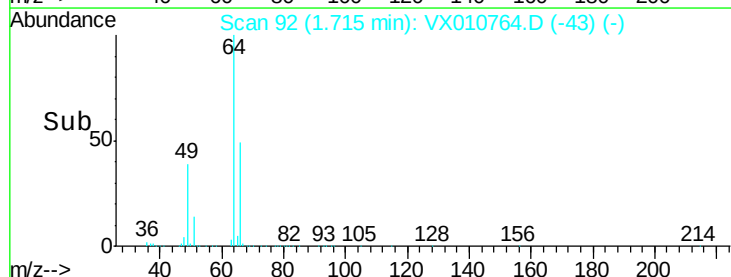
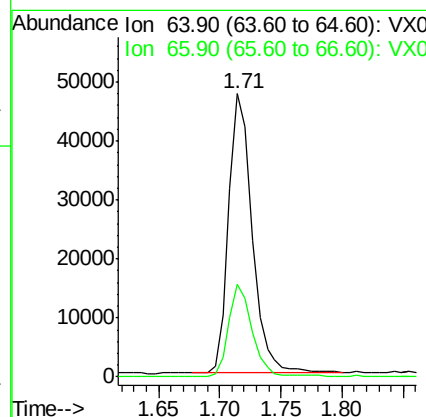
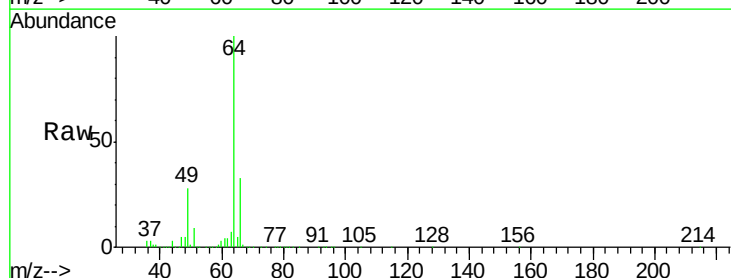
Acq: 09 Jul 2019 20:28

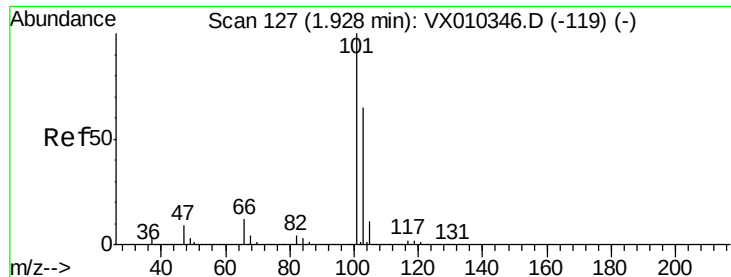
Tgt Ion: 64 Resp: 63385

Ion Ratio Lower Upper

64 100

66 33.2 26.6 40.0





#7

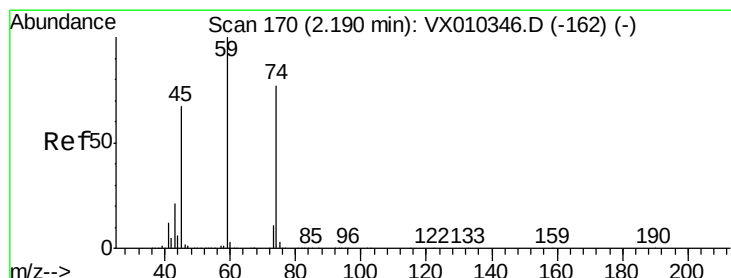
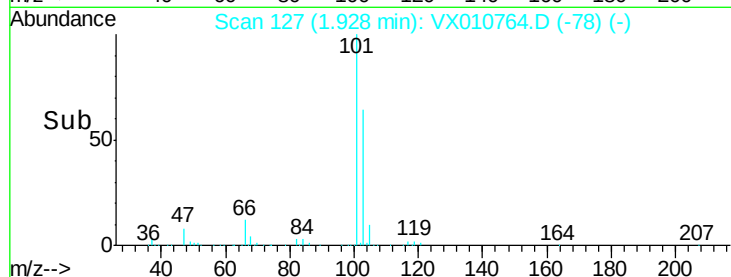
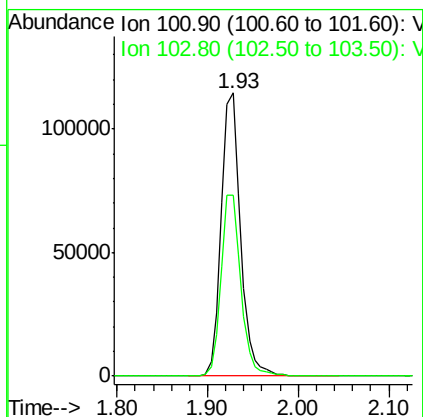
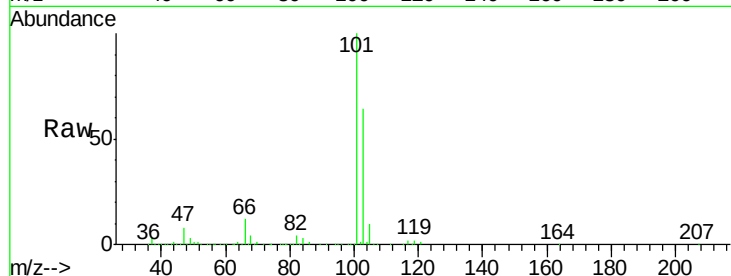
Trichlorofluoromethane
Concen: 58.248 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010764.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	52.3	78.5

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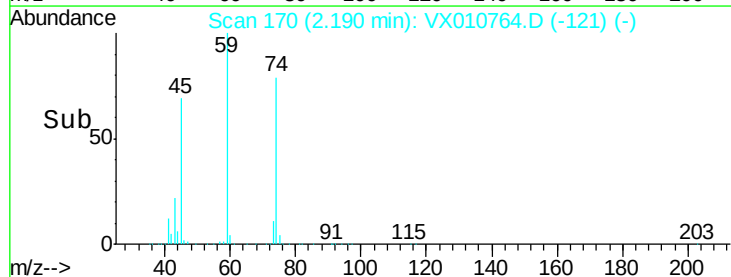
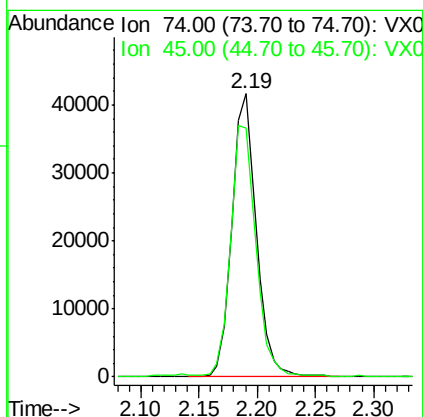
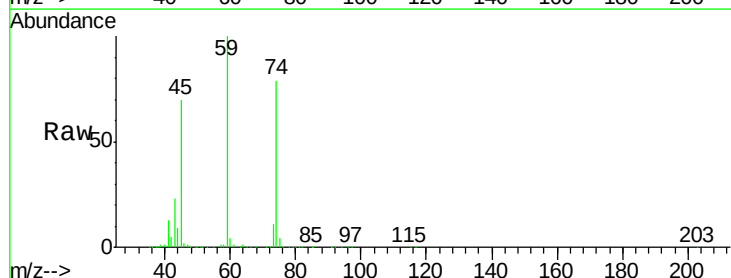
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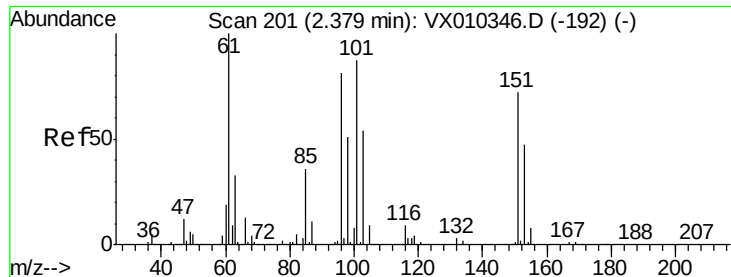


#8

Diethyl Ether
Concen: 57.876 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.1	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.924 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

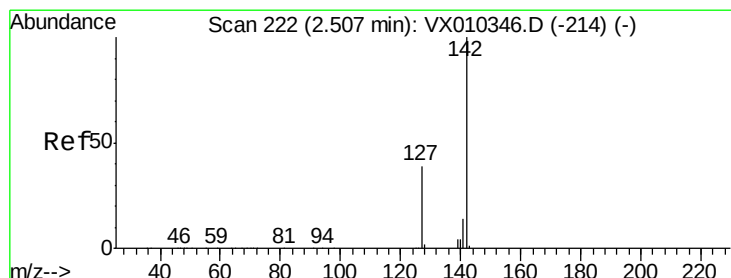
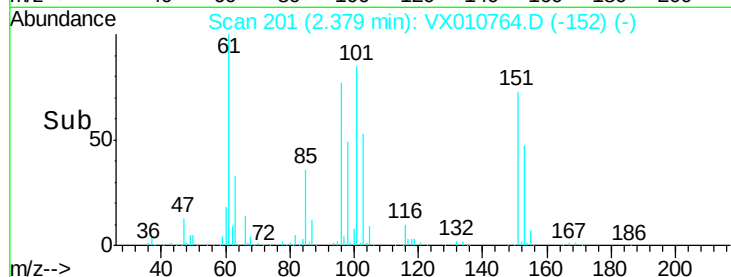
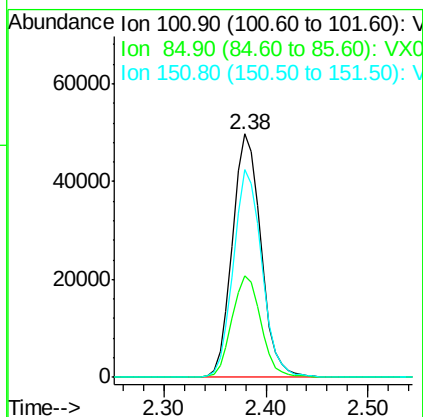
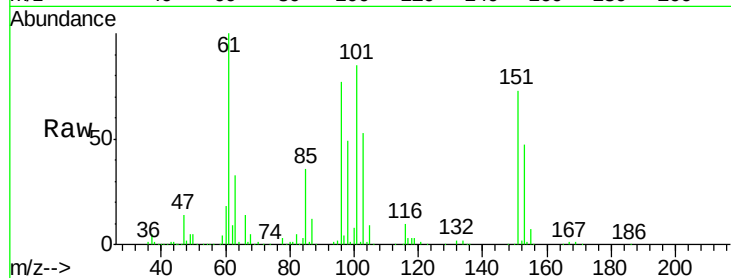
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	96234
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.7	50.5
151	85.6	70.1	105.1

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#10

Methyl Iodide

Concen: 49.235 ug/l

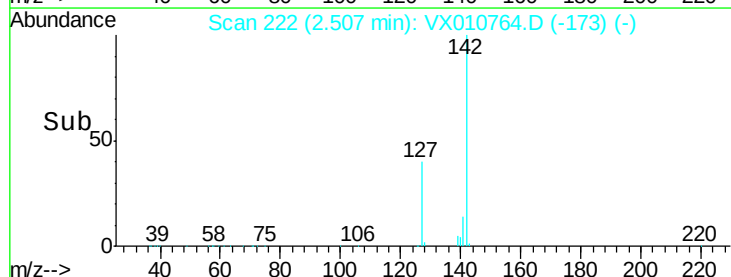
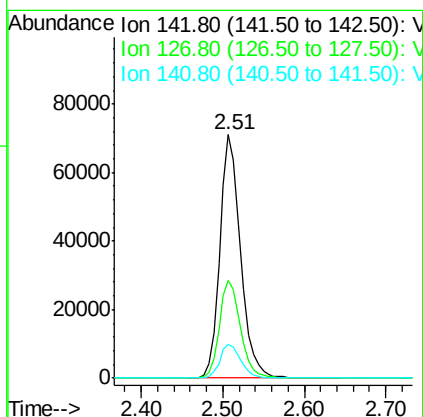
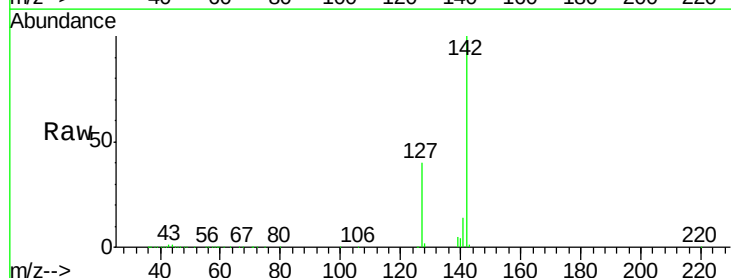
RT: 2.51 min Scan# 222

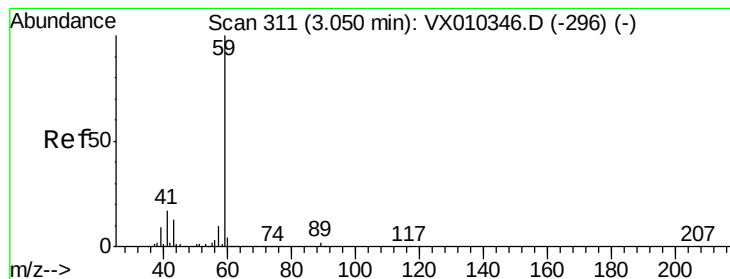
Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion:	142	Resp:	125398
Ion Ratio	Lower	Upper	
142	100		
127	40.6	31.1	46.7
141	14.2	11.2	16.8





#11

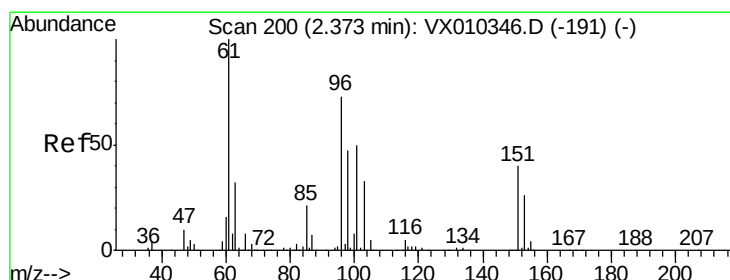
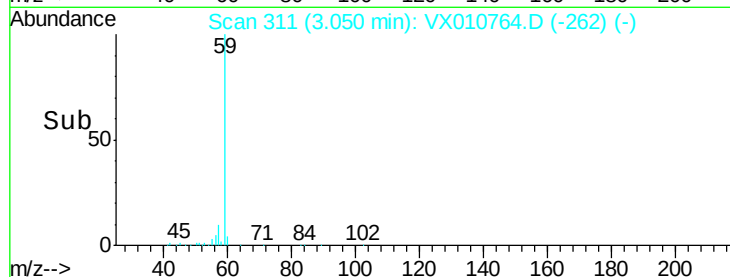
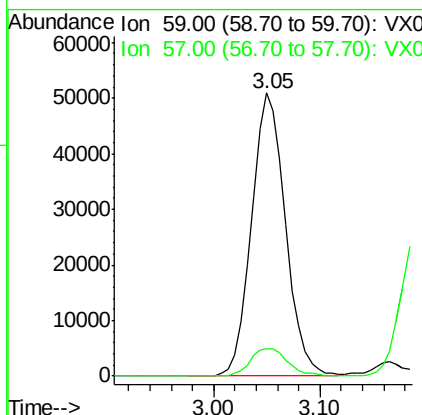
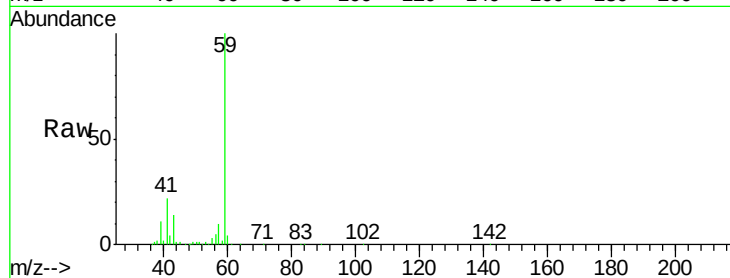
Tert butyl alcohol
 Concen: 221.705 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	113957
Ion Ratio	100	Lower	Upper
57	10.7	7.7	11.5

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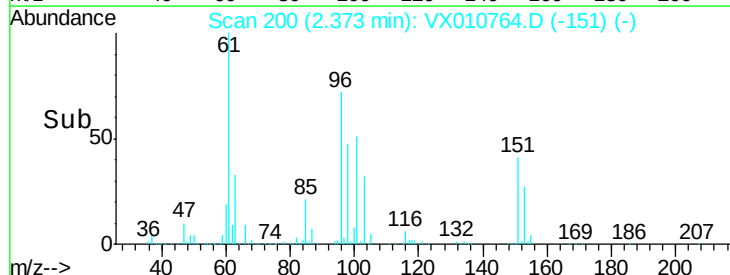
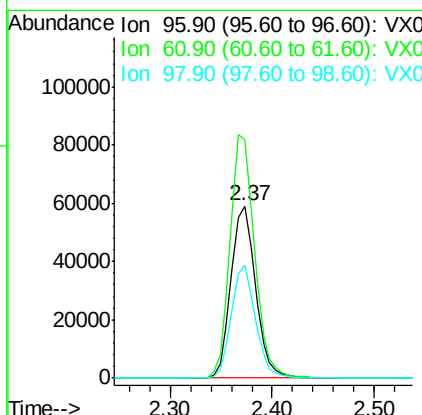
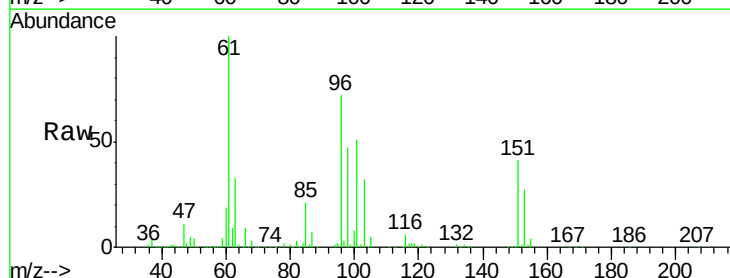
MMDadoda
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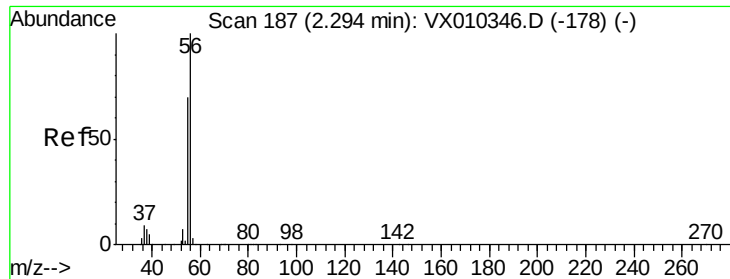


#12

1,1-Dichloroethene
 Concen: 54.237 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion	96	Resp	98493
Ion Ratio	100	Lower	Upper
61	138.7	109.2	163.8
98	65.7	51.1	76.7





#13

Acrolein

Concen: 205.043 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 69915

Ion Ratio Lower Upper

56 100

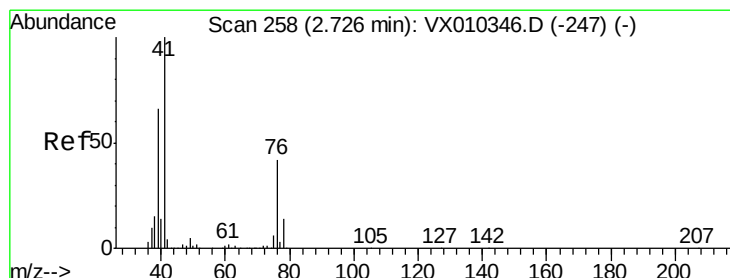
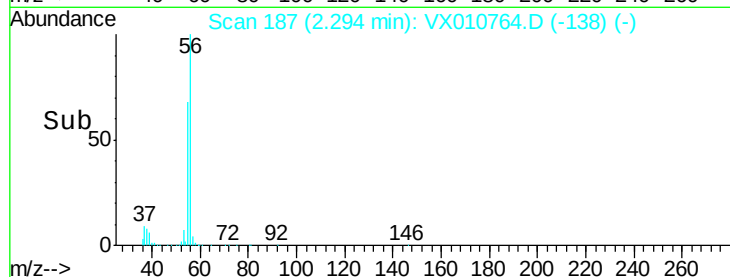
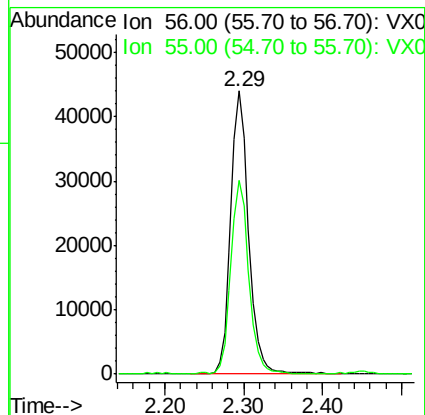
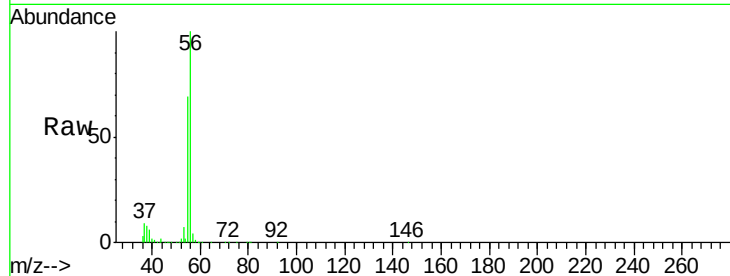
55 67.5 56.9 85.3

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#14

Allyl chloride

Concen: 54.997 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

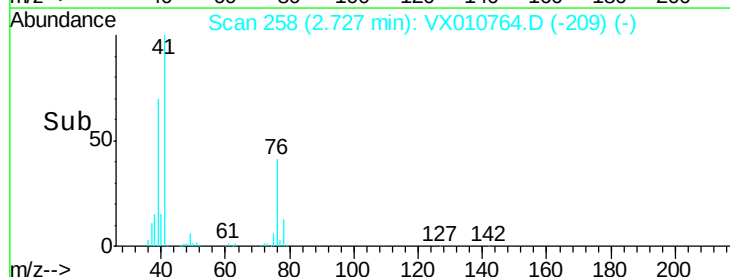
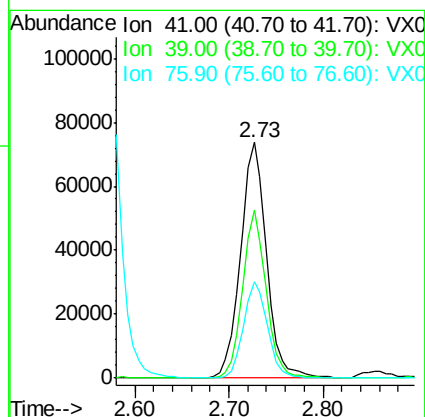
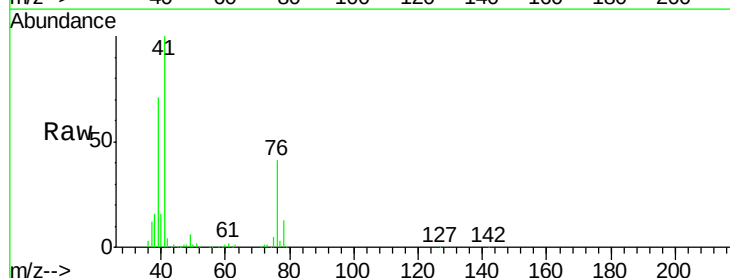
Tgt Ion: 41 Resp: 141790

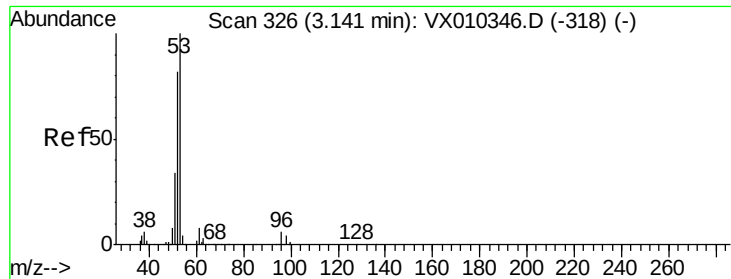
Ion Ratio Lower Upper

41 100

39 65.1 50.3 75.5

76 37.6 31.3 46.9





#15

Acrylonitrile

Concen: 279.335 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

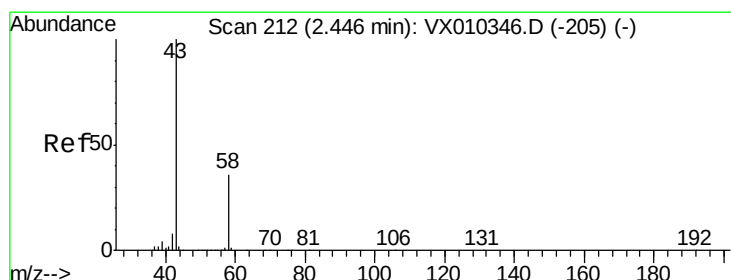
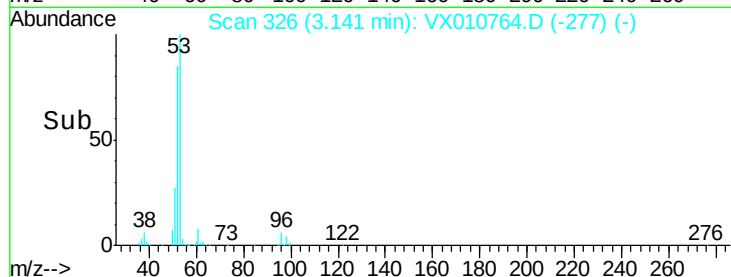
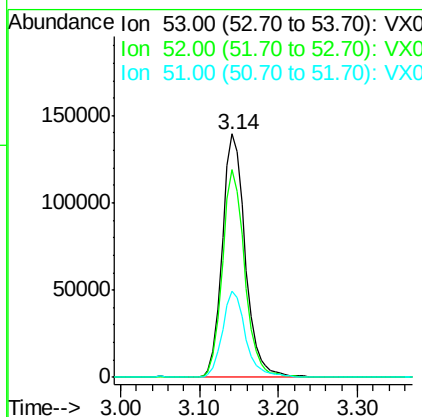
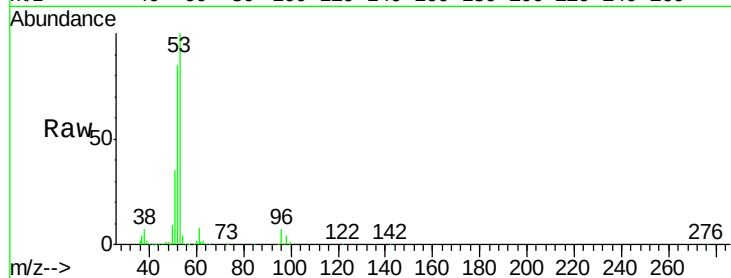
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	284270
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.5	98.3
51	35.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 229.530 ug/l

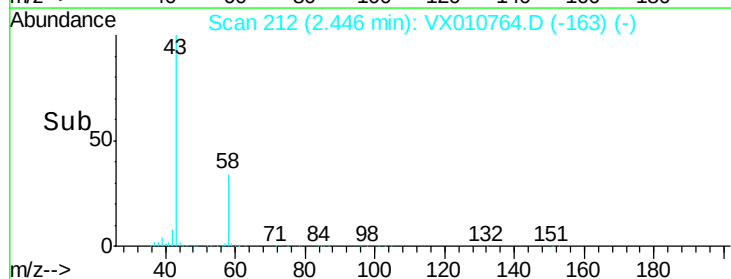
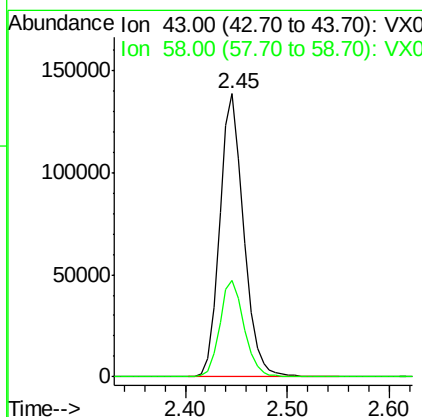
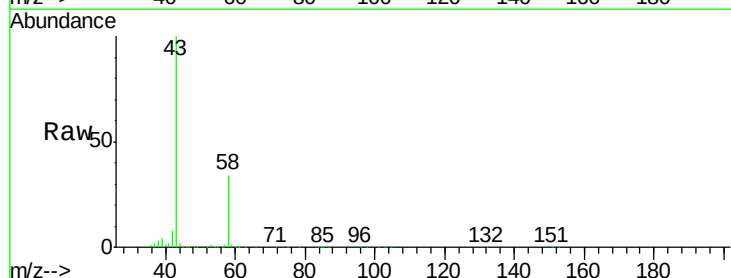
RT: 2.45 min Scan# 212

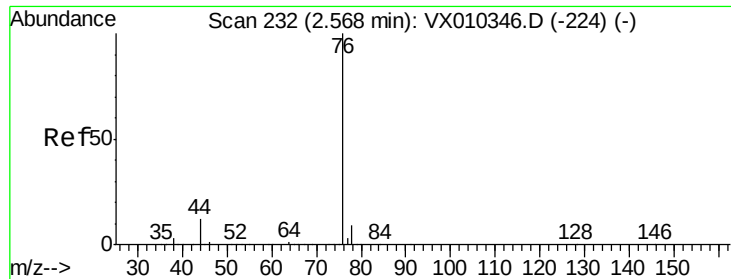
Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion:	43	Resp:	225964
Ion	Ratio	Lower	Upper
43	100		
58	34.0	28.9	43.3





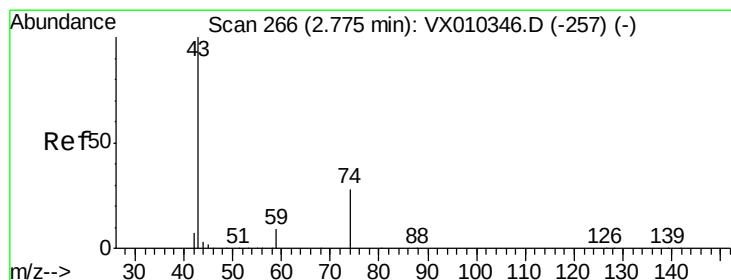
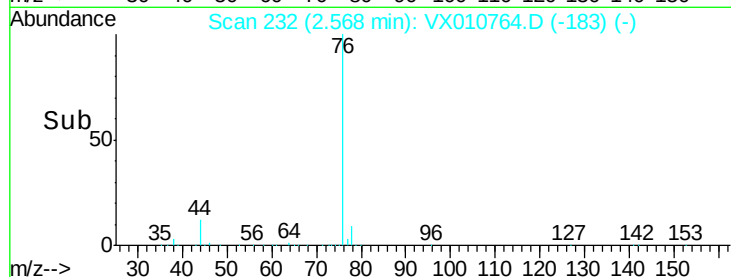
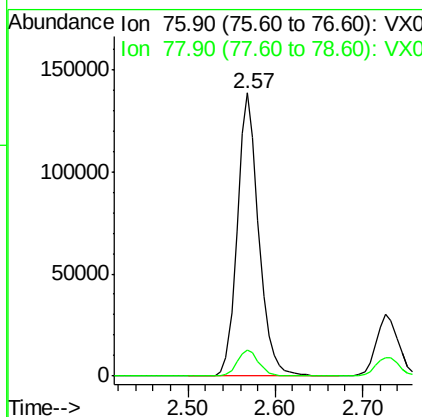
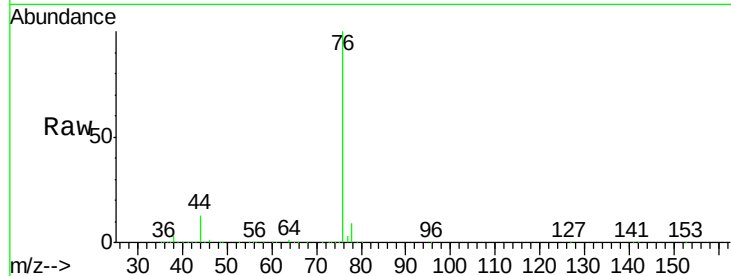
#17
Carbon Disulfide
Concen: 48.517 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

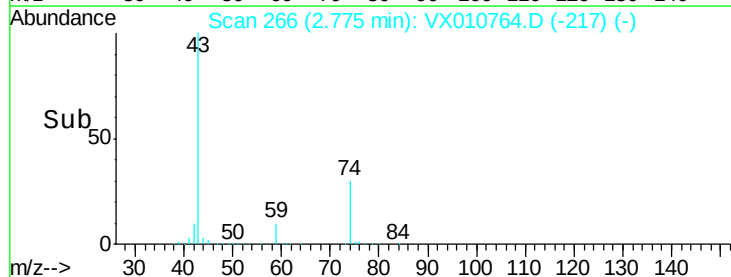
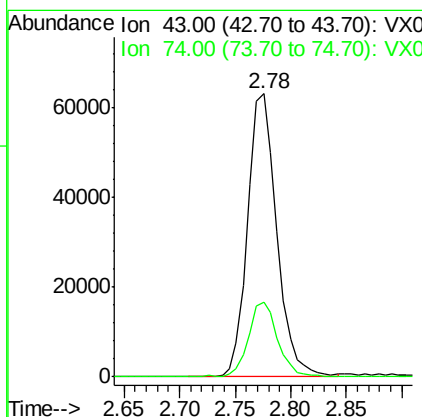
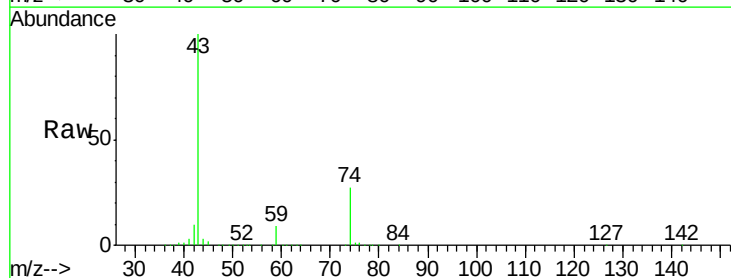
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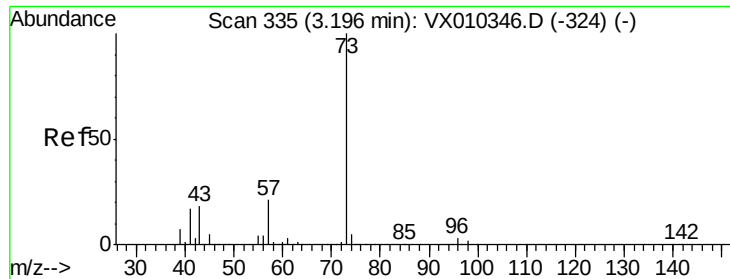
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#18
Methyl Acetate
Concen: 59.146 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.7	21.3	31.9





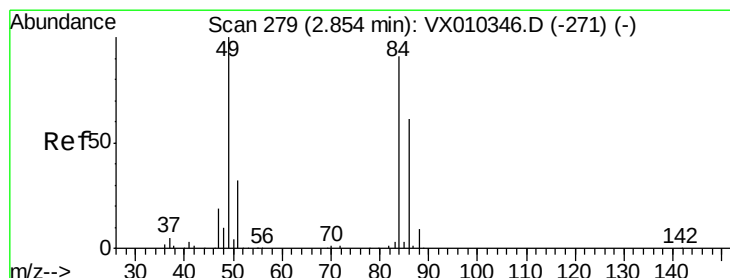
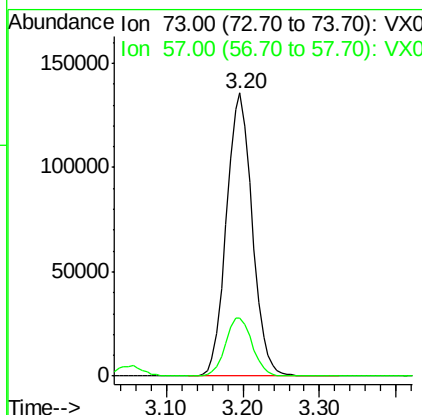
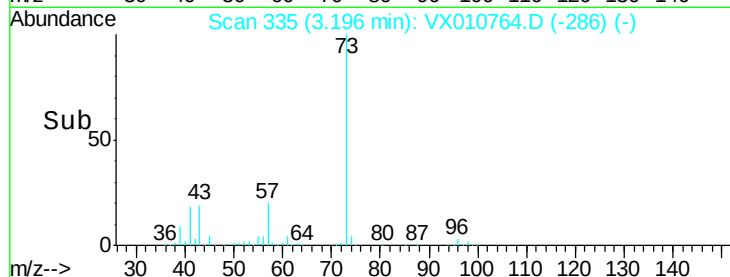
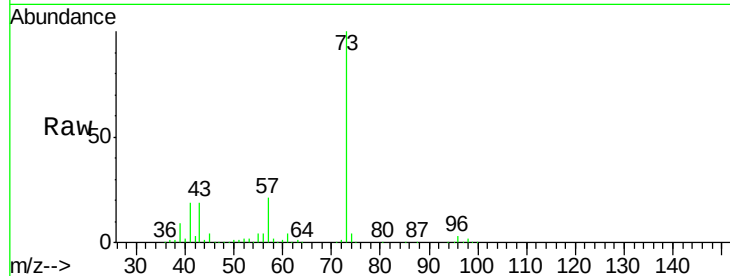
#19
Methyl tert-butyl Ether
Concen: 55.394 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.6	16.4	24.6

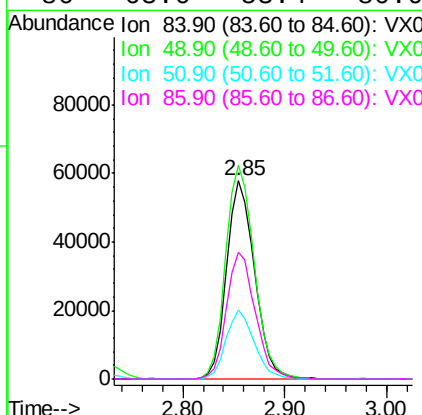
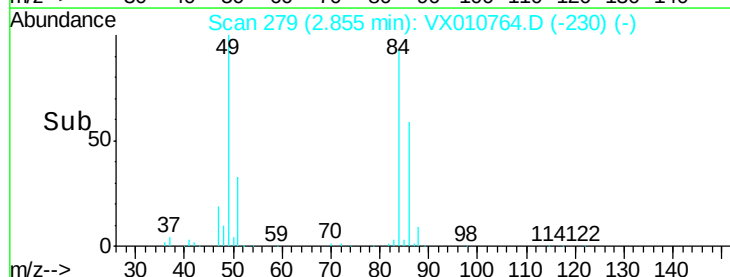
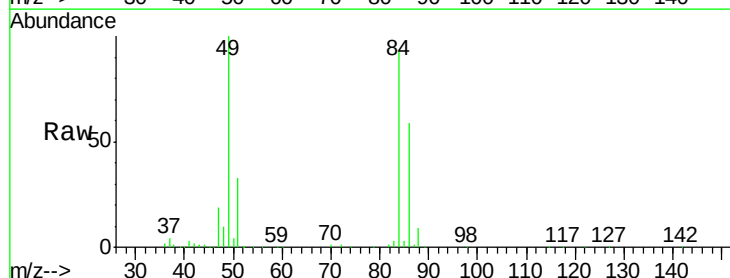
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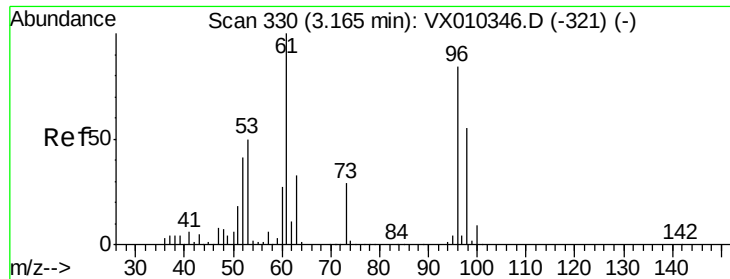
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#20
Methylene Chloride
Concen: 54.341 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.6	87.5	131.3
51	35.0	27.7	41.5
86	63.6	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 52.639 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 102809

Ion Ratio Lower Upper

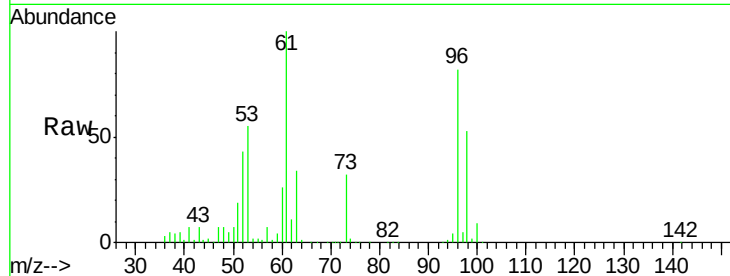
96 100

61 122.4 95.6 143.4

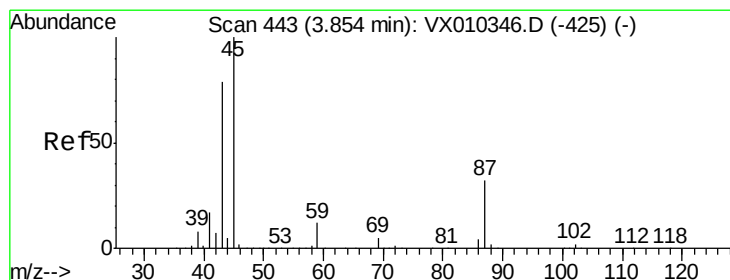
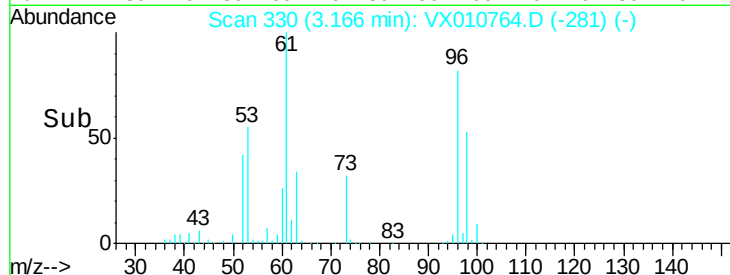
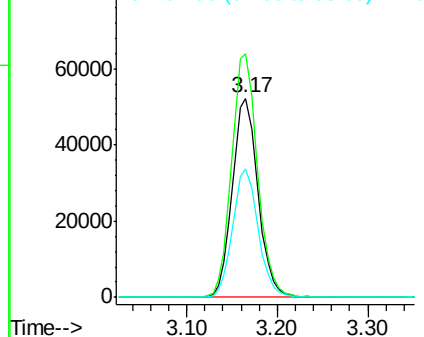
98 64.4 52.5 78.7

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 56.439 ug/l

RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion: 45 Resp: 304227

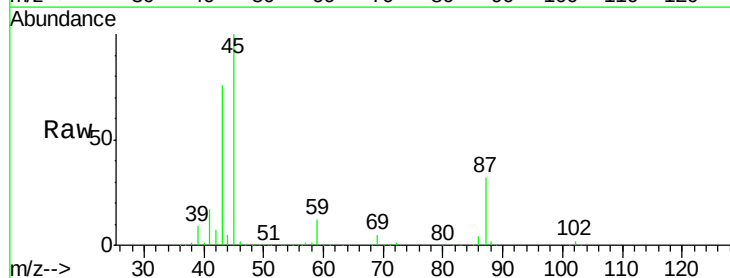
Ion Ratio Lower Upper

45 100

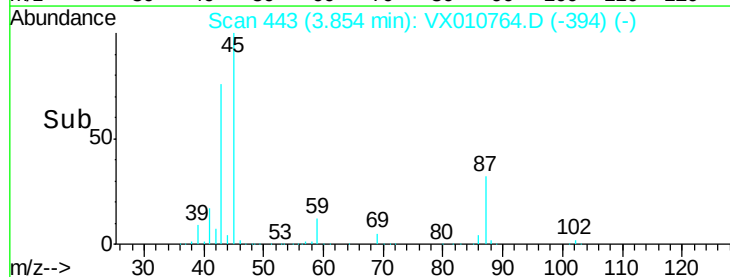
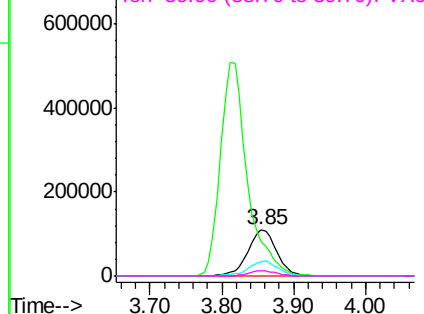
43 75.7 63.3 94.9

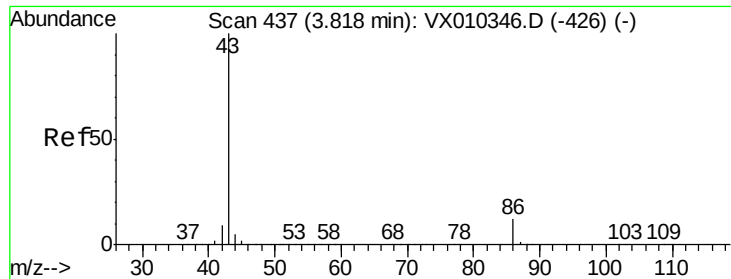
87 31.7 25.8 38.8

59 12.1 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 287.072 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1336793

Ion Ratio Lower Upper

43 100

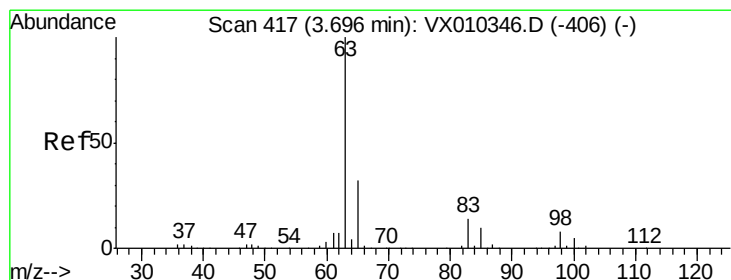
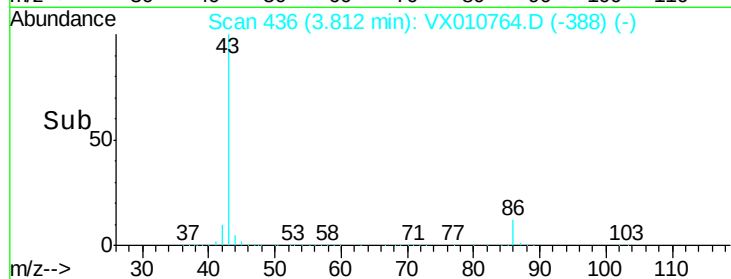
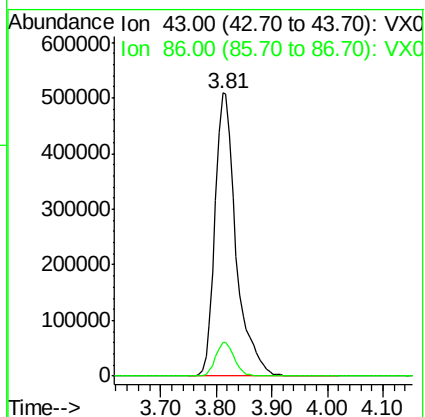
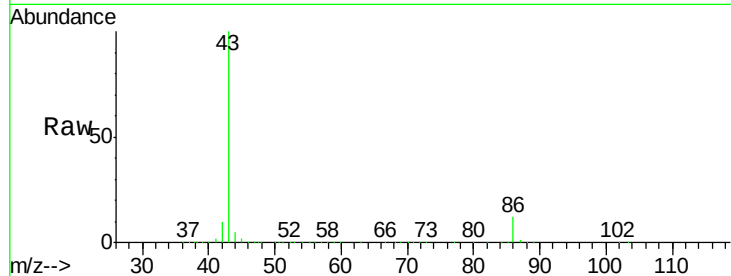
86 11.9 9.9 14.9

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#24

1,1-Dichloroethane

Concen: 55.435 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

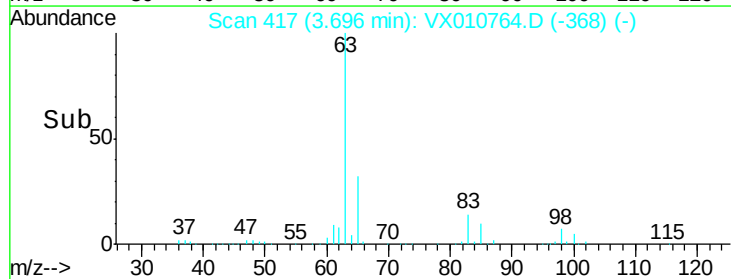
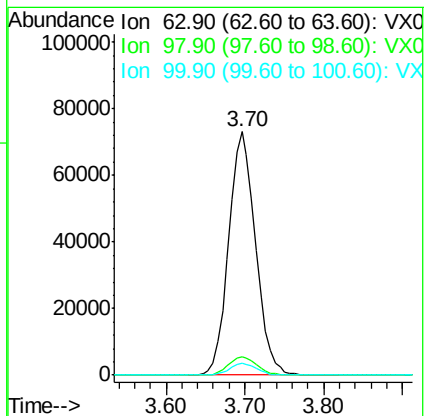
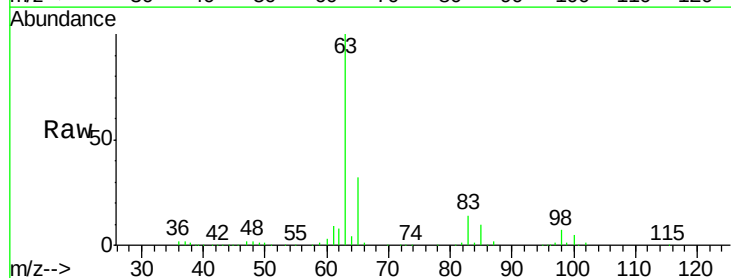
Tgt Ion: 63 Resp: 172725

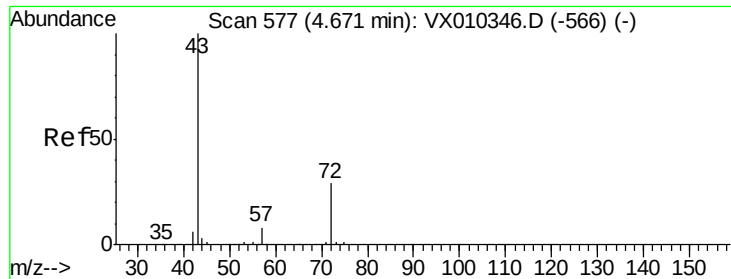
Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.7

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 265.147 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 382896

Ion Ratio Lower Upper

43 100

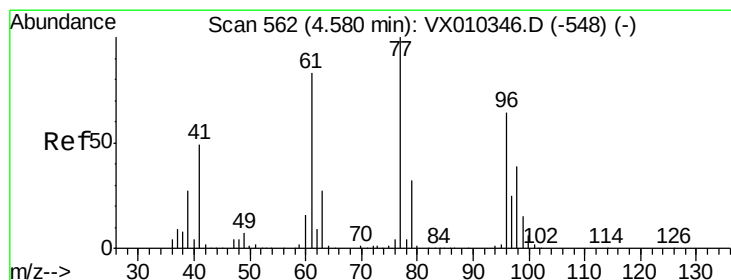
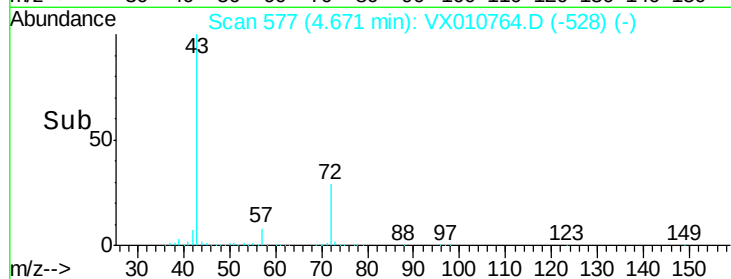
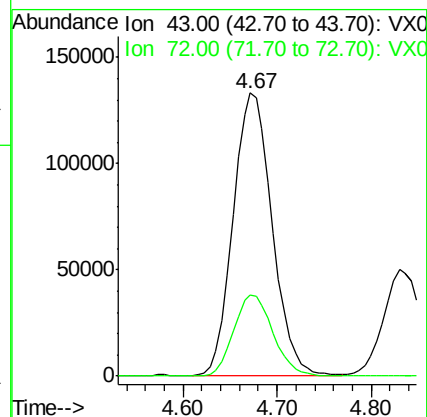
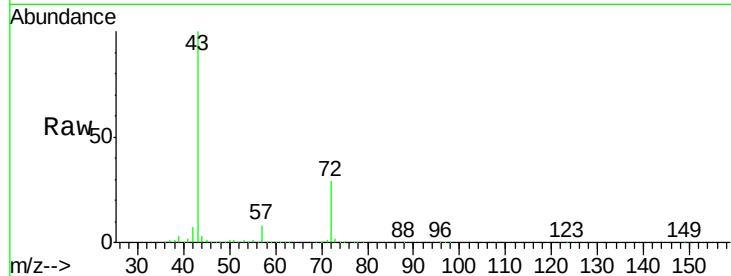
72 28.7 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.355 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010764.D

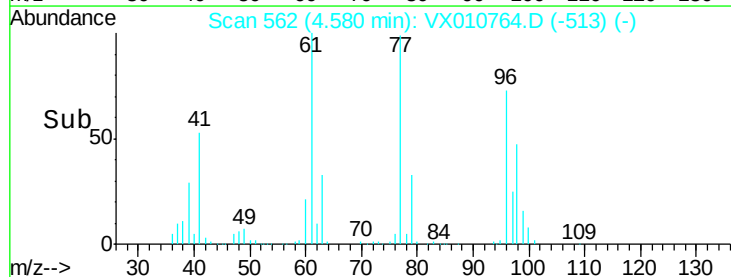
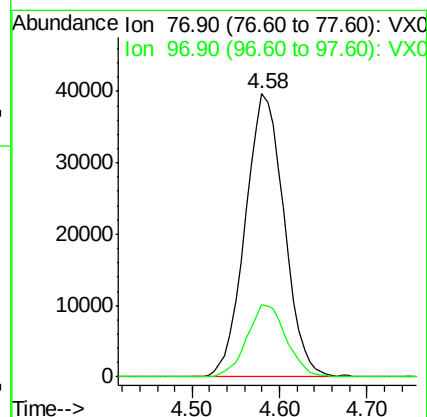
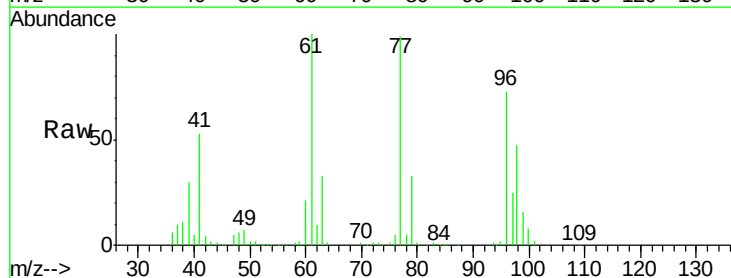
Acq: 09 Jul 2019 20:28

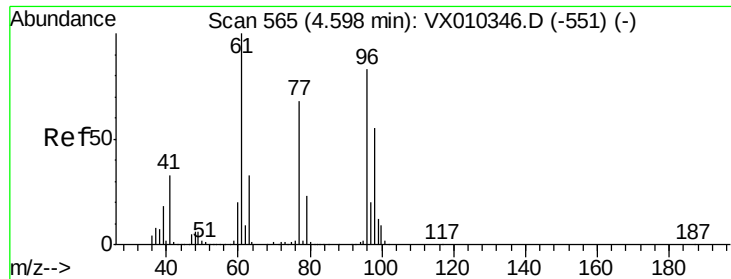
Tgt Ion: 77 Resp: 122760

Ion Ratio Lower Upper

77 100

97 25.8 13.1 39.3





#27

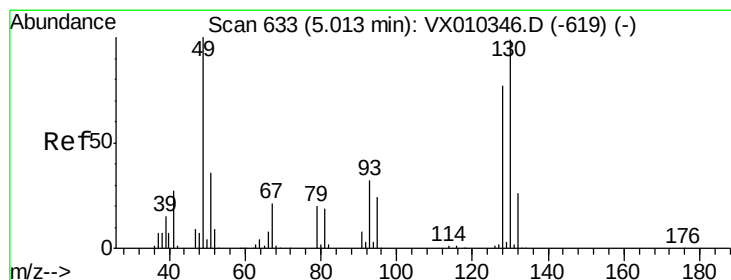
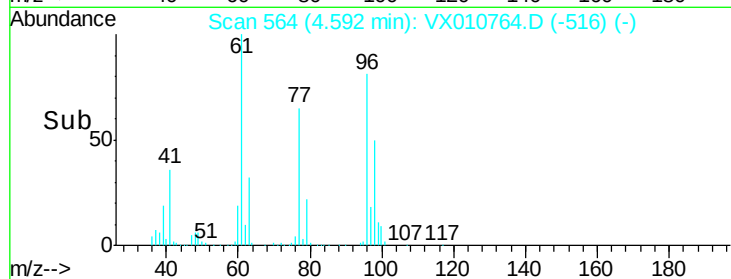
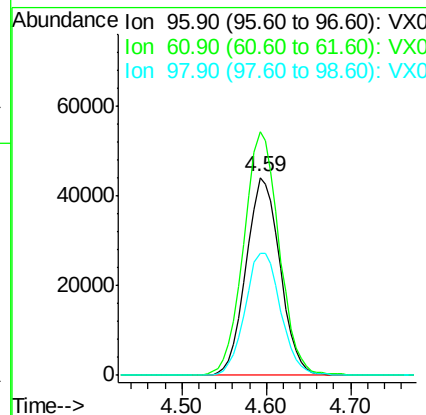
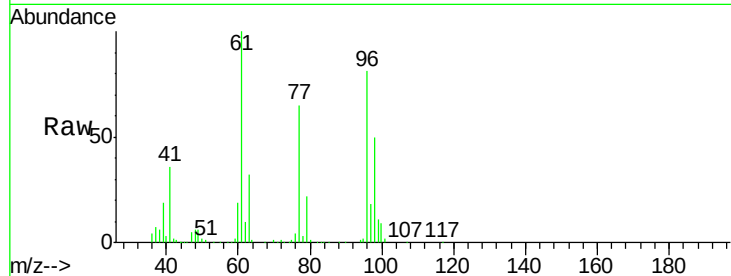
cis-1,2-Dichloroethene
Concen: 53.436 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	128.6	0.0	251.8	
98	64.8	0.0	129.4	

Manual Integrations
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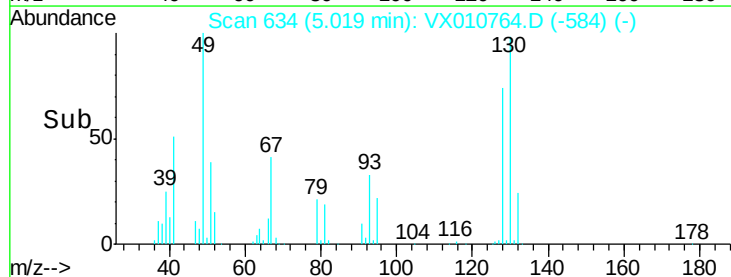
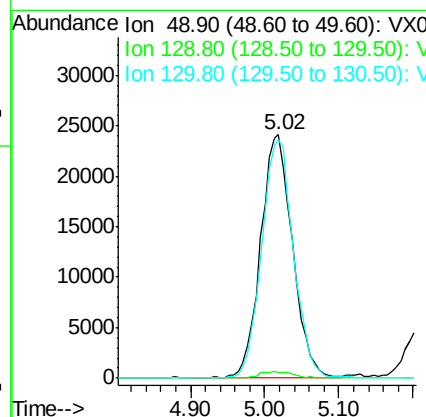
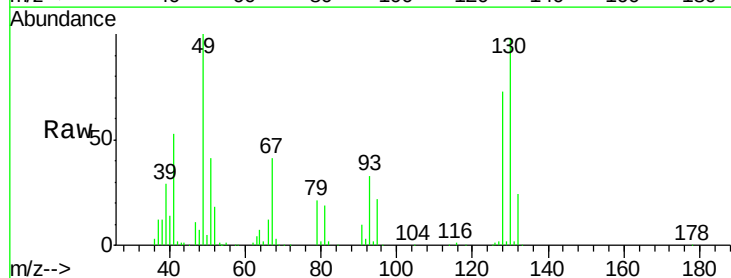
MMDadoda
7/10/2019 10:20:14 AM

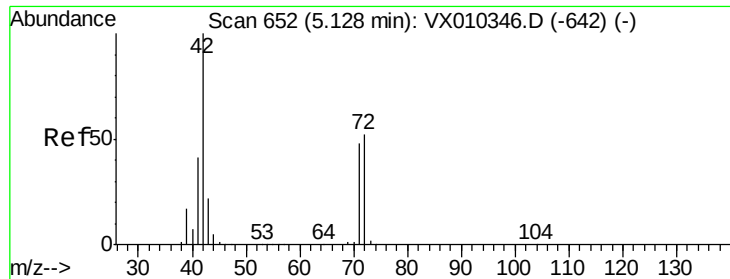


#28

Bromochloromethane
Concen: 48.648 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	5.6	
130	97.8	81.4	122.0	





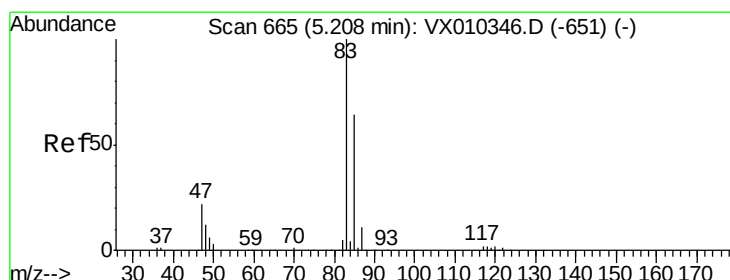
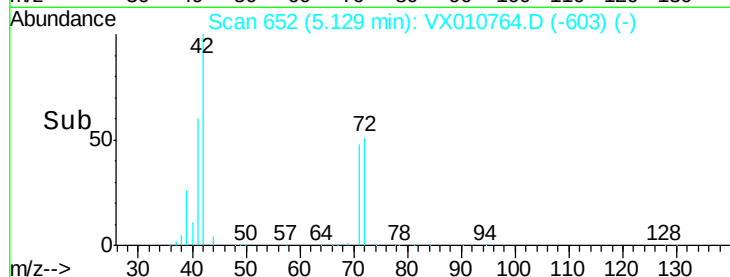
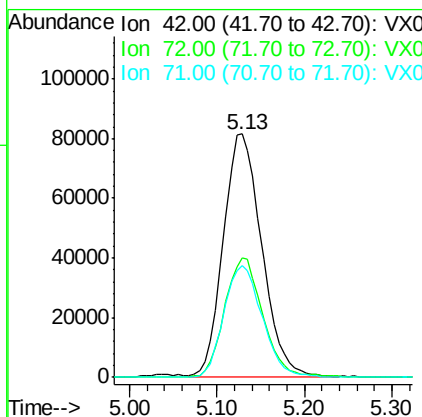
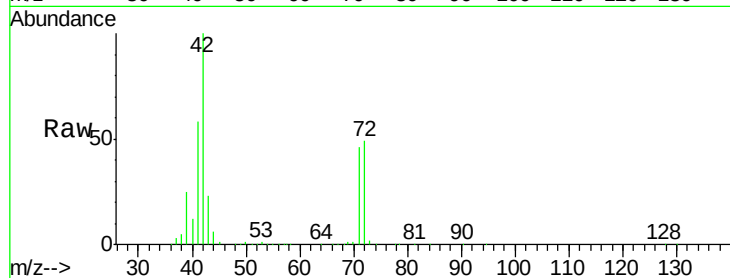
#29
Tetrahydrofuran
Concen: 276.617 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.4	40.6	60.8
71	46.2	37.8	56.8

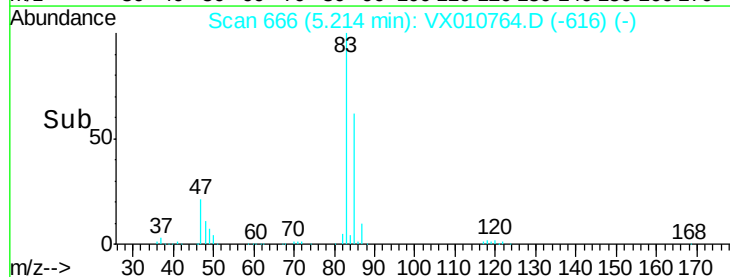
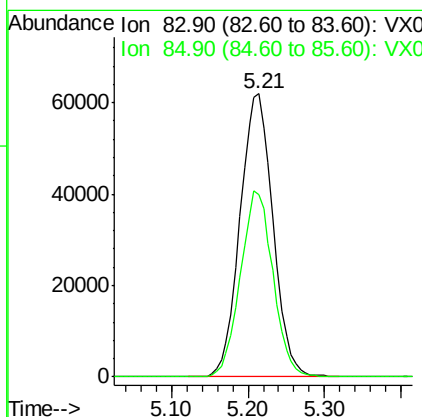
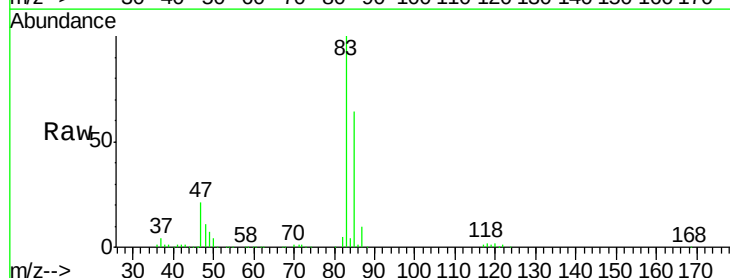
Manual Integrations
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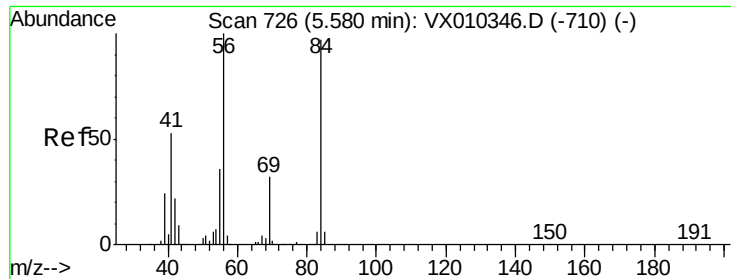
MMDadoda
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#30
Chloroform
Concen: 55.276 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.9	76.3





#31

Cyclohexane

Concen: 54.016 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

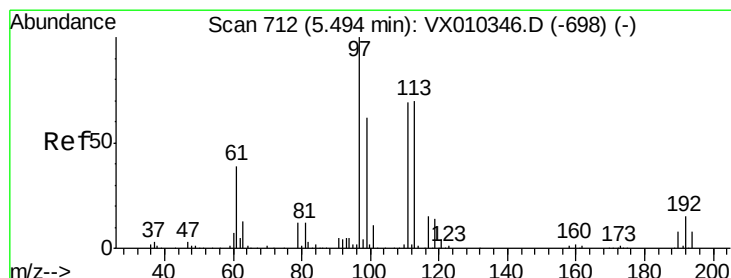
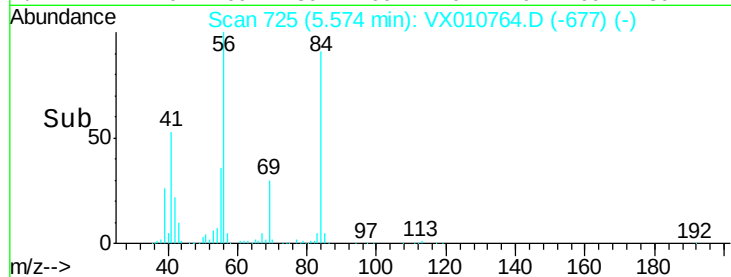
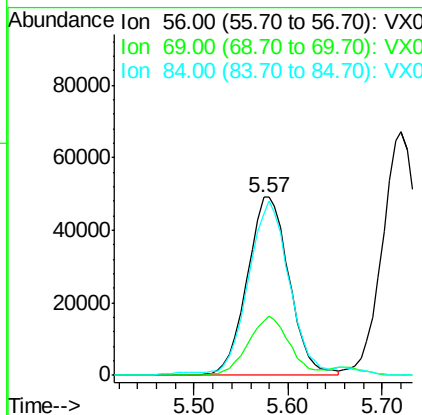
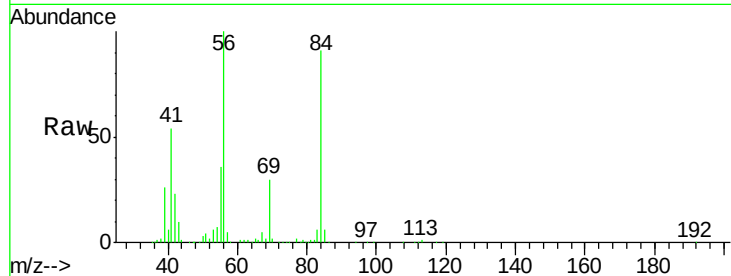
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	153263
Ion Ratio	Lower	Upper	
56	100		
69	30.3	25.9	38.9
84	89.3	78.0	117.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.608 ug/l

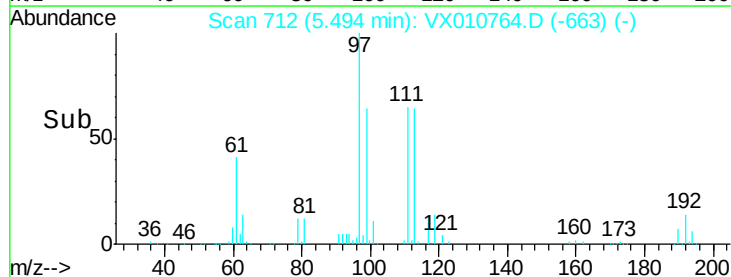
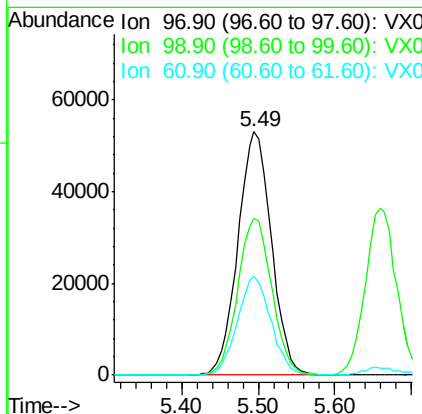
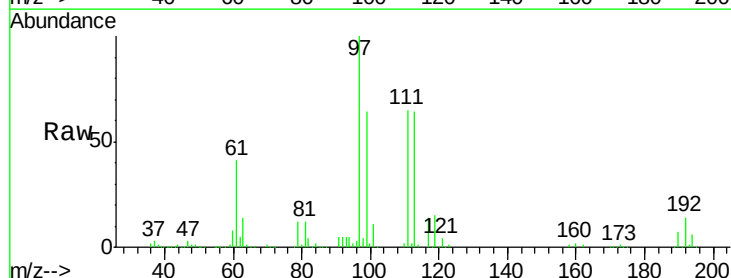
RT: 5.49 min Scan# 712

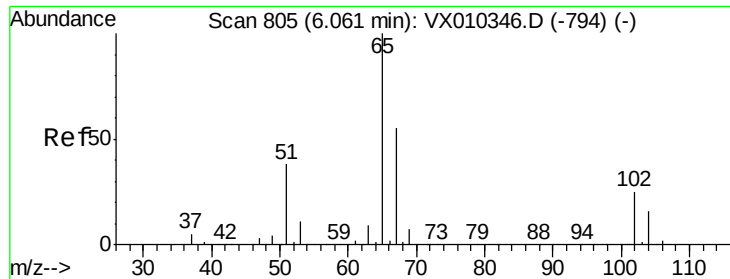
Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion:	97	Resp:	161650
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.8	77.8
61	40.8	32.1	48.1





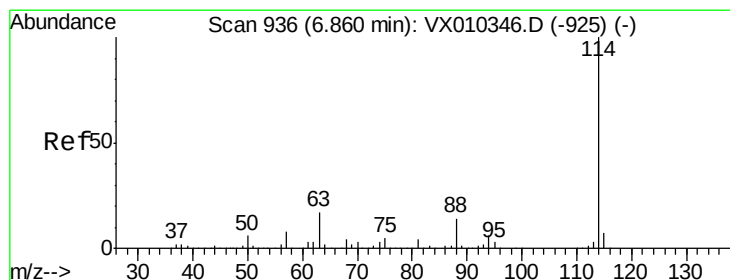
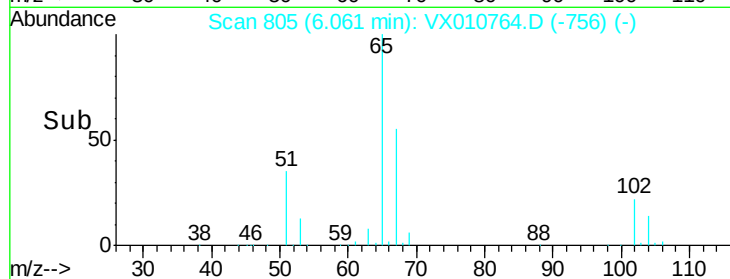
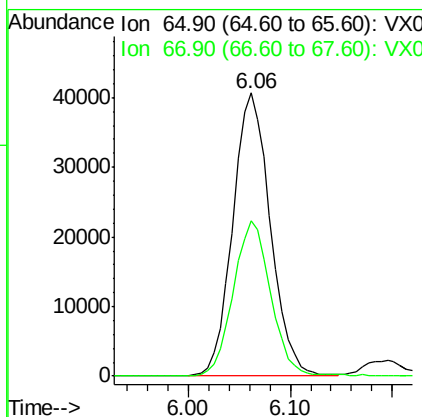
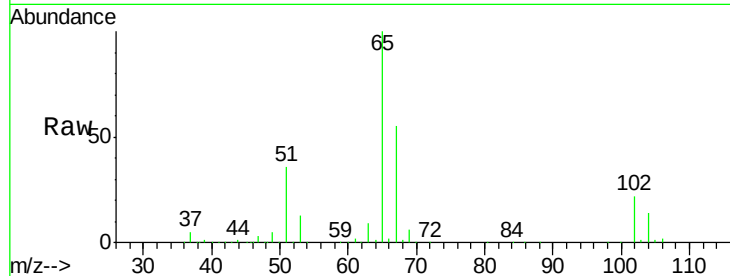
#33
 1,2-Dichloroethane-d4
 Concen: 52.897 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 65 Resp: 103907
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.2

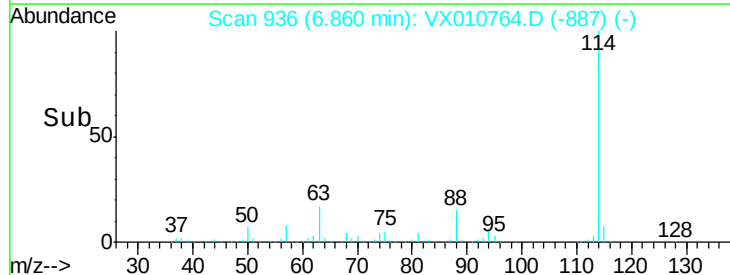
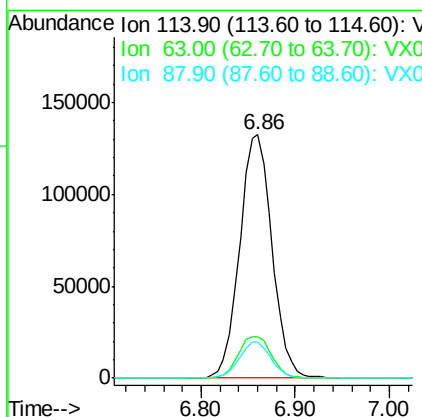
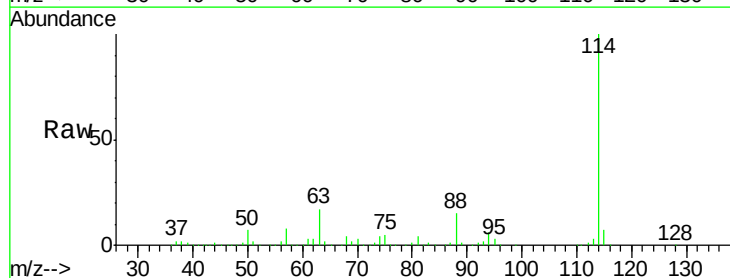
Manual Integrations
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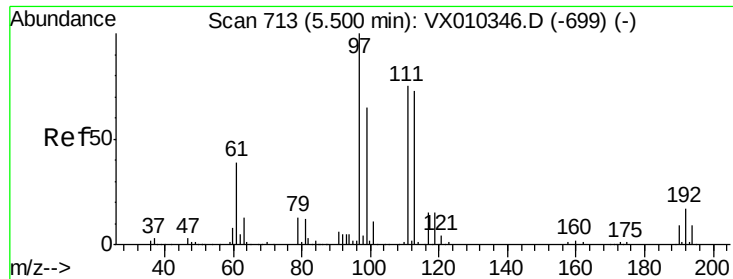
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion: 114 Resp: 317998
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 33.8
 88 14.7 0.0 27.6





#35

Dibromofluoromethane

Concen: 50.778 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

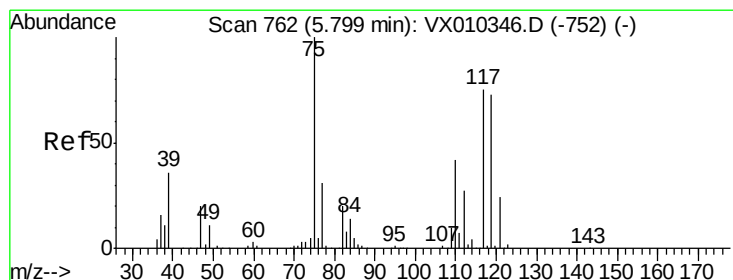
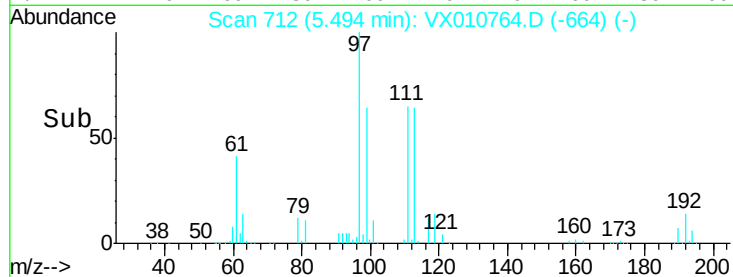
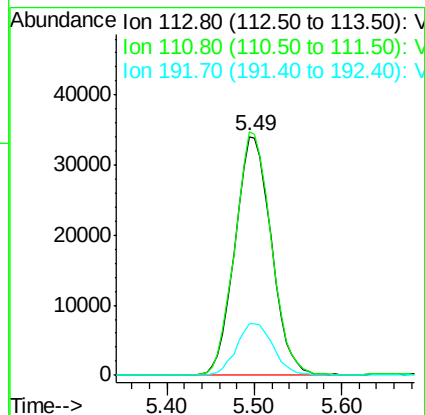
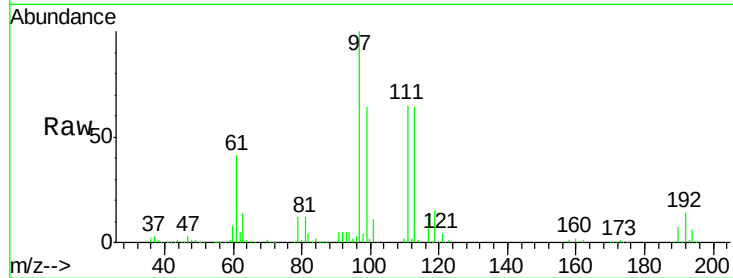
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	98795
Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.2	121.8
192	22.1	18.6	27.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.085 ug/l

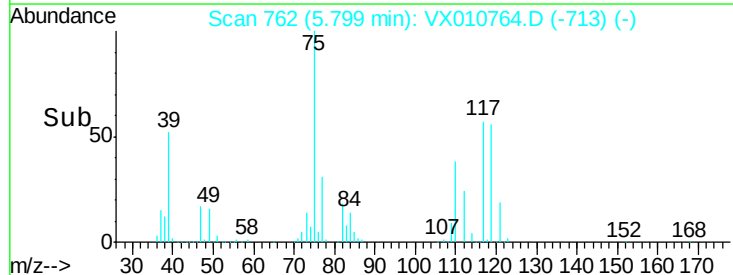
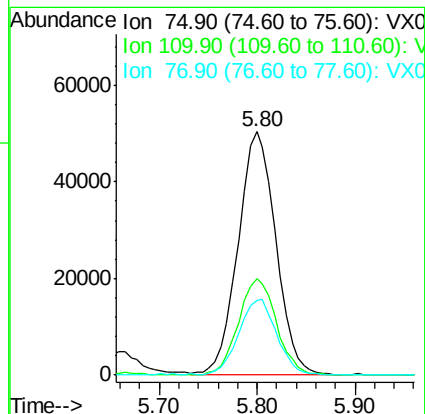
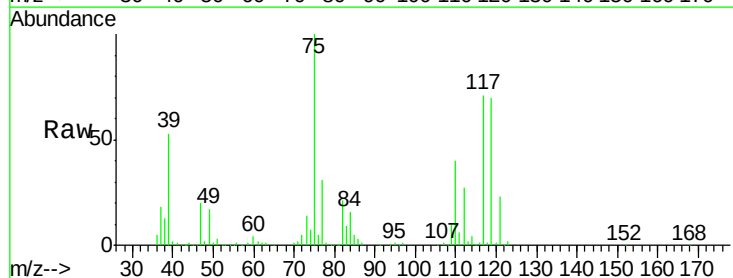
RT: 5.80 min Scan# 762

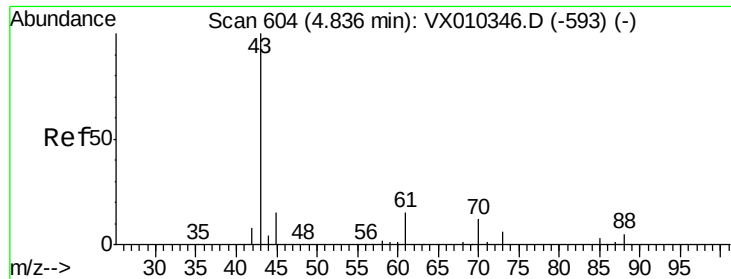
Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion:	75	Resp:	134145
Ion	Ratio	Lower	Upper
75	100		
110	40.2	20.8	62.2
77	31.7	25.4	38.0





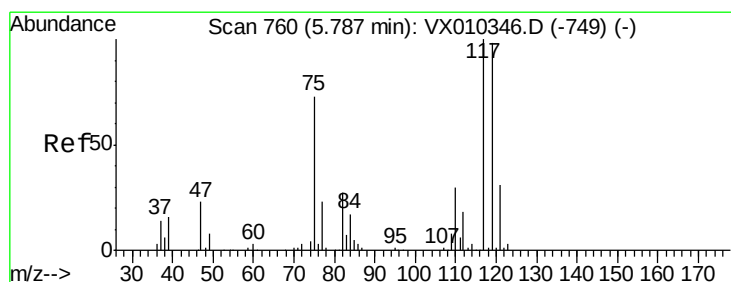
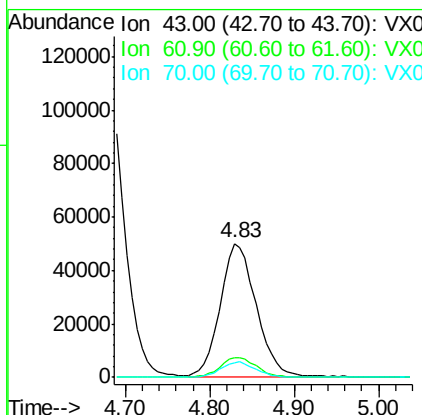
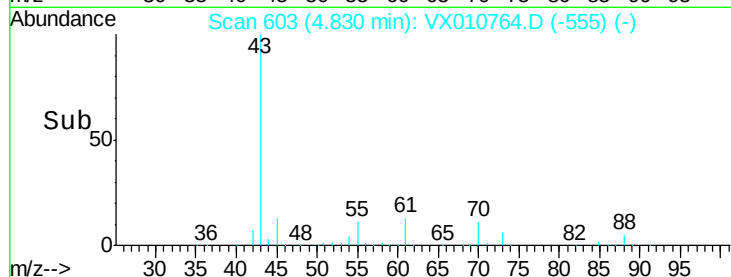
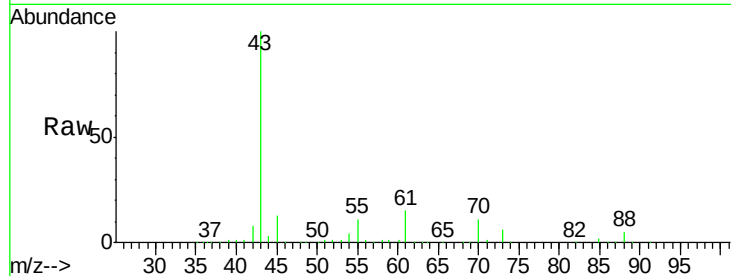
#37
Ethyl Acetate
Concen: 55.535 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.4	18.6
70	11.4	9.8	14.8

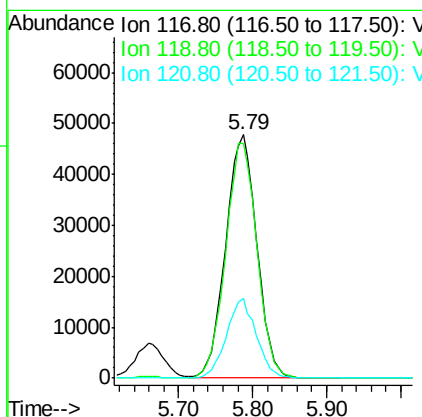
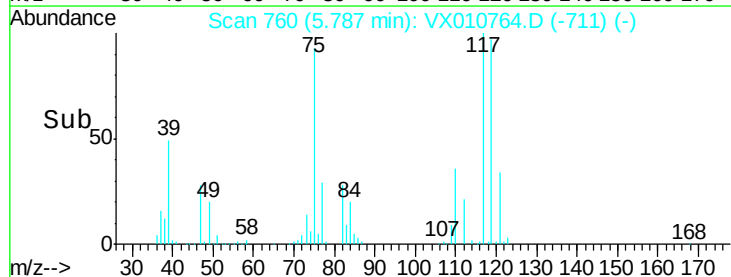
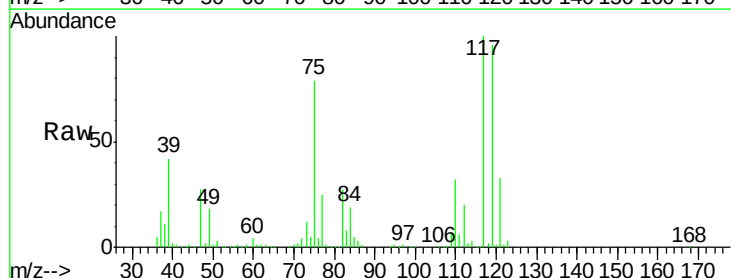
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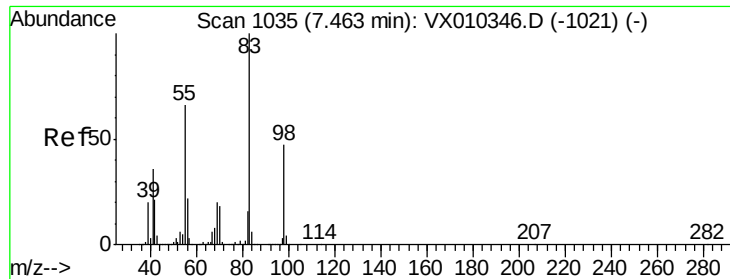
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#38
Carbon Tetrachloride
Concen: 51.212 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	78.2	117.4
121	33.0	24.7	37.1





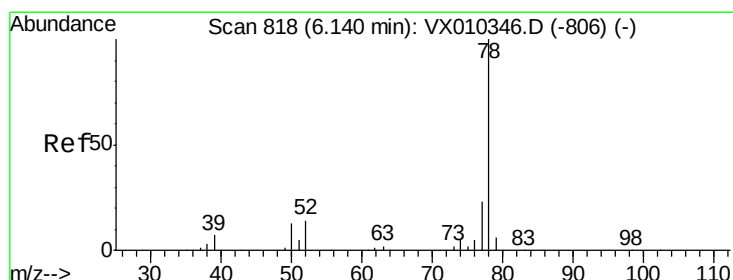
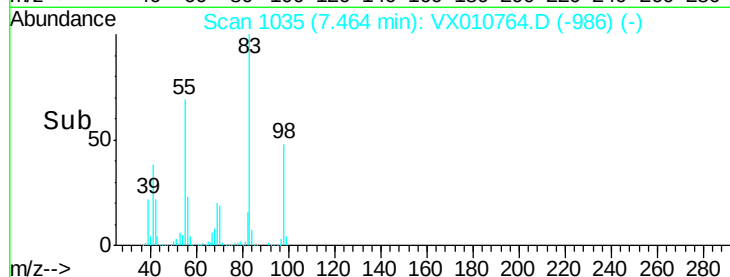
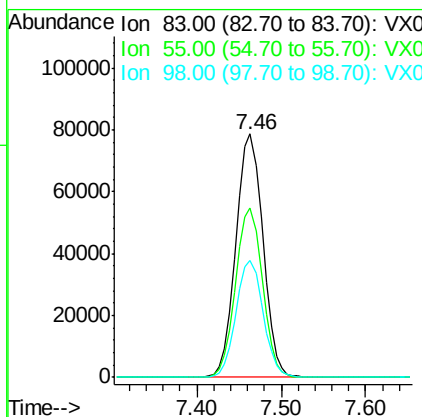
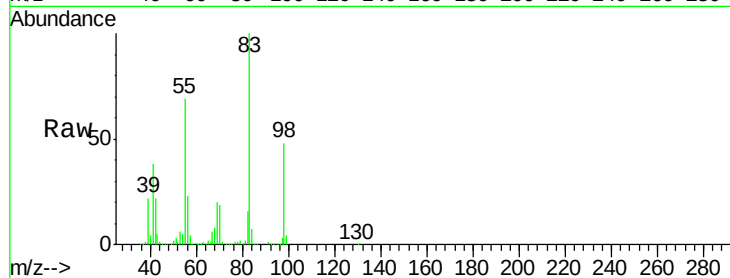
#39
Methylvlcyclohexane
Concen: 51.199 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	53.0	79.6
98	47.9	37.8	56.8

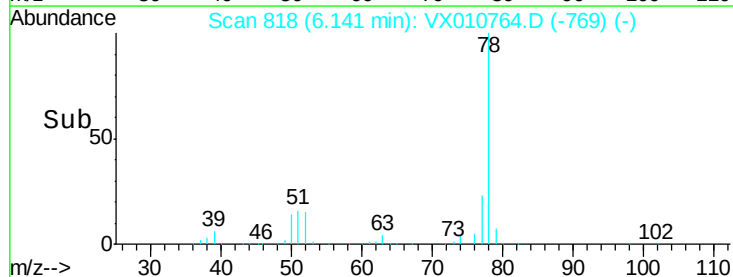
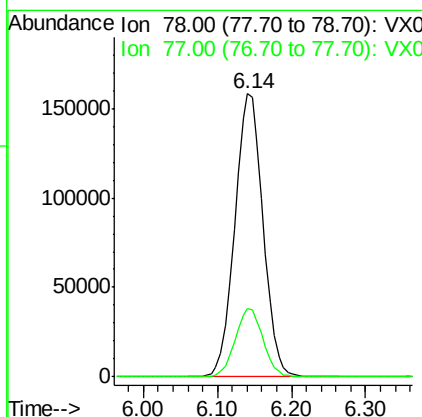
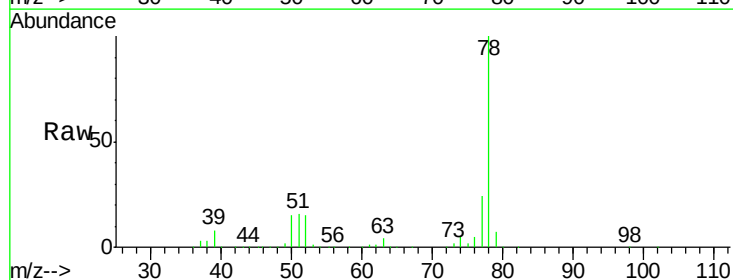
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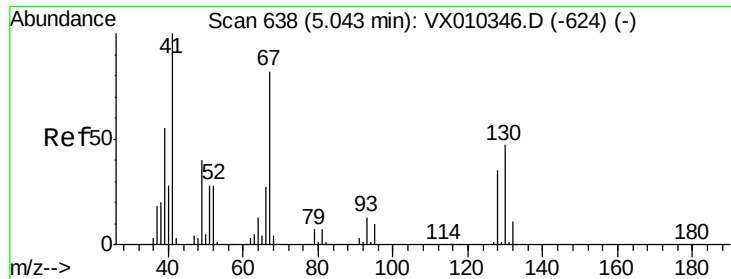
MMDadoda
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#40
Benzene
Concen: 53.305 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





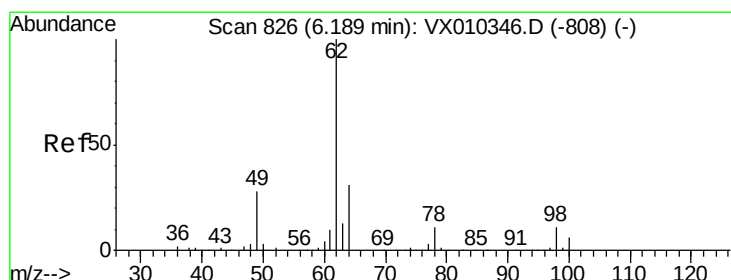
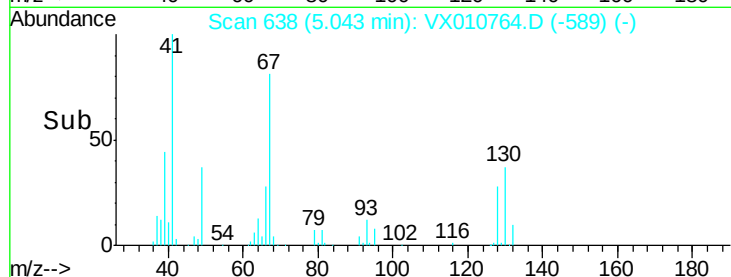
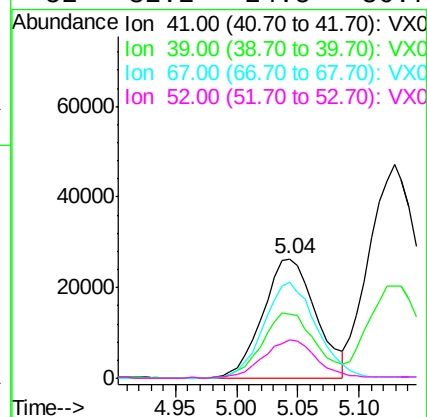
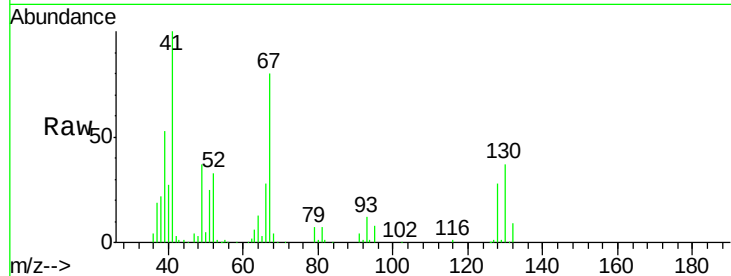
#41
Methacrylonitrile
Concen: 55.770 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.1	43.8	65.8	
67	80.9	66.6	100.0	
52	32.2	24.5	36.7	

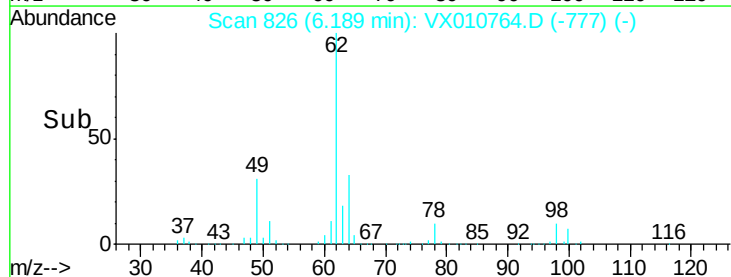
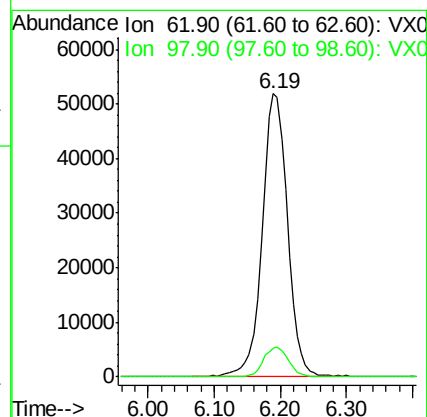
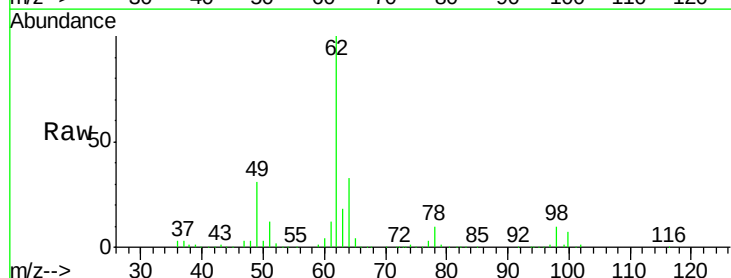
Manual Integrations
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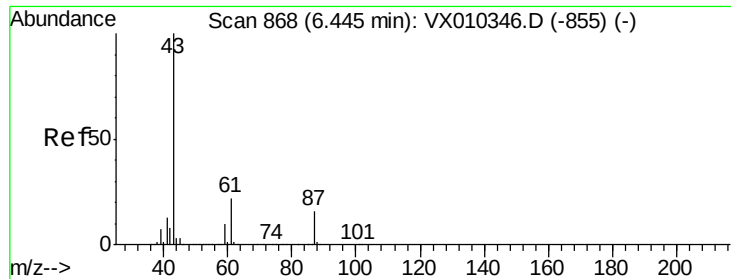
MMDadoda
7/10/2019 10:20:14 AM



#42
1,2-Dichloroethane
Concen: 57.608 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	22.2	





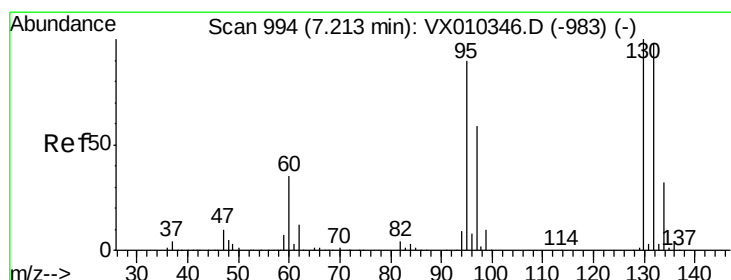
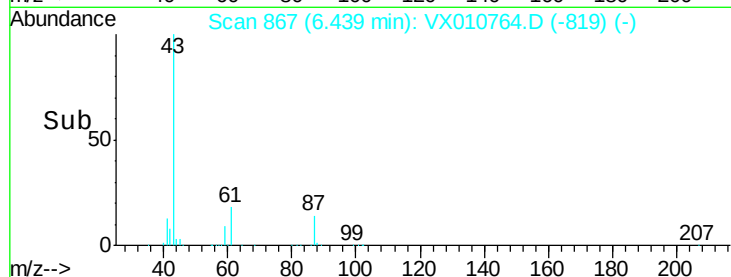
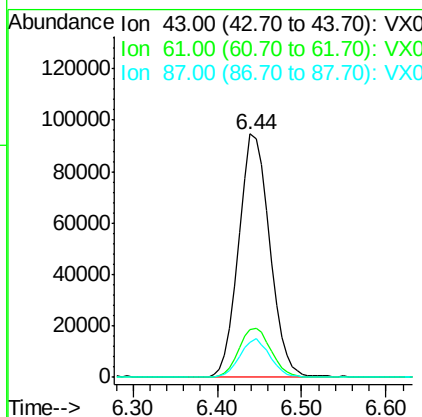
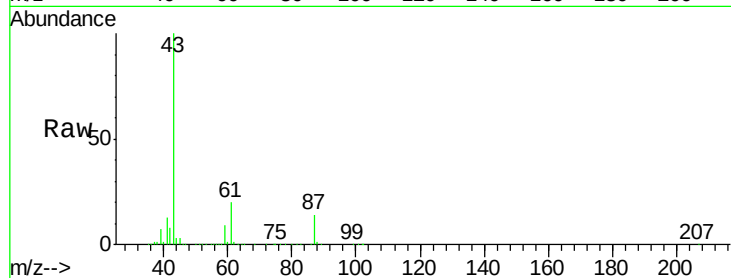
#43
Isopropyl Acetate
Concen: 54.571 ug/l
RT: 6.44 min Scan# 867
Delta R.T. -0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.3	17.8	26.6
87	15.5	13.0	19.4

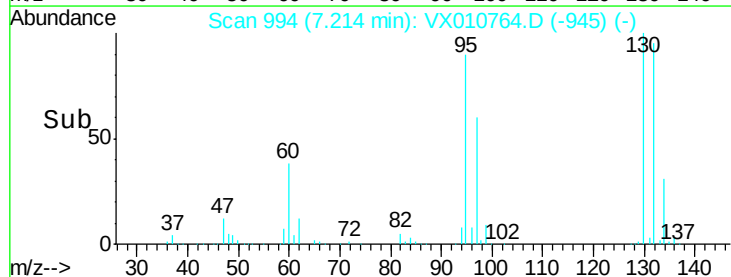
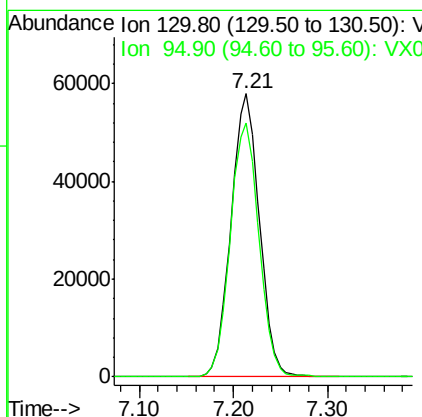
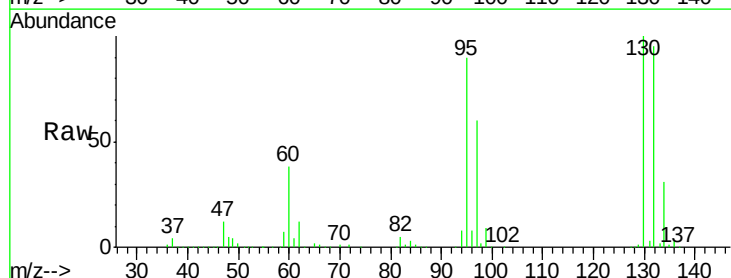
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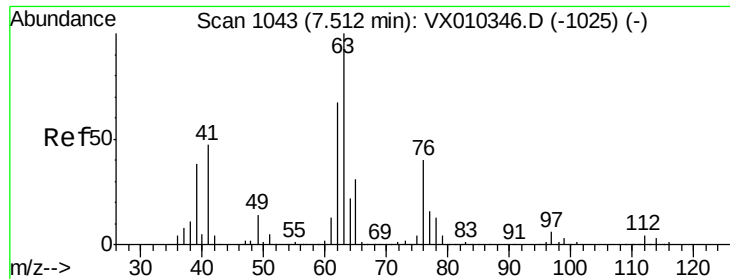
MMDadoda
7/10/2019 10:20:14 AM



#44
Trichloroethene
Concen: 51.519 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.8	0.0	180.8





#45

1,2-Dichloropropane

Concen: 53.241 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 105849

Ion Ratio Lower Upper

63 100

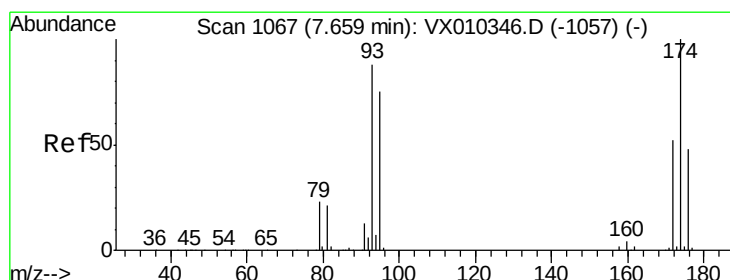
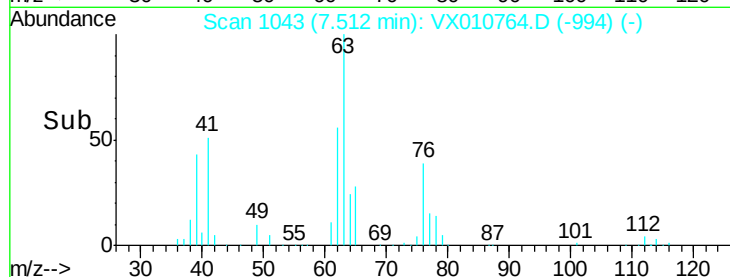
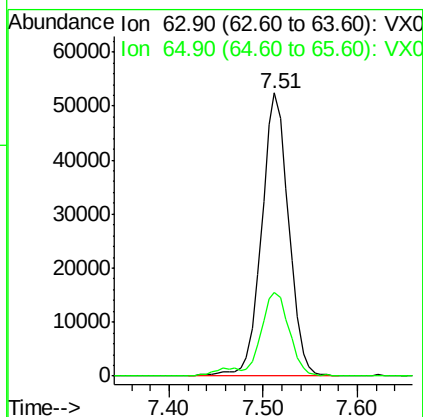
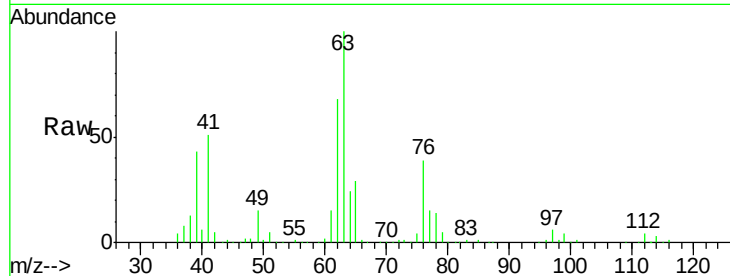
65 29.2 24.8 37.2

Manual Integrations

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MMDadoda

7/10/2019 10:20:14 AM



#46

Dibromomethane

Concen: 53.579 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

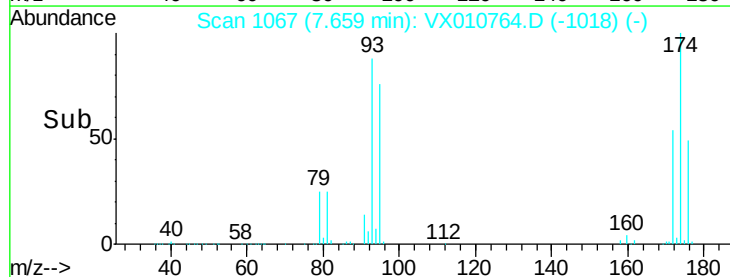
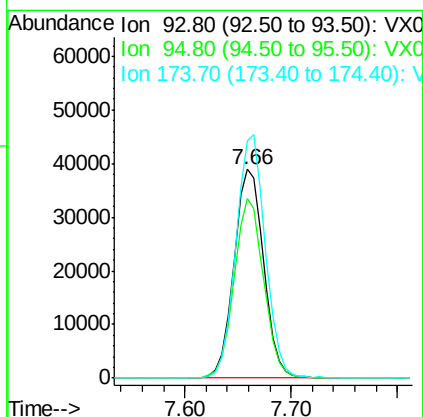
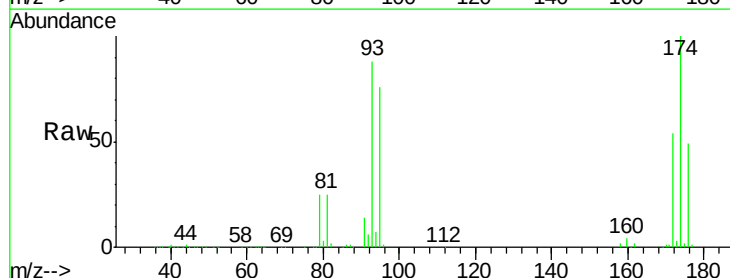
Tgt Ion: 93 Resp: 76425

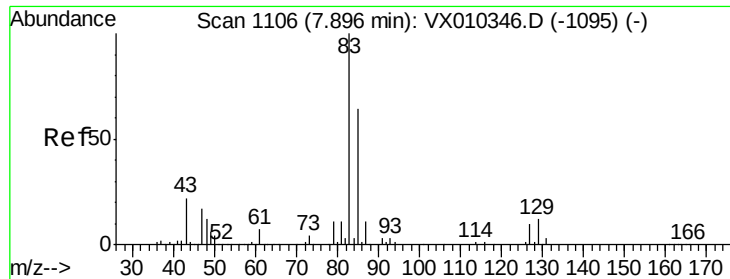
Ion Ratio Lower Upper

93 100

95 85.8 67.5 101.3

174 114.9 95.8 143.6





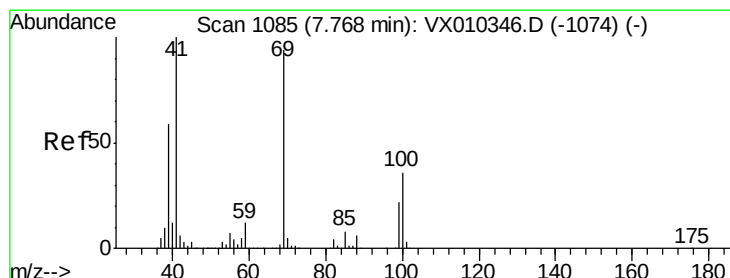
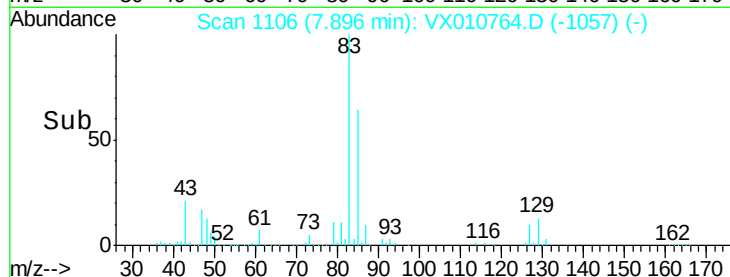
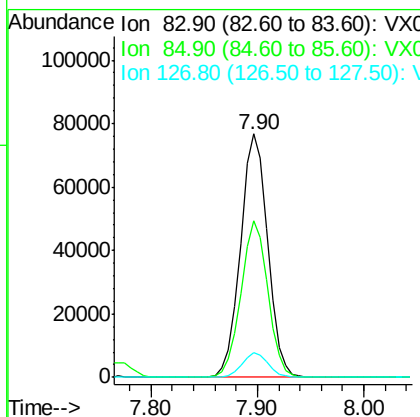
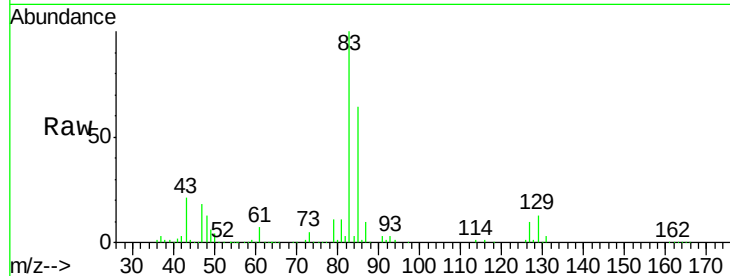
#47
Bromodichloromethane
Concen: 52.740 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	137865
Ion Ratio	100		
Lower	51.5		
Upper	77.3		
85	64.4		
127	10.3		

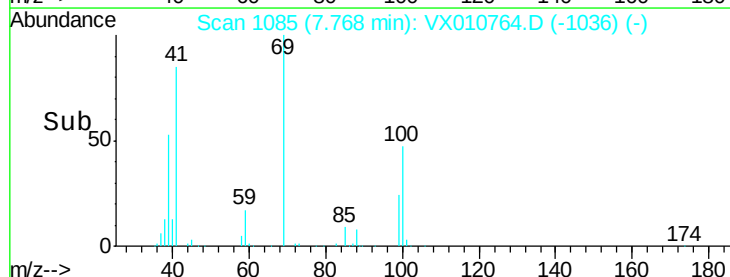
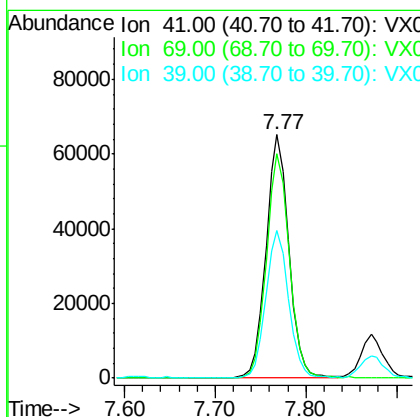
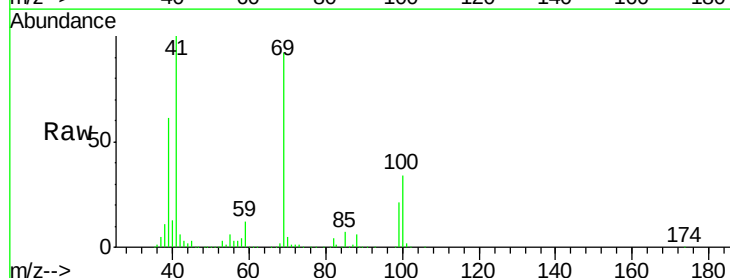
Manual Integrations
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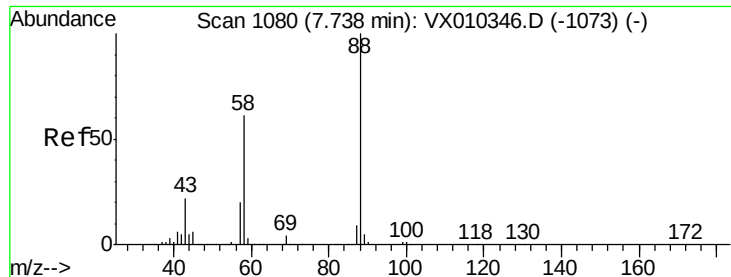
MMDadoda
7/10/2019 10:20:14 AM



#48
Methyl methacrylate
Concen: 56.992 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	41	Resp	113939
Ion Ratio	100		
Lower	76.1		
Upper	114.1		
69	92.3		
39	60.0		





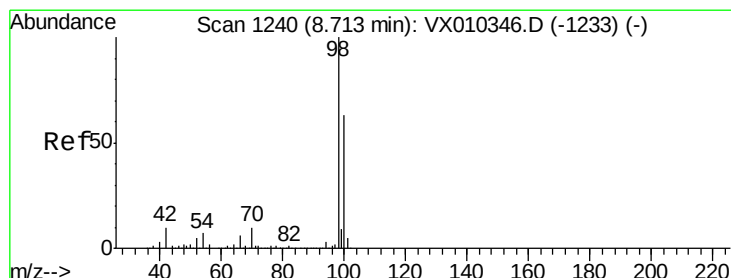
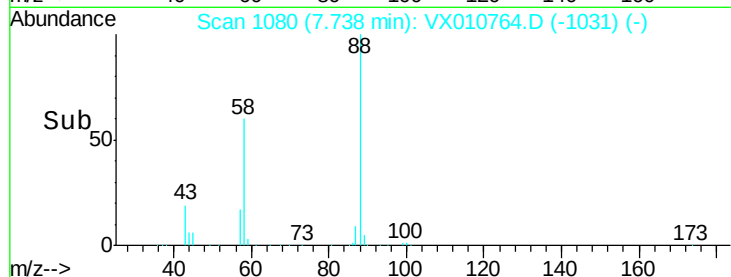
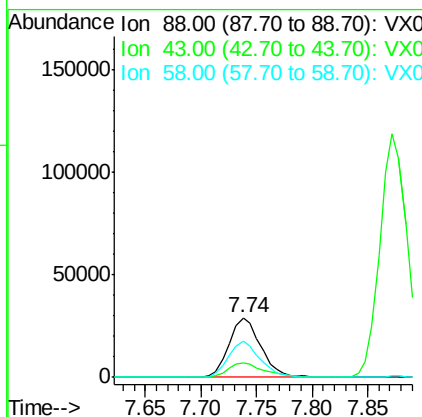
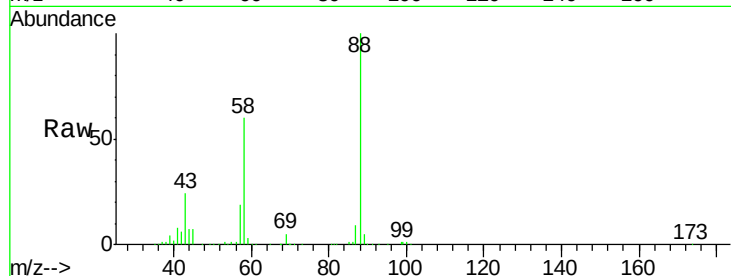
#49
1,4-Dioxane
Concen: 989.077 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.9	20.2	30.2
58	61.9	49.5	74.3

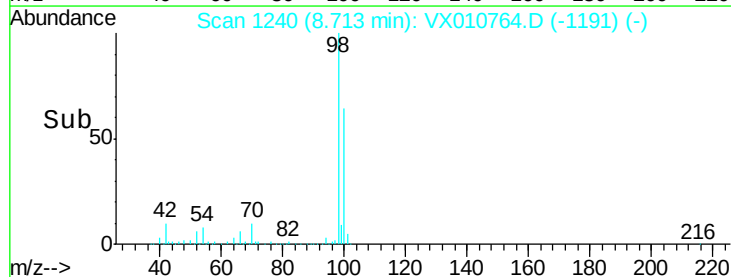
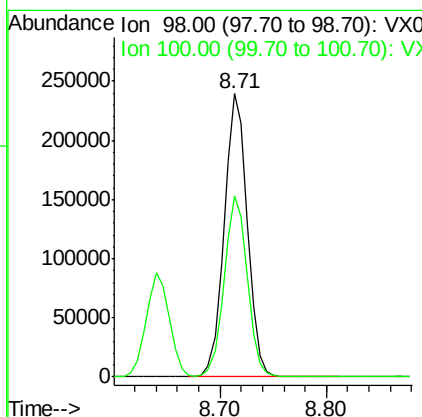
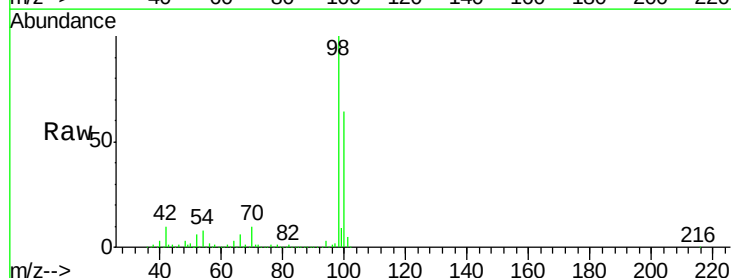
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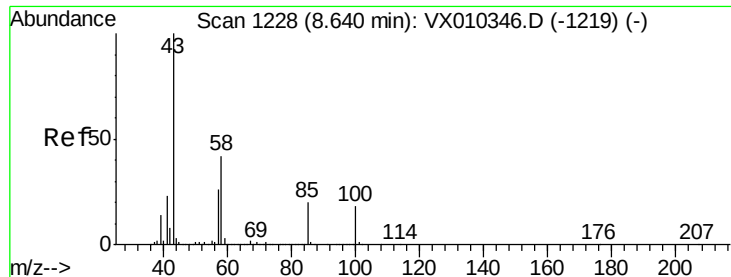
MMDadoda
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#50
Toluene-d8
Concen: 48.878 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.6	77.4





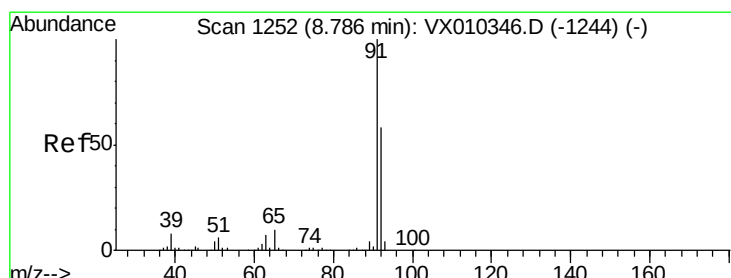
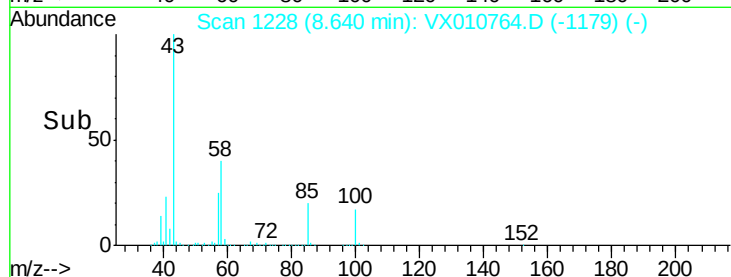
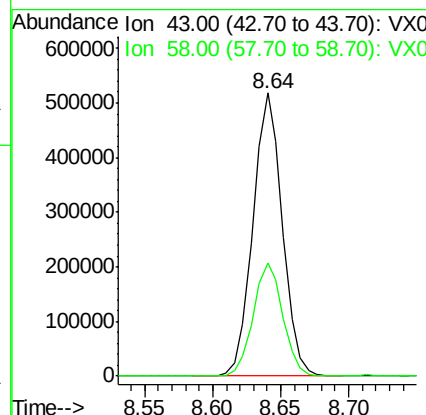
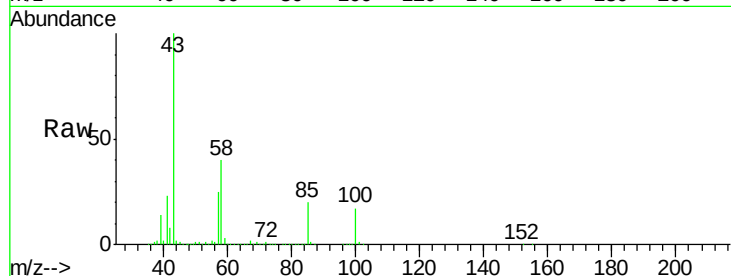
#51
4-Methyl-2-Pentanone
Concen: 284.731 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.5	33.5	50.3

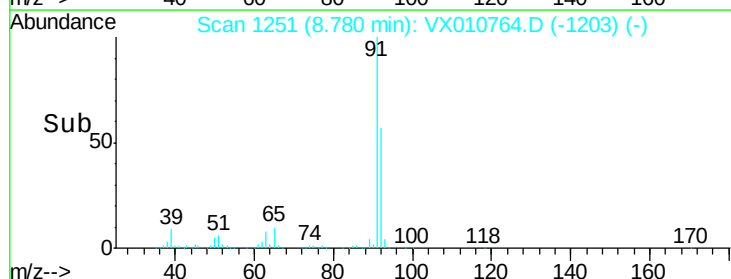
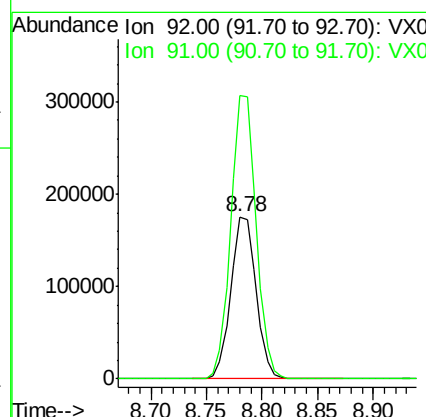
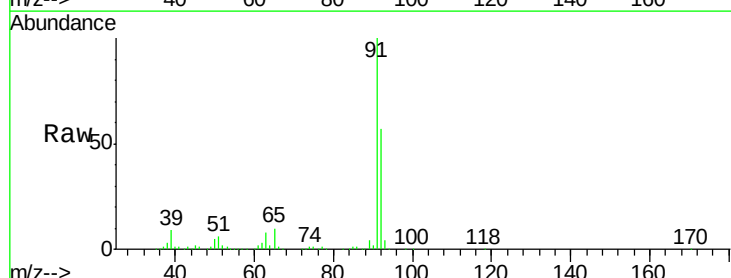
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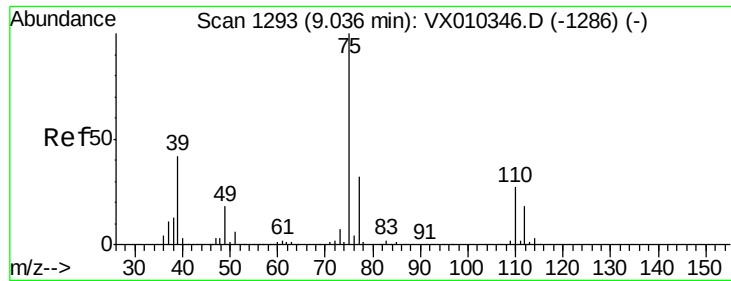
MMDadoda
7/10/2019 10:20:14 AM



#52
Toluene
Concen: 53.149 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.4	139.8	209.6





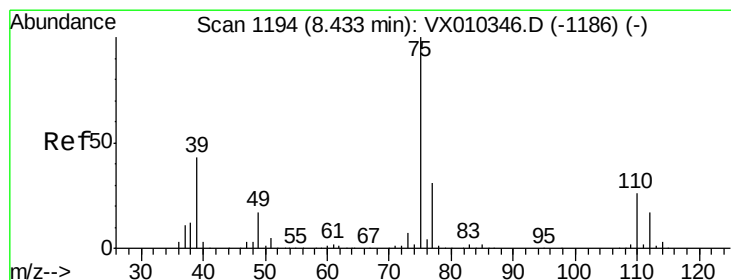
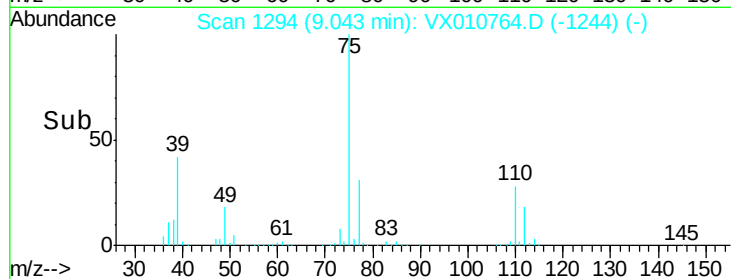
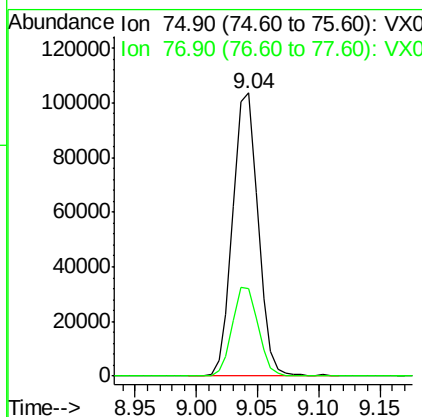
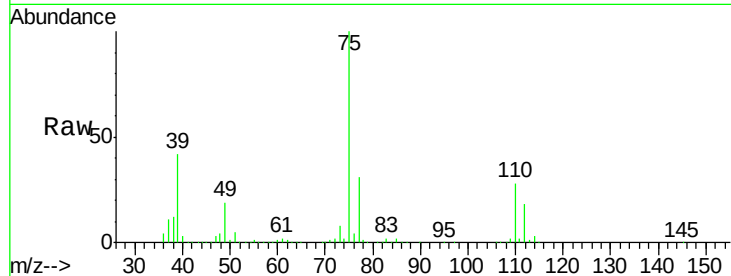
#53
t-1,3-Dichloropropene
Concen: 50.703 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 148597
Ion Ratio Lower Upper
75 100
77 31.1 25.4 38.2

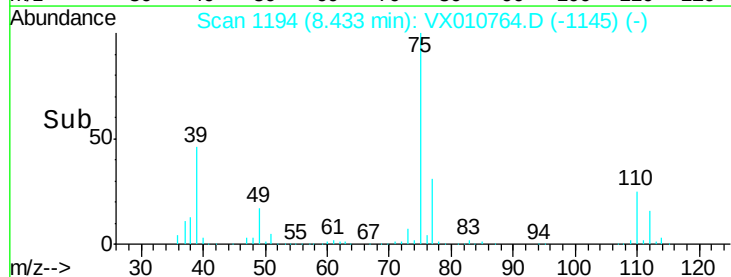
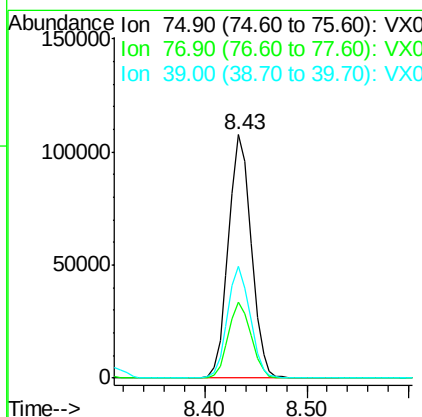
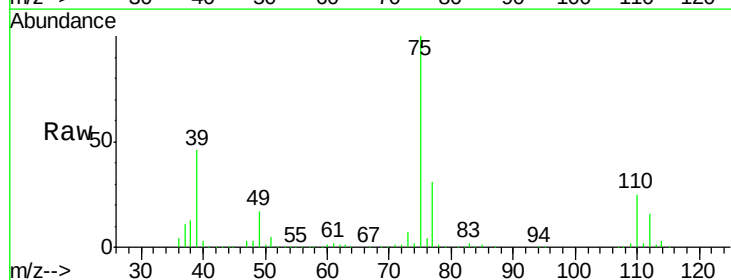
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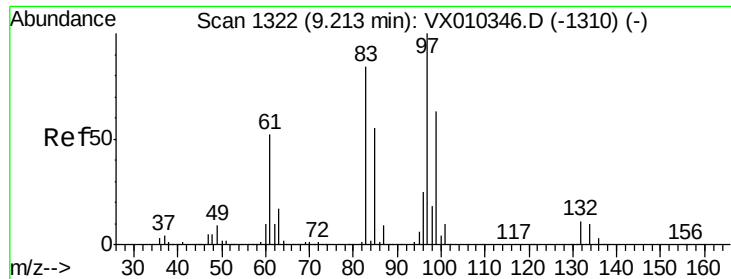
MMDadoda
7/10/2019 10:20:14 AM



#54
cis-1,3-Dichloropropene
Concen: 52.423 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion: 75 Resp: 166962
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8
39 45.8 34.5 51.7





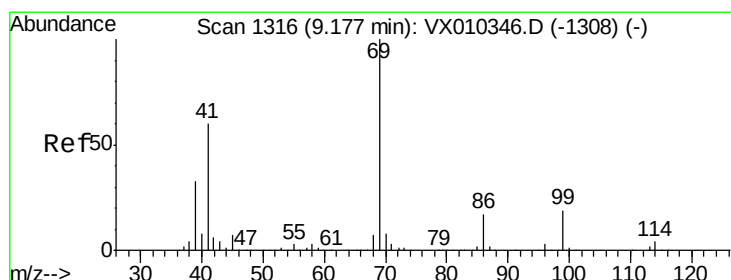
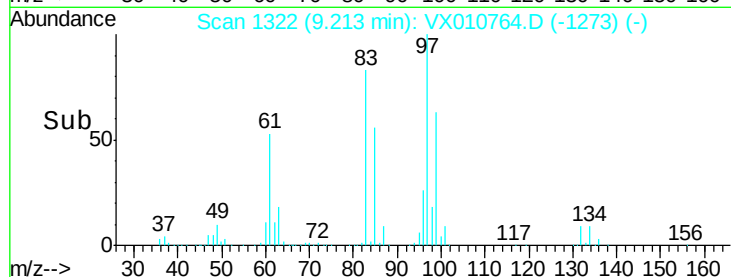
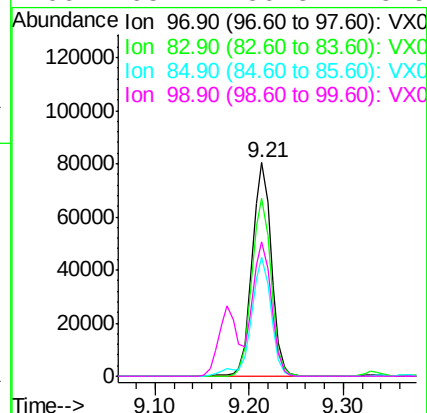
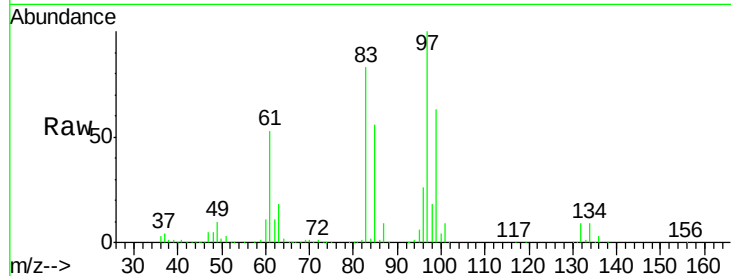
#55
 1,1,2-Trichloroethane
 Concen: 54.103 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	115683
Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.4	101.0
85	55.8	43.8	65.8
99	63.2	50.3	75.5

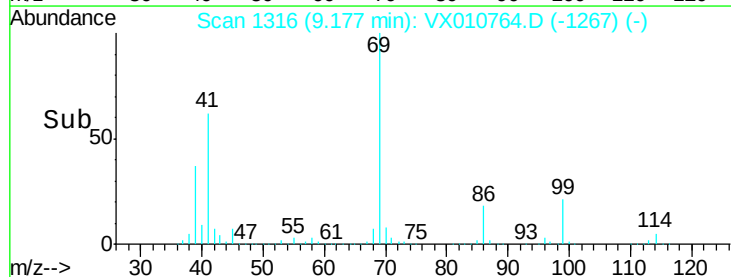
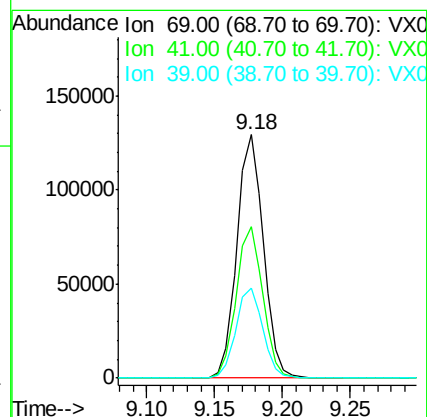
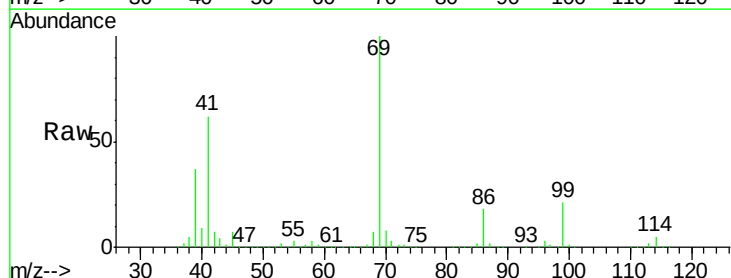
Manual Integrations
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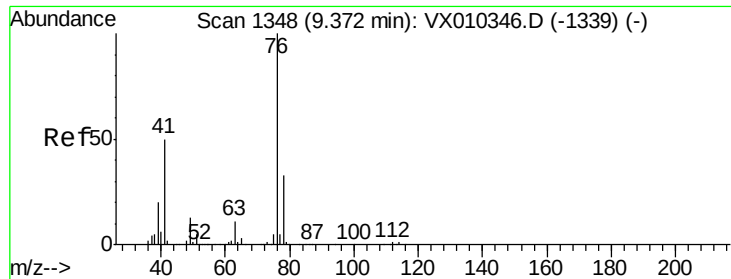
MMDadoda
 7/10/2019 10:20:14 AM



#56
 Ethyl methacrylate
 Concen: 54.243 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion:	69	Resp:	175696
Ion	Ratio	Lower	Upper
69	100		
41	62.0	47.1	70.7
39	37.3	26.6	40.0





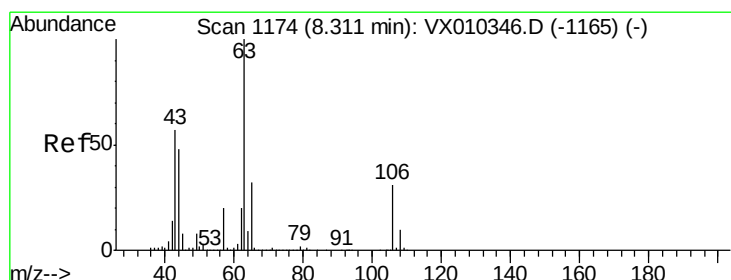
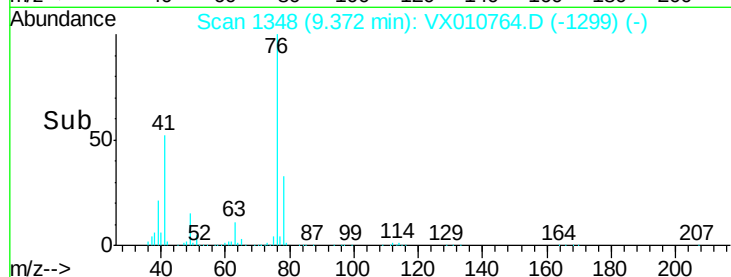
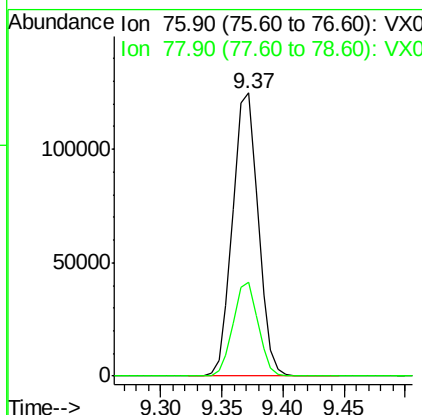
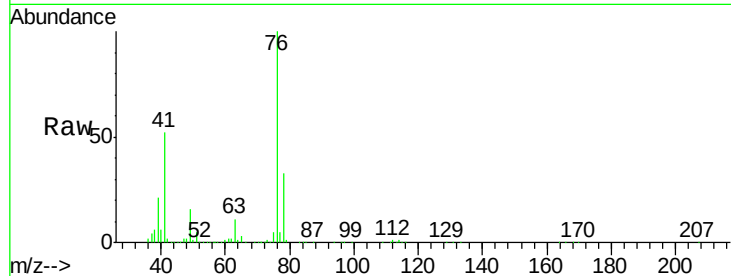
#57
 1,3-Dichloropropane
 Concen: 54.325 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 180310
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.1 39.1

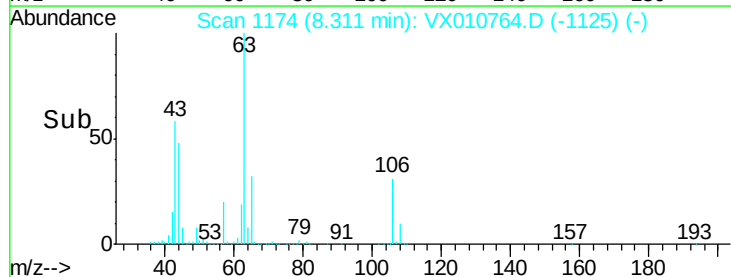
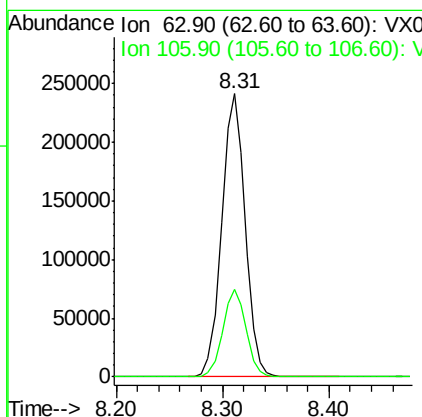
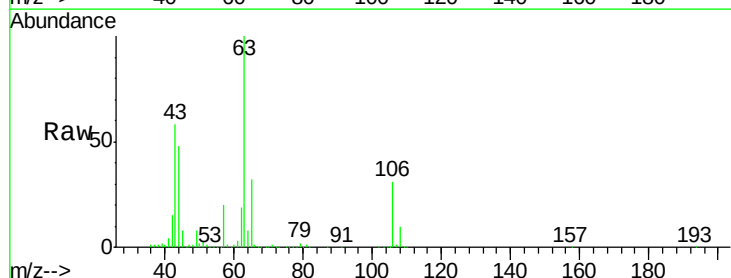
Manual Integrations
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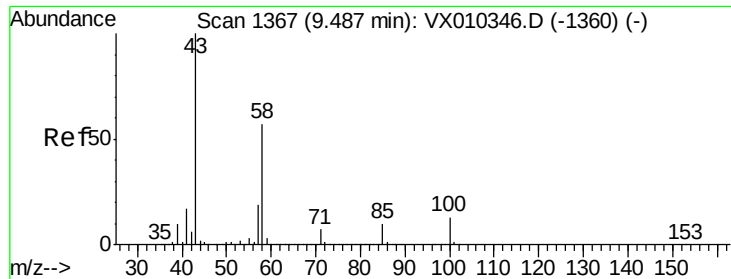
MMDadoda
 7/10/2019 10:20:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.843 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion: 63 Resp: 370496
 Ion Ratio Lower Upper
 63 100
 106 30.5 24.7 37.1





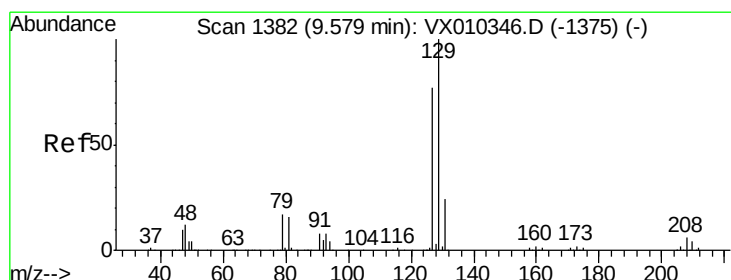
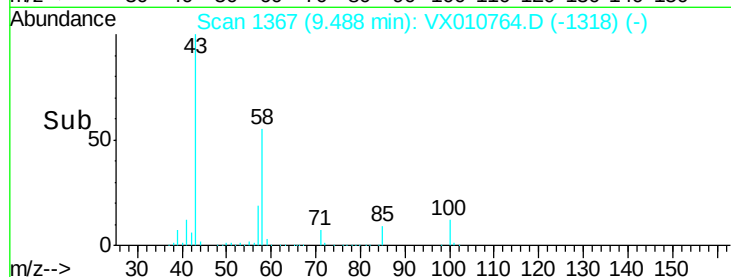
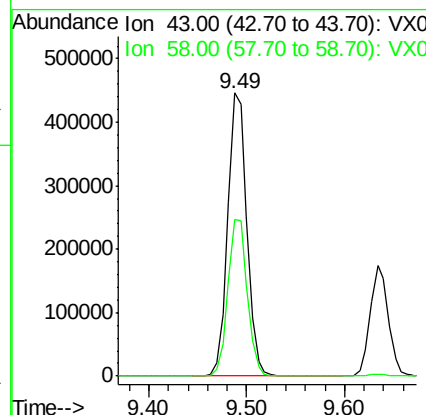
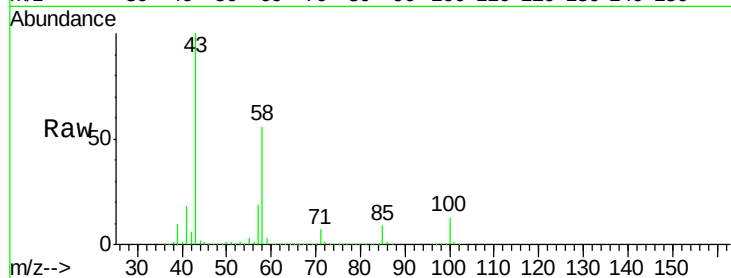
#59
2-Hexanone
Concen: 279.349 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 604788
Ion Ratio Lower Upper
43 100
58 56.2 29.0 87.1

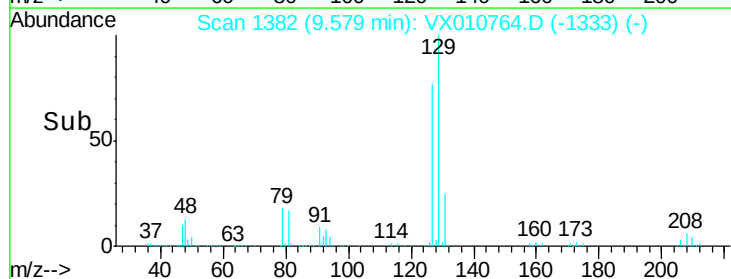
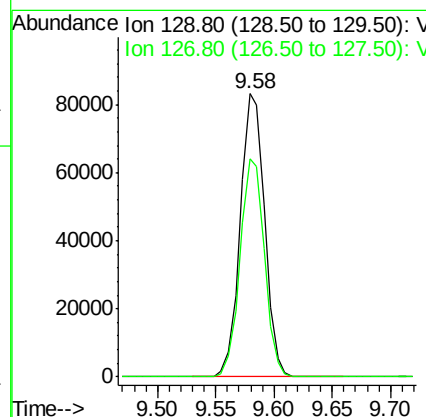
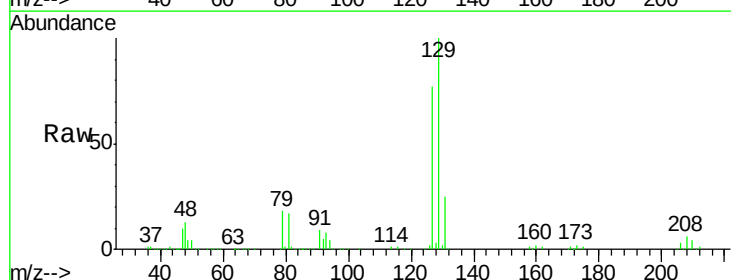
Manual Integrations
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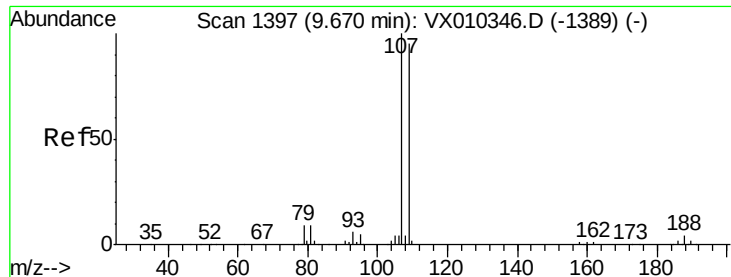
MMDadoda
7/10/2019 10:20:14 AM



#60
Dibromochloromethane
Concen: 50.787 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion: 129 Resp: 121587
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





#61

1,2-Dibromoethane

Concen: 54.233 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 125167

Ion Ratio Lower Upper

107 100

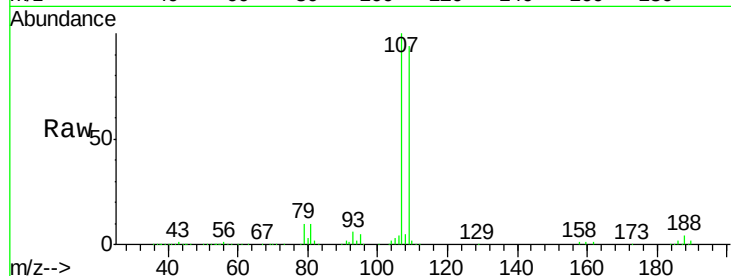
109 95.1 75.8 113.6

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

100000

80000

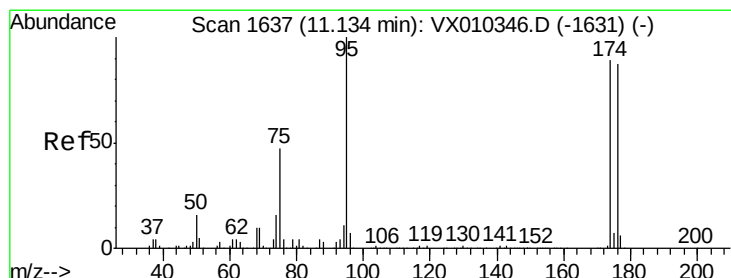
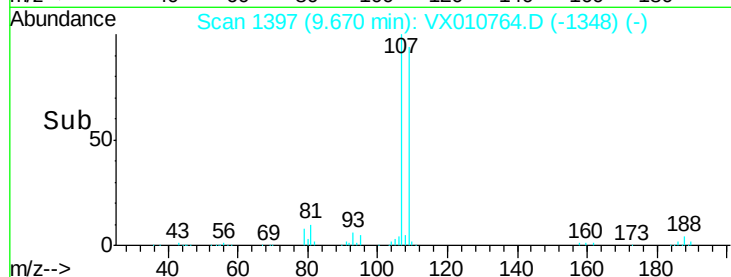
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.965 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

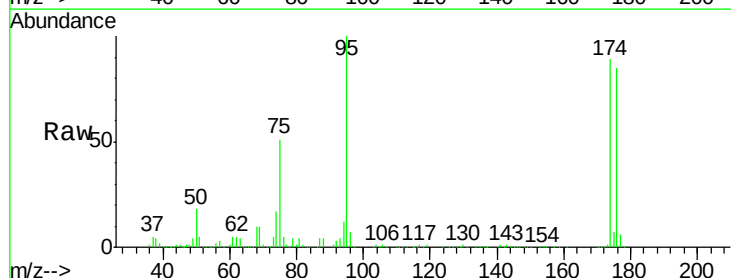
Tgt Ion: 95 Resp: 139647

Ion Ratio Lower Upper

95 100

174 92.8 0.0 187.6

176 88.9 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

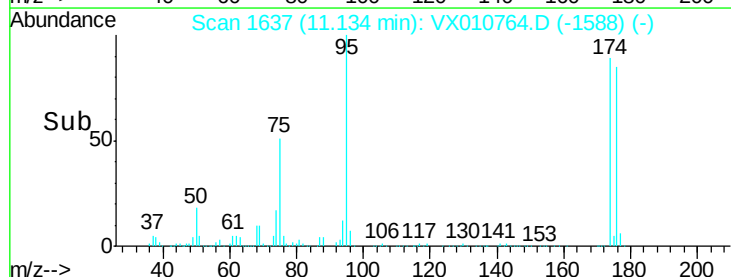
150000

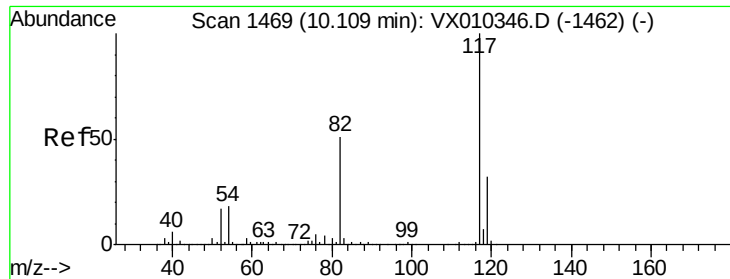
100000

50000

0

Time-->





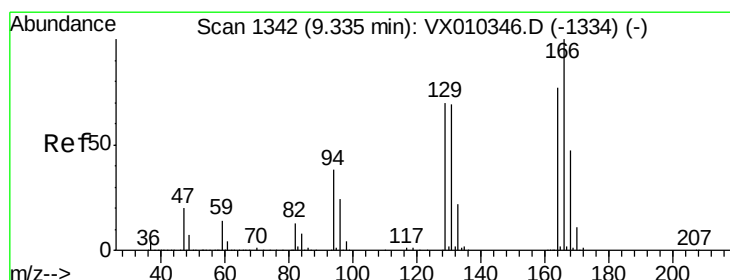
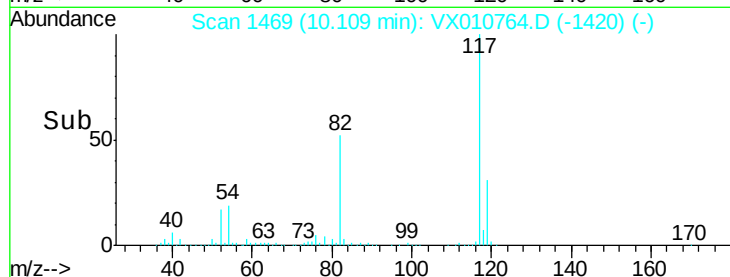
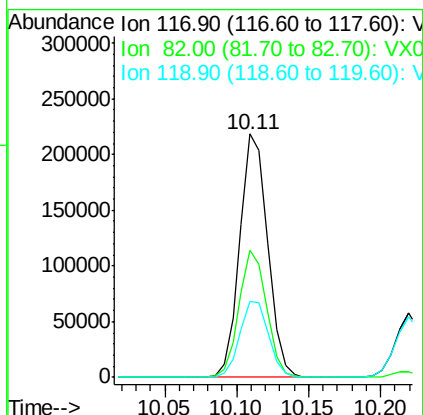
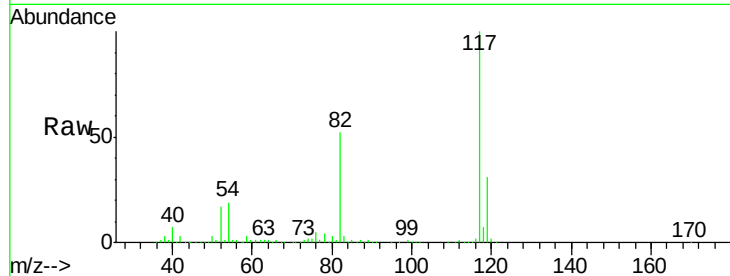
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	293980		
82	52.0		41.2	61.8
119	31.0		25.5	38.3

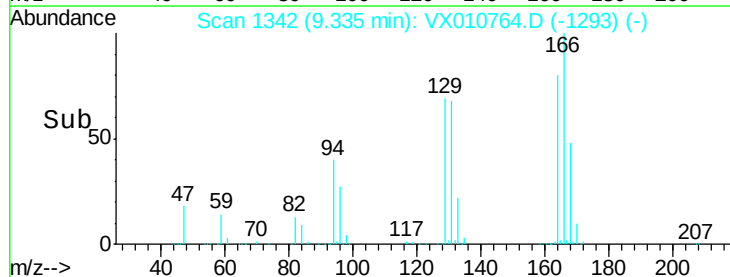
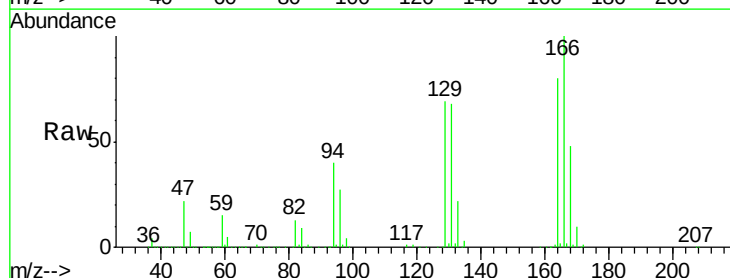
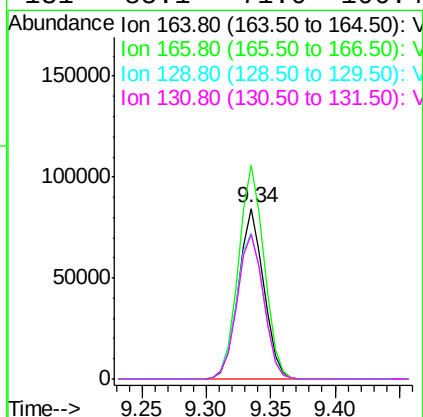
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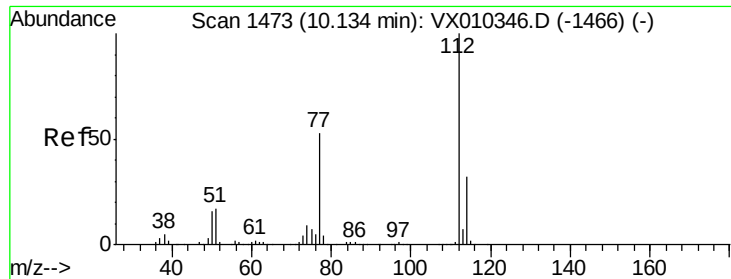
MMDadoda
7/10/2019 10:20:14 AM



#64
Tetrachloroethene
Concen: 48.321 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	114897		
166	125.2		103.6	155.4
129	85.8		73.0	109.4
131	85.1		71.0	106.4





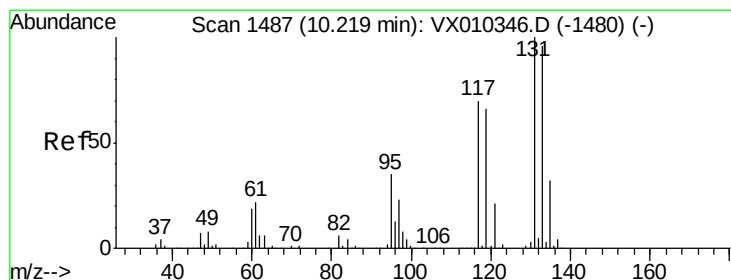
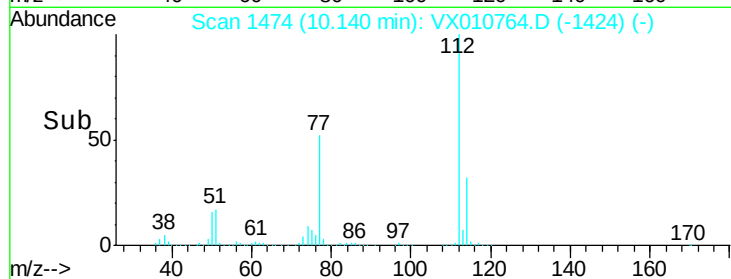
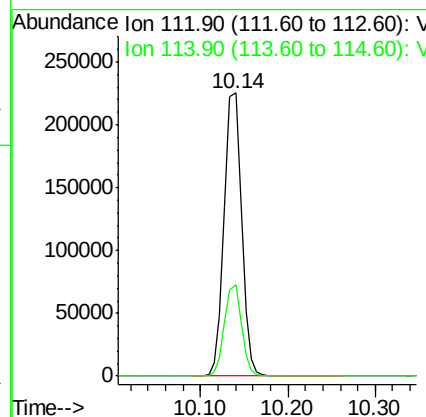
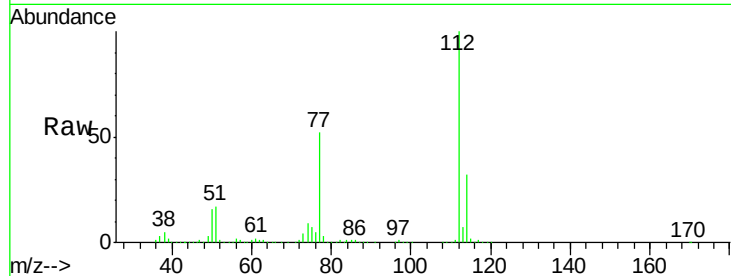
#65
Chlorobenzene
Concen: 52.211 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

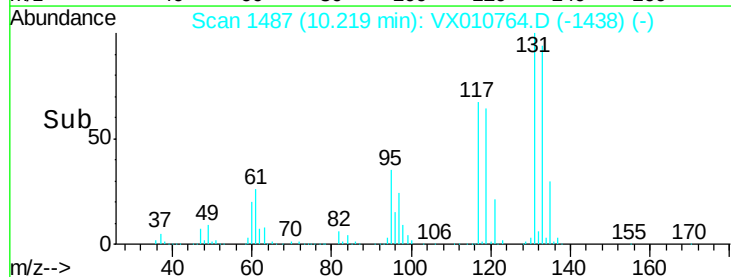
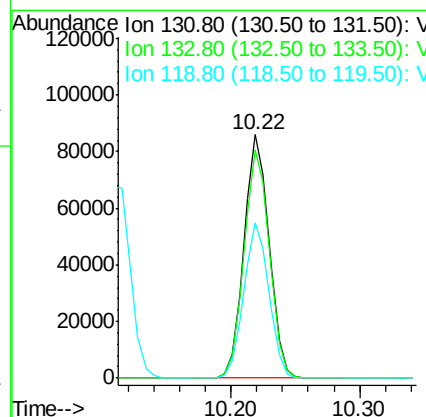
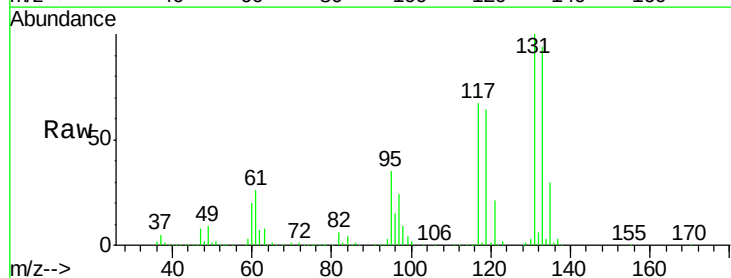
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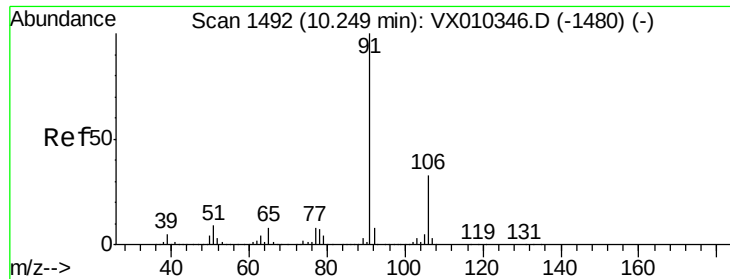
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.136 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.7	143.1
119	64.0	32.6	97.7





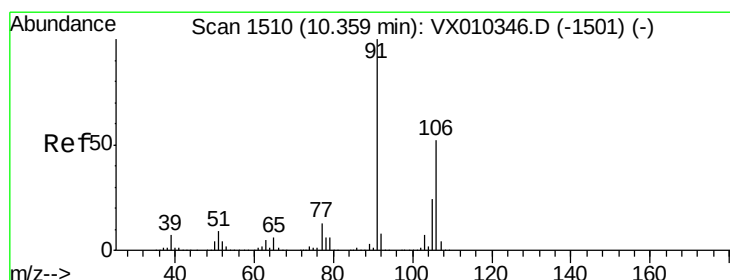
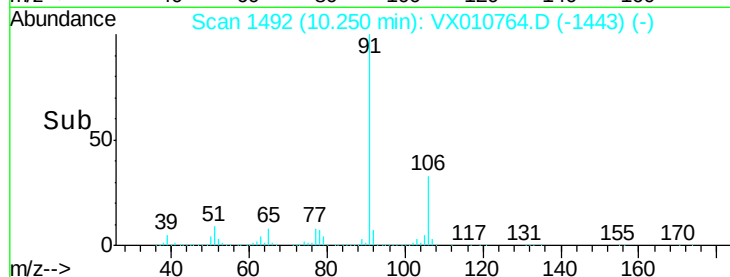
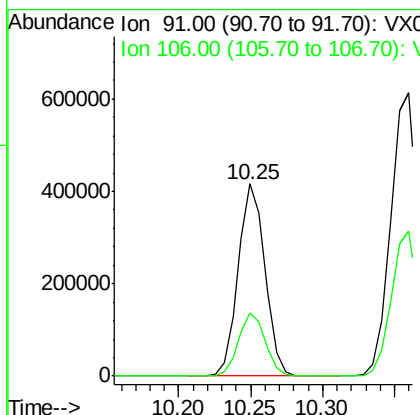
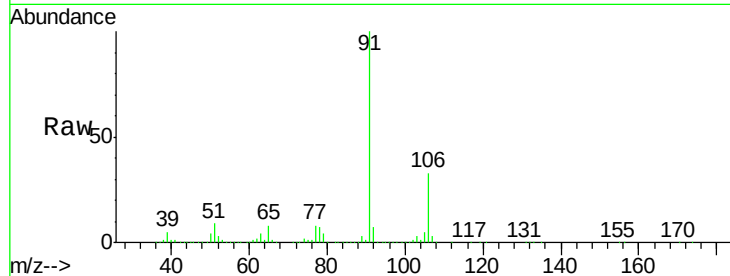
#67
Ethyl Benzene
Concen: 53.543 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 539495
Ion Ratio Lower Upper
91 100
106 32.6 26.2 39.2

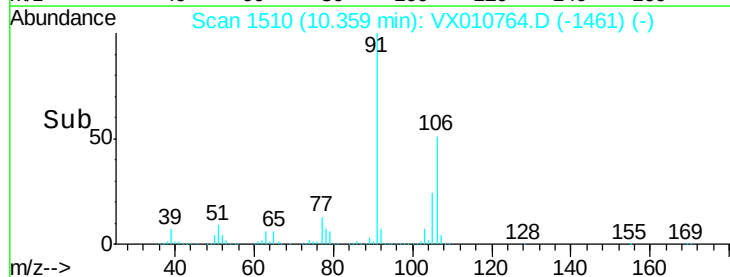
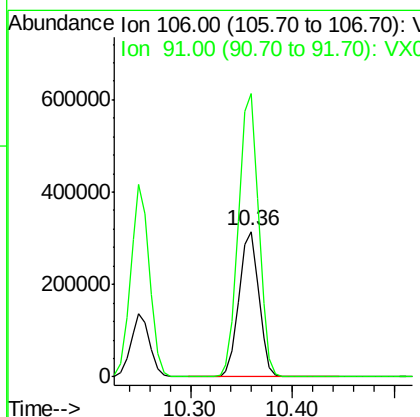
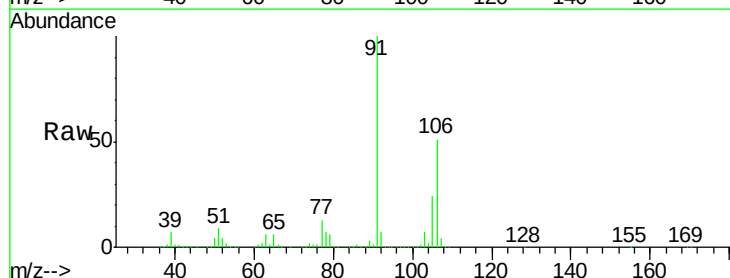
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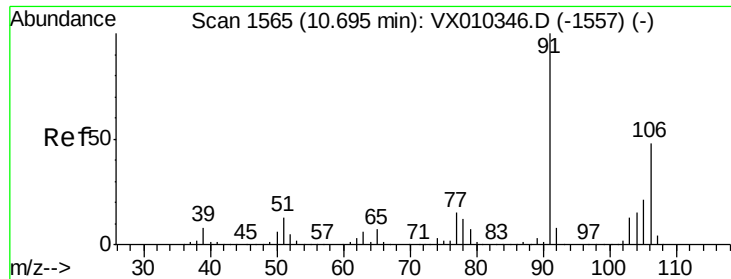
MMDadoda
7/10/2019 10:20:14 AM



#68
m/p-Xylenes
Concen: 107.696 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion: 106 Resp: 420464
Ion Ratio Lower Upper
106 100
91 197.4 155.3 232.9





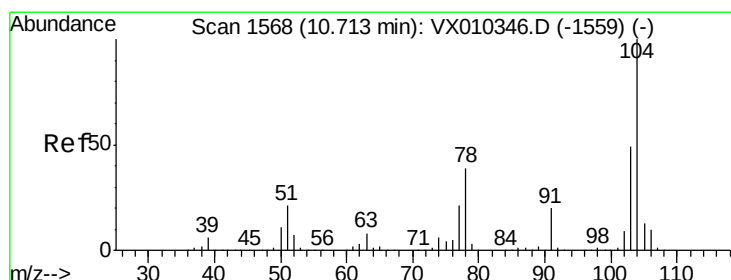
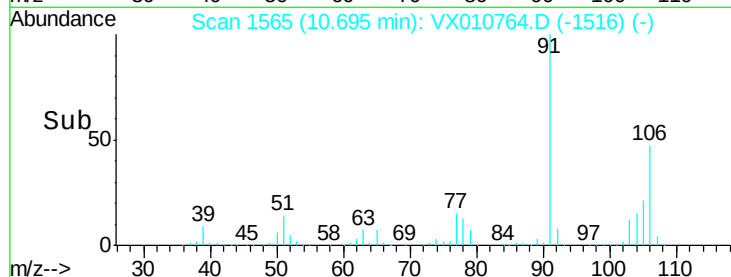
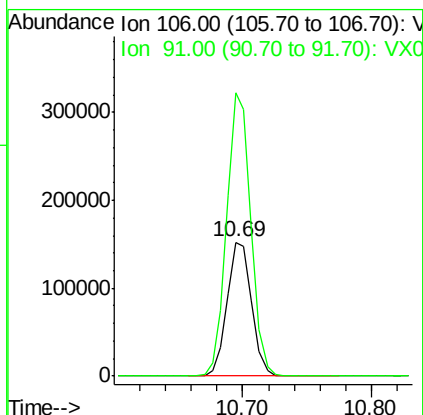
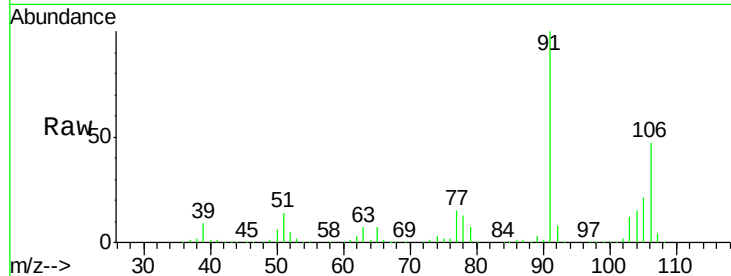
#69
o-Xylene
Concen: 53.180 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.2	102.7	308.1	

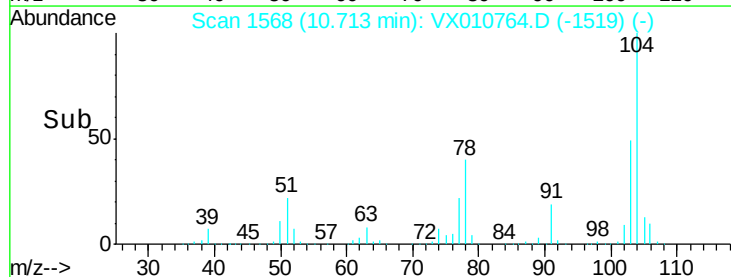
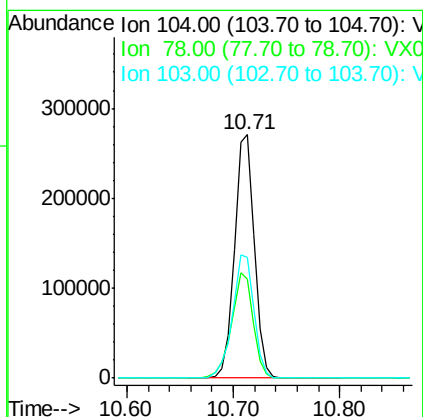
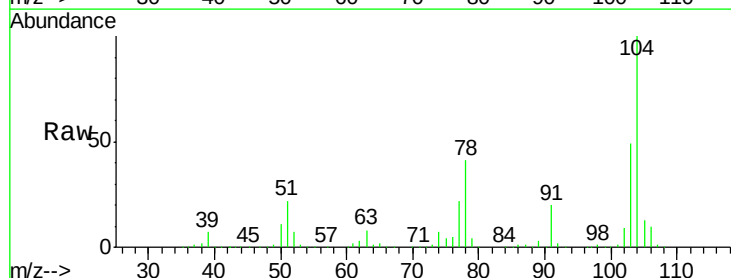
Manual Integrations
APPROVED

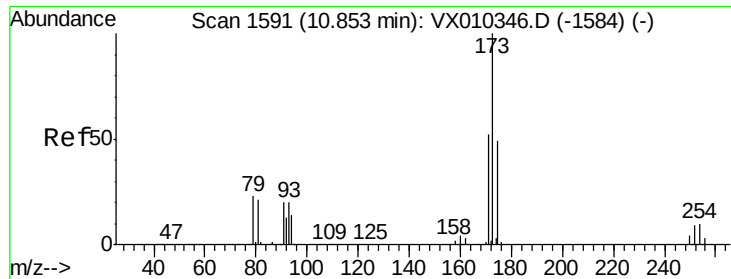
MMDadoda
7/10/2019 10:20:14 AM



#70
Styrene
Concen: 54.951 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.1	36.2	54.2	
103	55.1	44.2	66.4	





#71

Bromoform

Concen: 48.865 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 92381

Ion Ratio Lower Upper

173 100

175 49.8 24.1 72.3

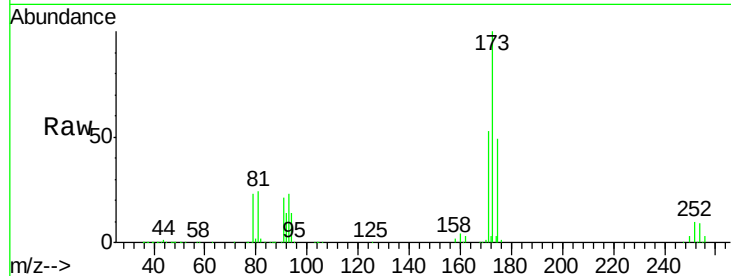
254 0.1 0.2 0.2#

Manual Integrations

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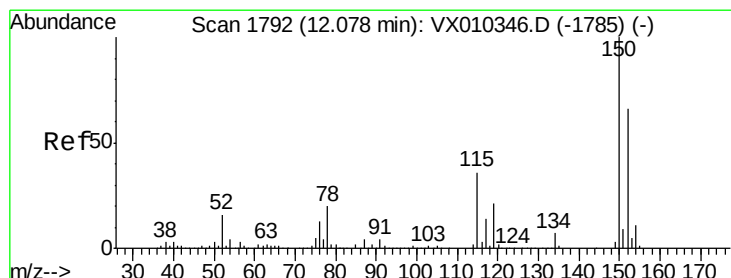
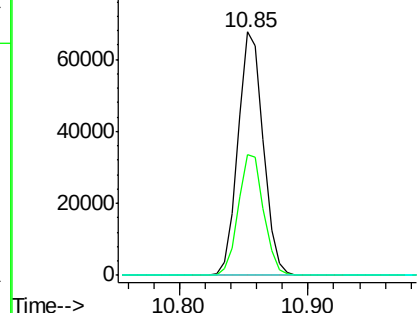
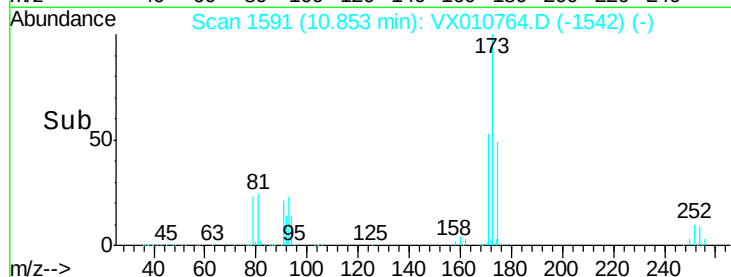
7/10/2019 10:20:14 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

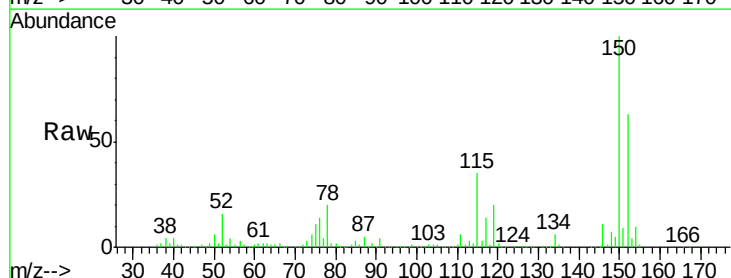
Tgt Ion:152 Resp: 159341

Ion Ratio Lower Upper

152 100

115 79.1 38.6 115.7

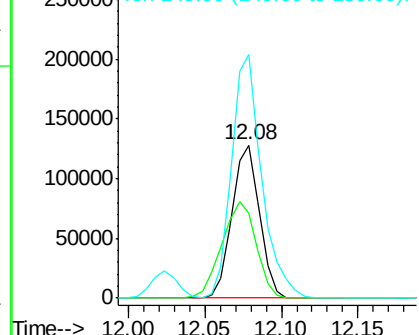
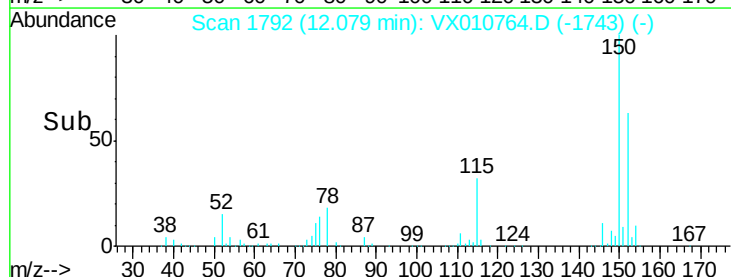
150 174.2 0.0 347.4

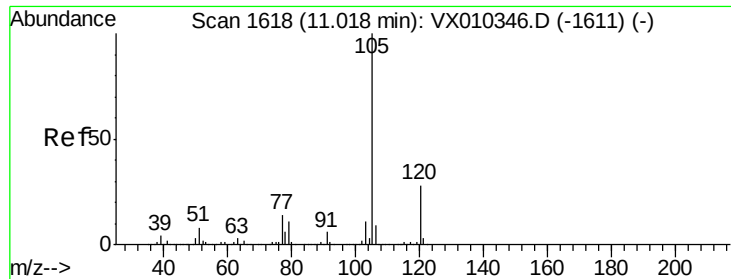


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.736 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 548021

Ion Ratio Lower Upper

105 100

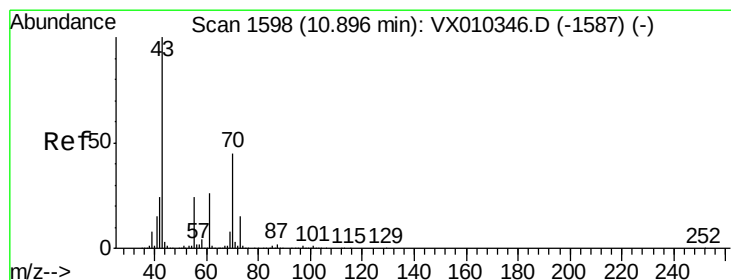
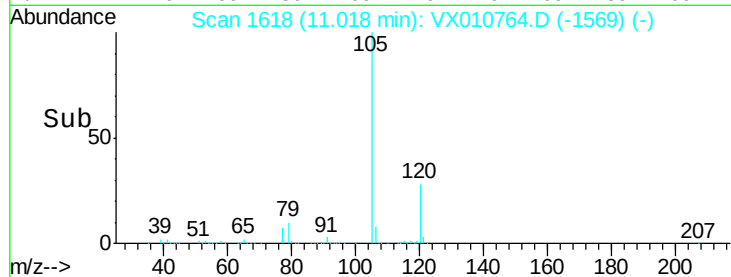
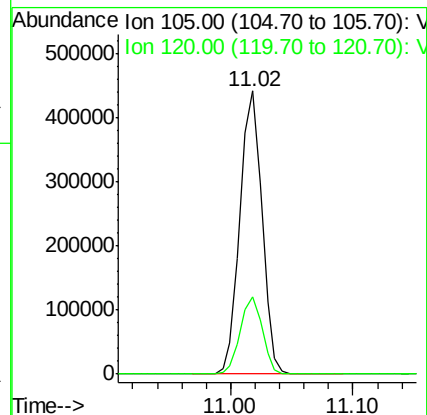
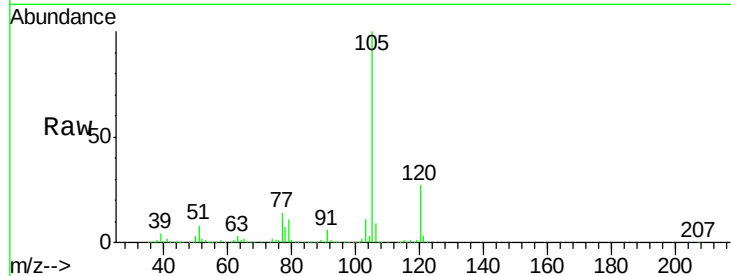
120 27.2 14.1 42.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 55.506 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion: 43 Resp: 226581

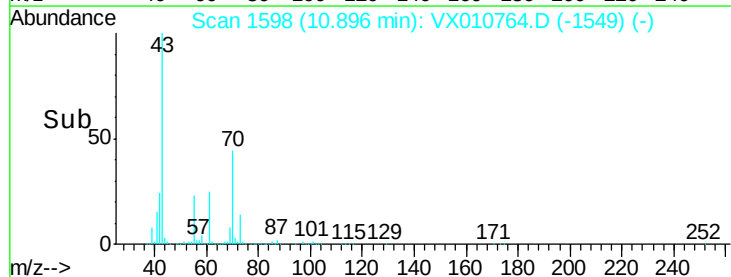
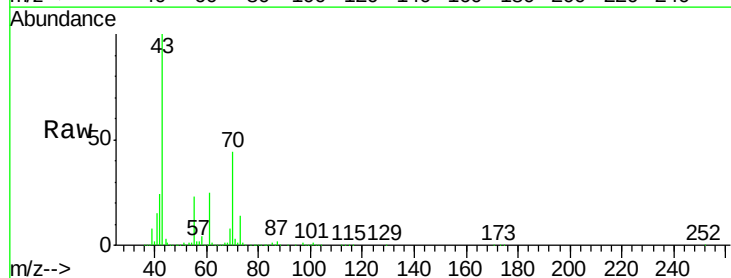
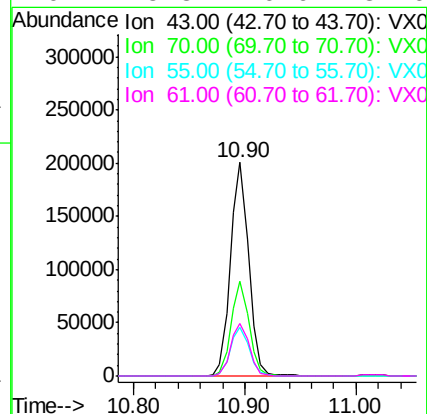
Ion Ratio Lower Upper

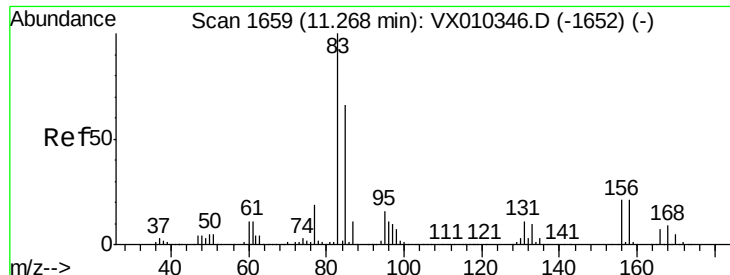
43 100

70 43.8 36.6 54.8

55 23.6 18.7 28.1

61 25.3 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.248 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

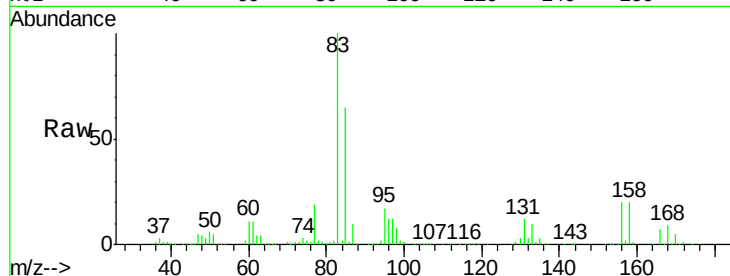
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	183322
Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.4	32.3	96.8

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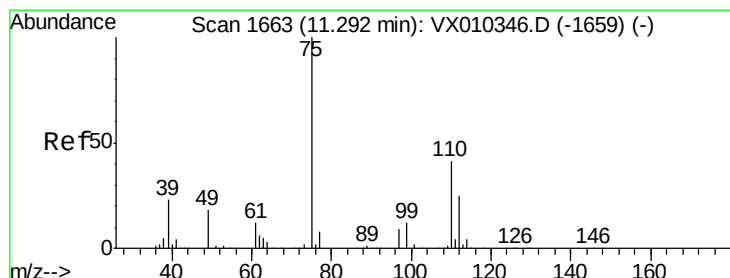
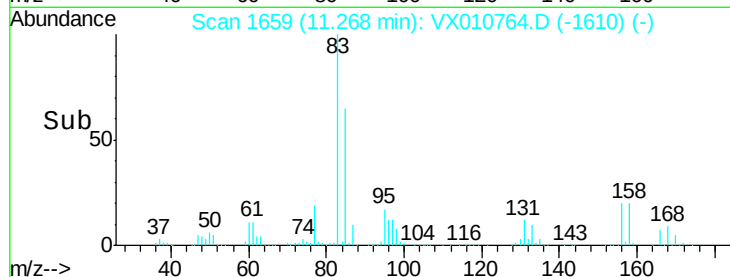
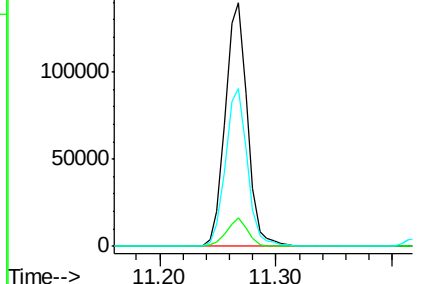
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 51.425 ug/l m

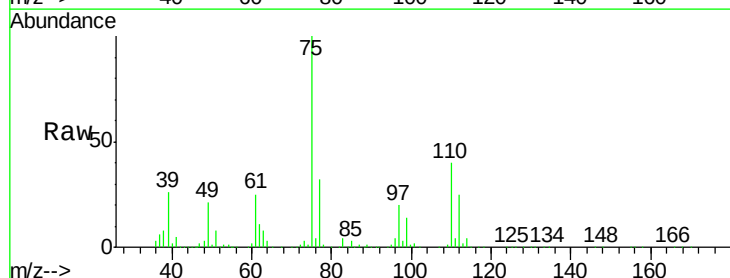
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010764.D

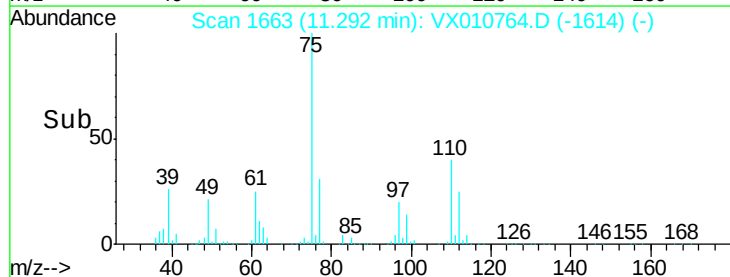
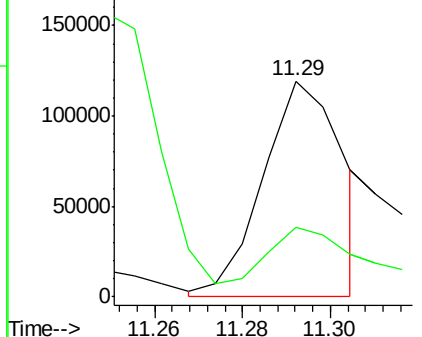
Acq: 09 Jul 2019 20:28

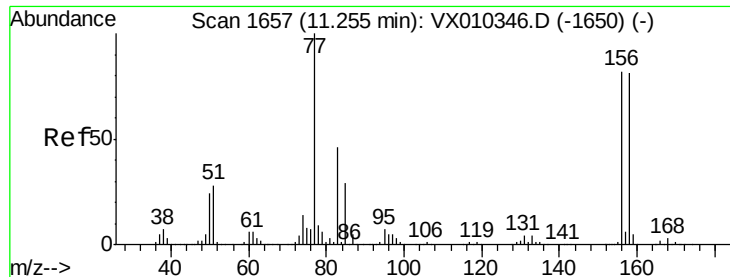
Tgt Ion:	75	Resp:	149317
Ion	Ratio	Lower	Upper
75	100		
77	43.3	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 49.513 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

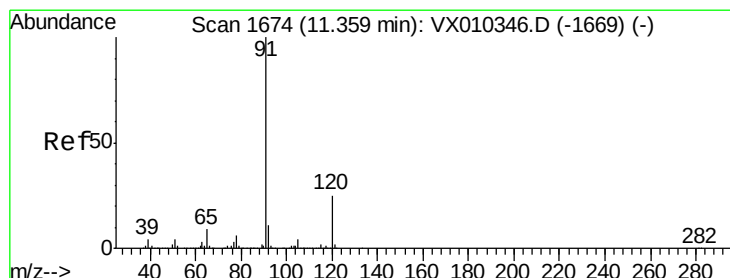
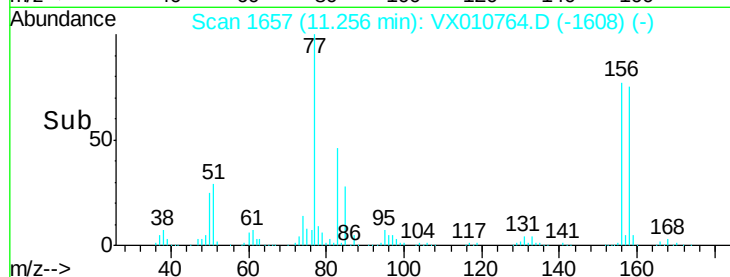
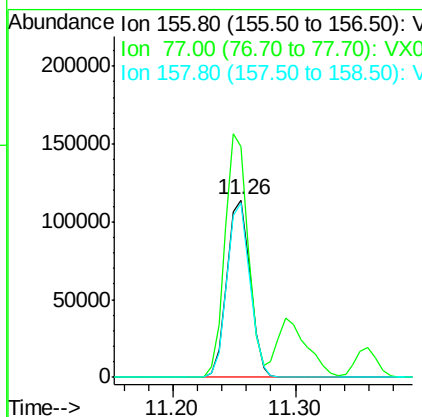
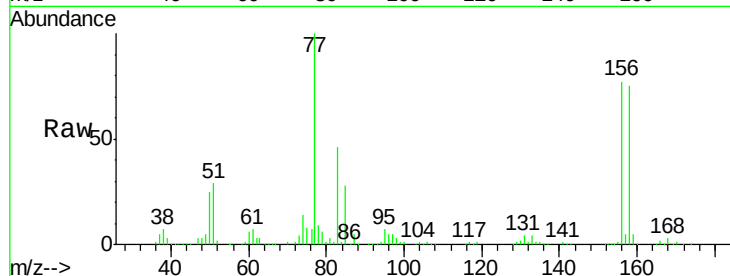
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	149334
Ion Ratio	Lower	Upper	
156	100		
77	136.6	66.3	198.7
158	97.2	48.9	146.7

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#78

n-propylbenzene

Concen: 52.117 ug/l

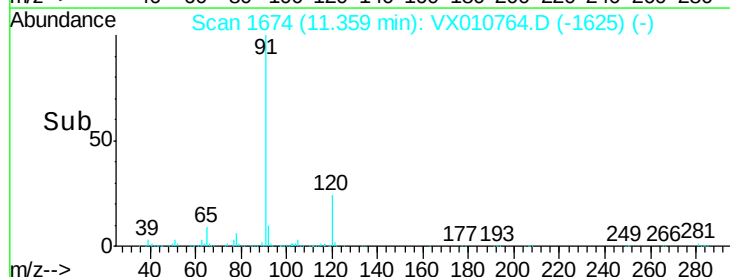
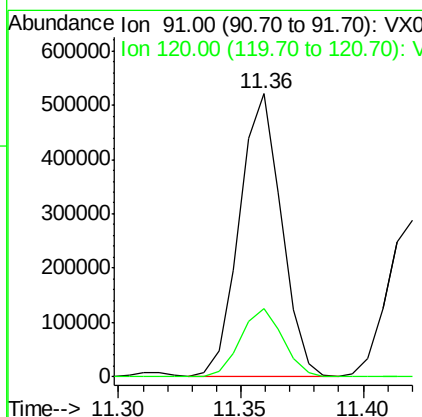
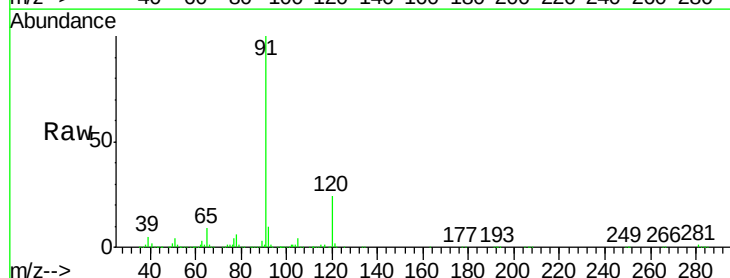
RT: 11.36 min Scan# 1674

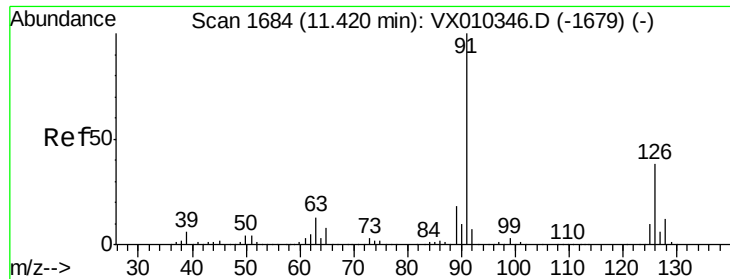
Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion:	91	Resp:	618691
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.4	37.4





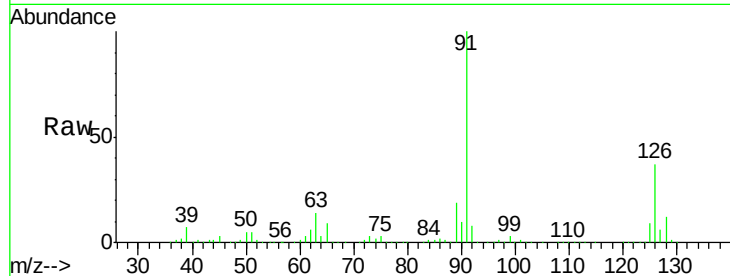
#79
 2-Chlorotoluene
 Concen: 51.011 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

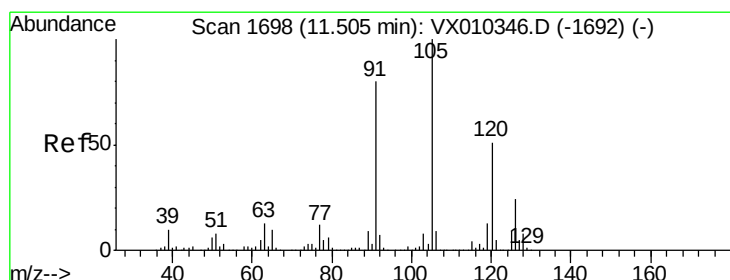
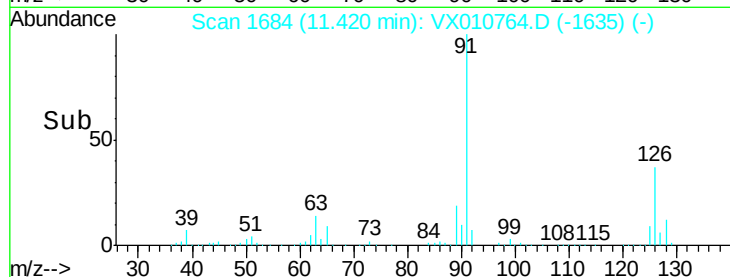
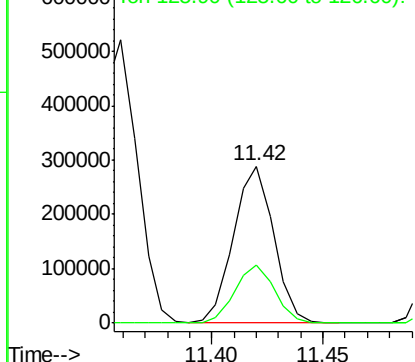
Tot Ion: 91 Resp: 360596
 Ion Ratio Lower Upper
 91 100
 126 36.9 18.7 56.1

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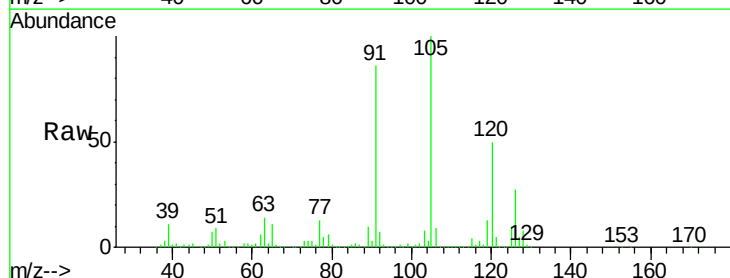


Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1679) (-)
 Ion 125.90 (125.60 to 126.60): VX010346.D (-1679) (-)

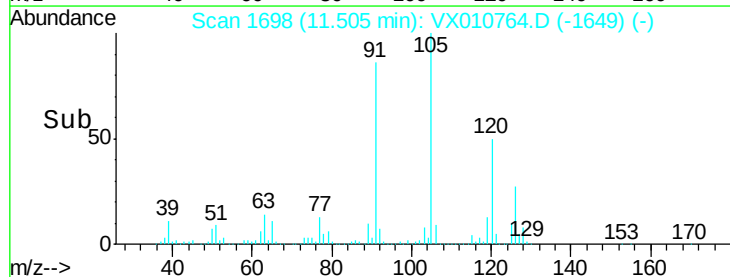
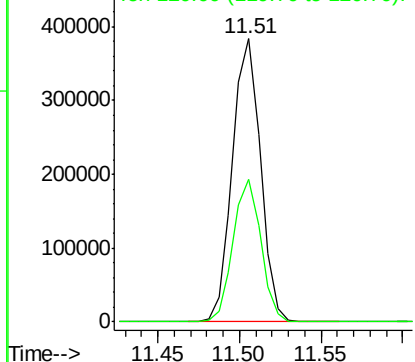


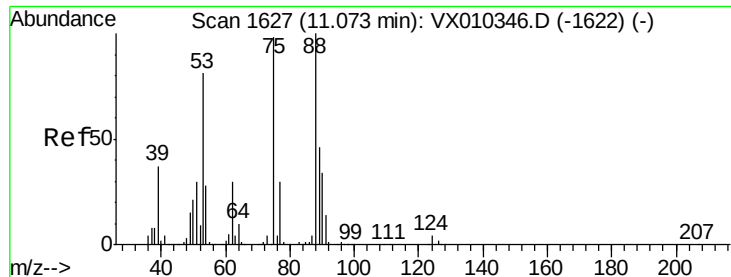
#80
 1,3,5-Trimethylbenzene
 Concen: 51.715 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion: 105 Resp: 460493
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): VX010346.D (-1692) (-)
 Ion 120.00 (119.70 to 120.70): VX010346.D (-1692) (-)





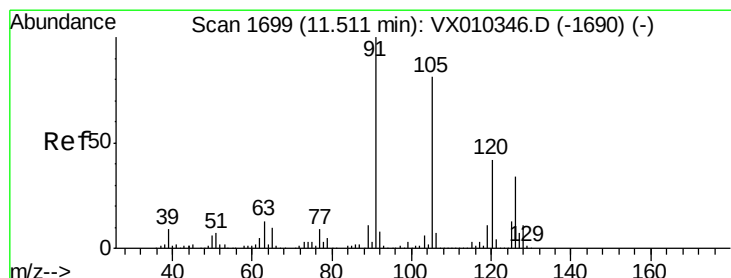
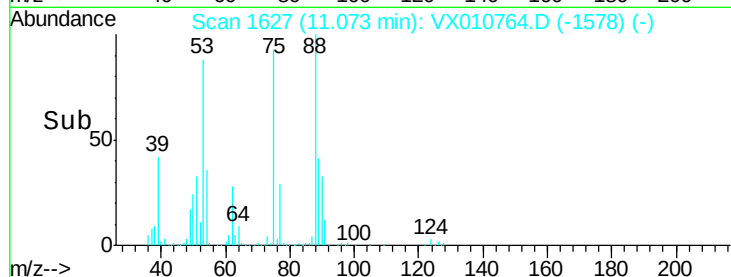
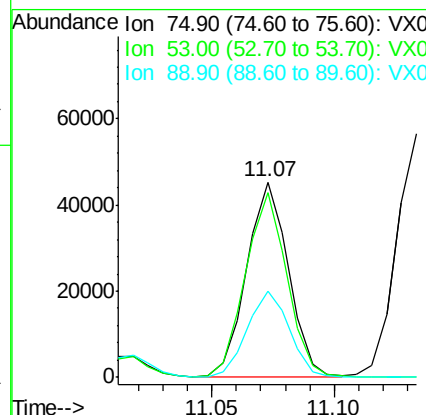
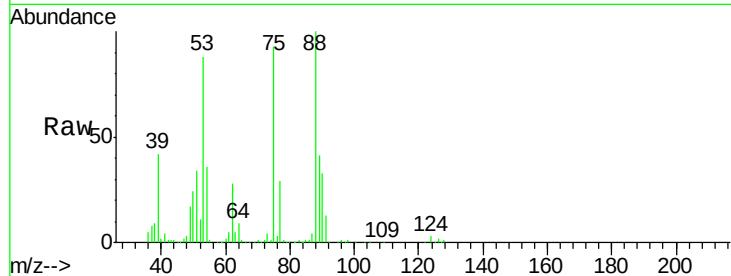
#81
trans-1,4-Dichloro-2-butene
Concen: 43.099 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.6	66.1	99.1
89	44.9	37.8	56.6

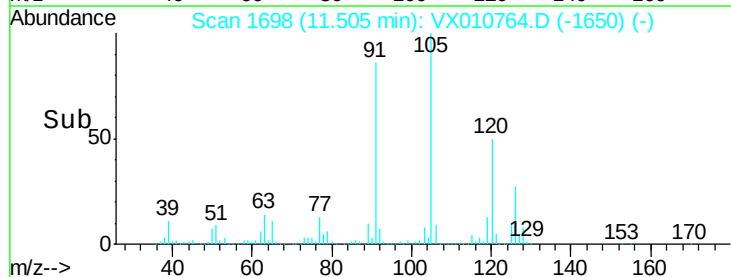
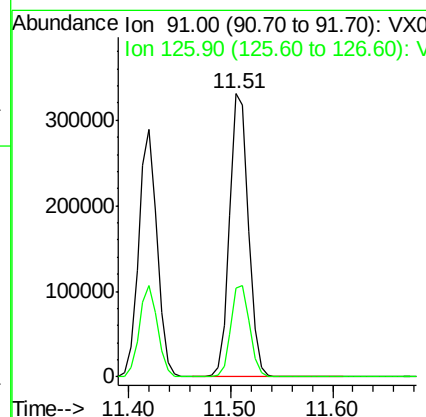
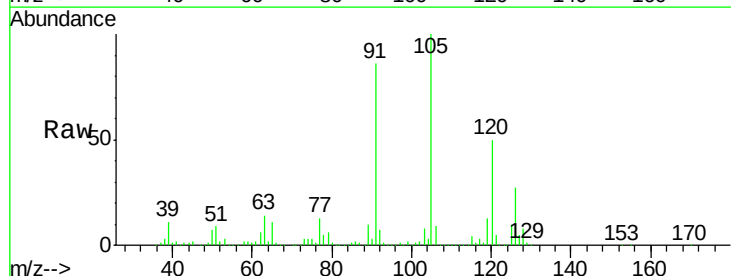
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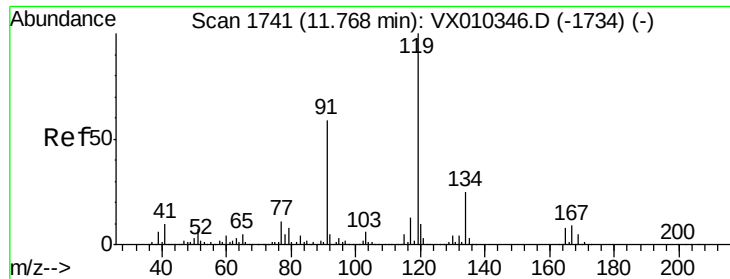
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#82
4-Chlorotoluene
Concen: 52.365 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.01 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.2	48.6





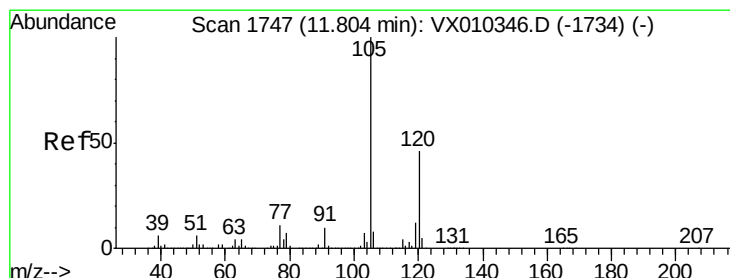
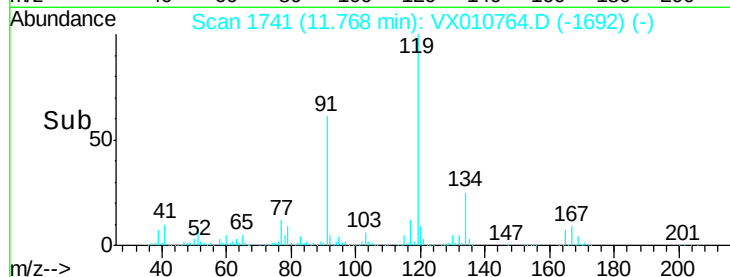
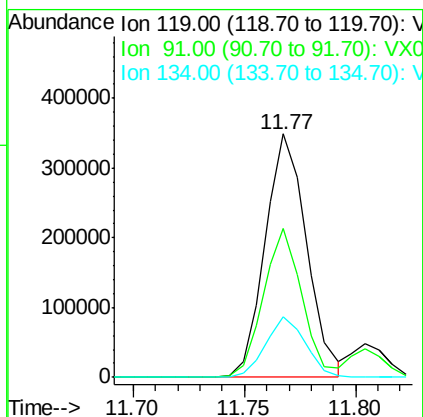
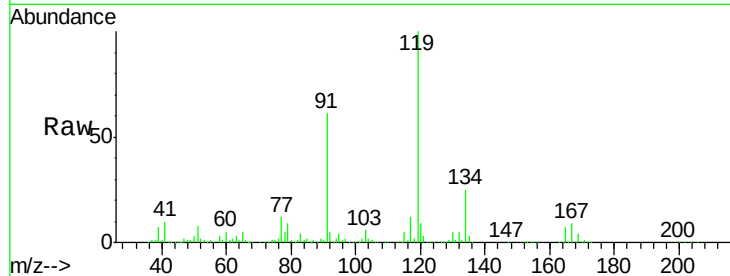
#83
 tert-Butylbenzene
 Concen: 50.625 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.7	27.6	82.7
134	23.6	11.8	35.4

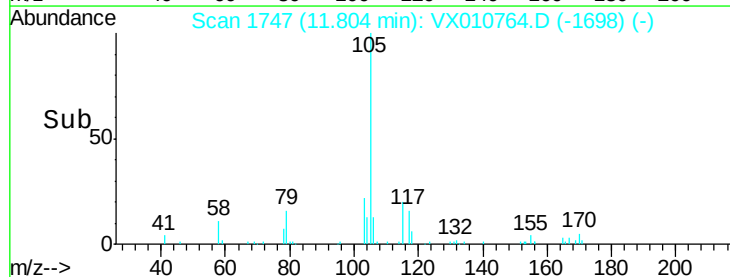
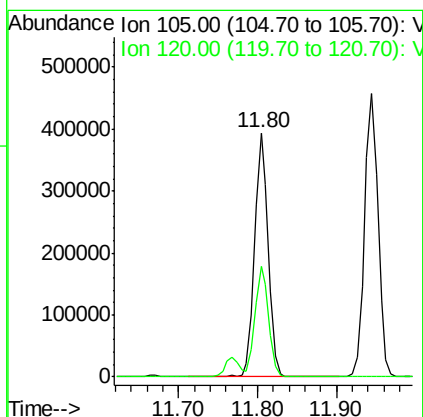
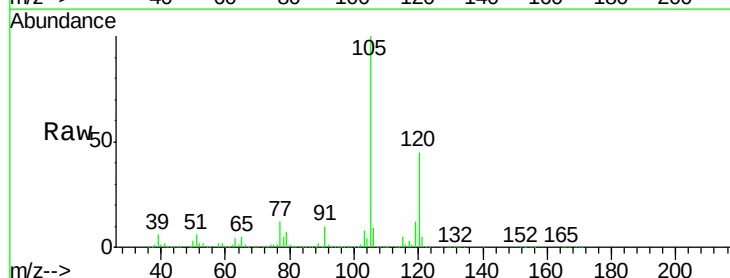
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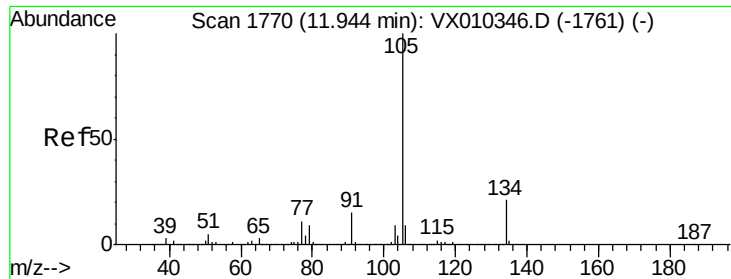
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.847 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 51.366 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 539014

Ion Ratio Lower Upper

105 100

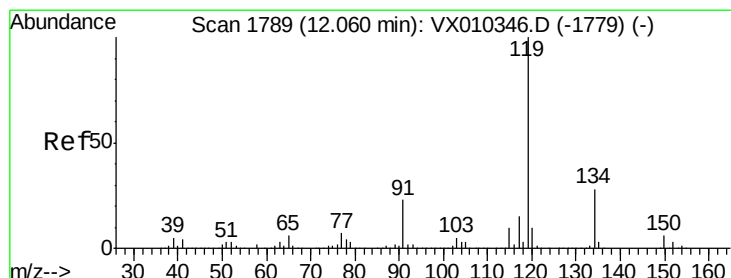
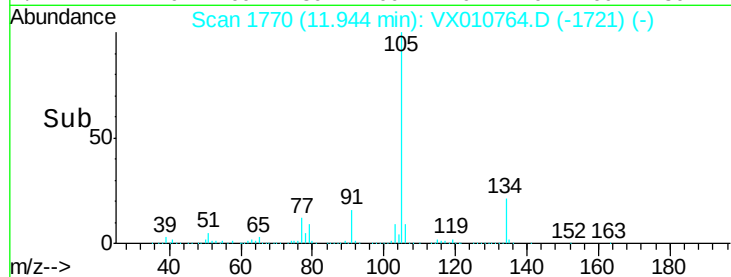
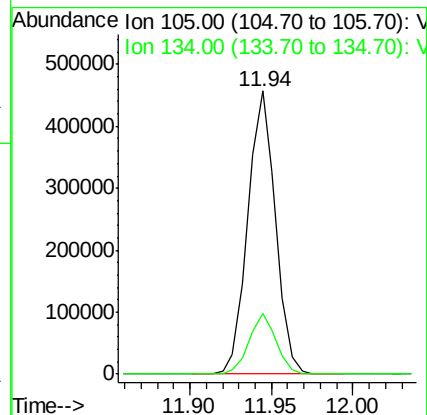
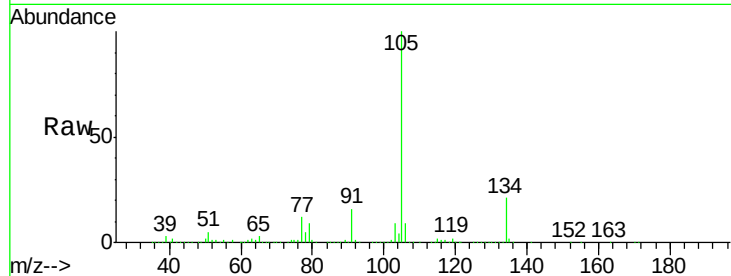
134 21.0 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 51.361 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

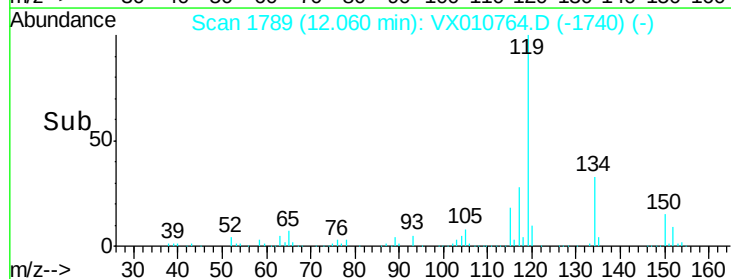
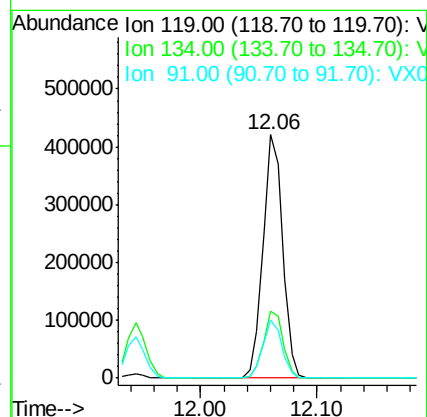
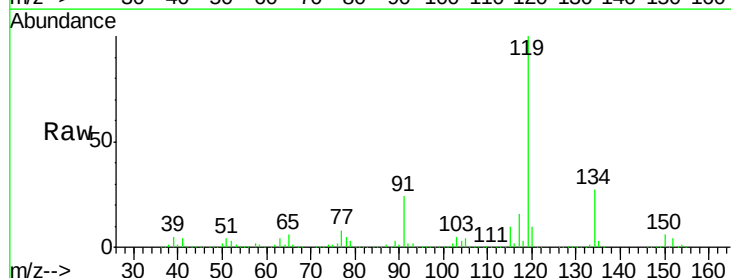
Tgt Ion:119 Resp: 498523

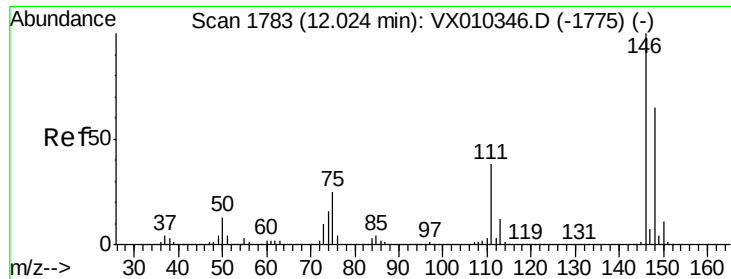
Ion Ratio Lower Upper

119 100

134 27.6 13.7 41.1

91 23.3 11.3 33.8





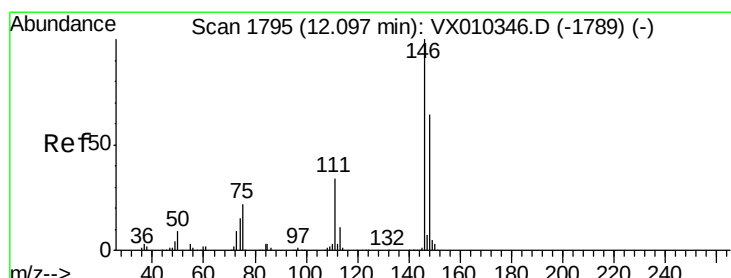
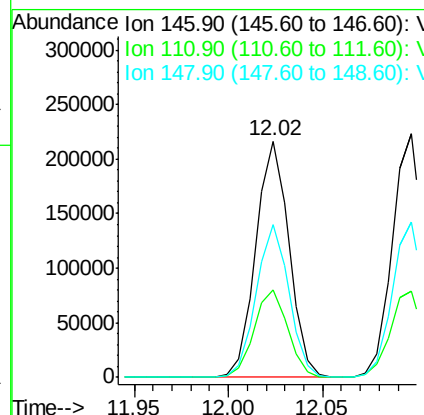
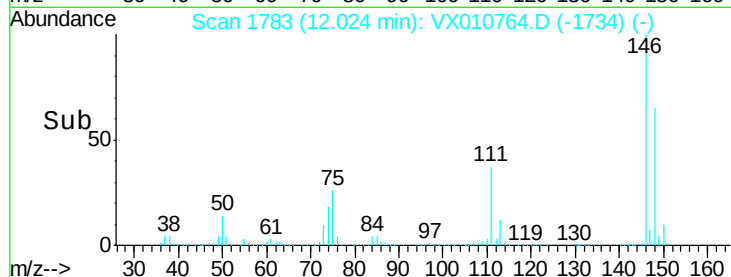
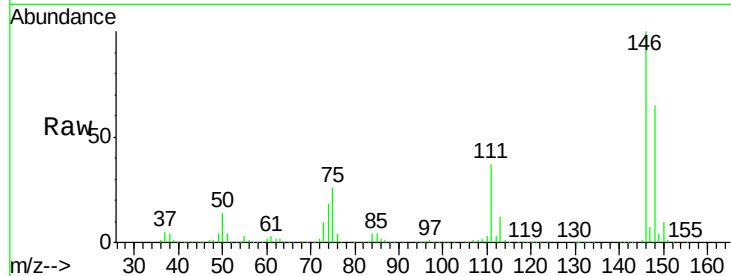
#87
 1,3-Dichlorobenzene
 Concen: 50.166 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	63.9	32.5	97.4

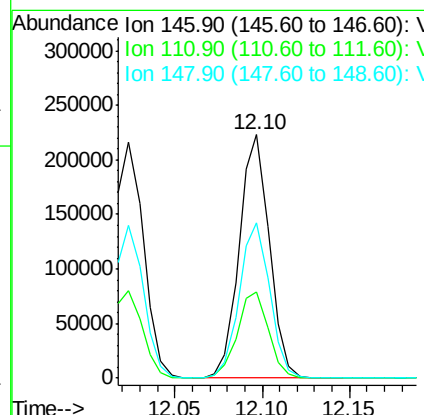
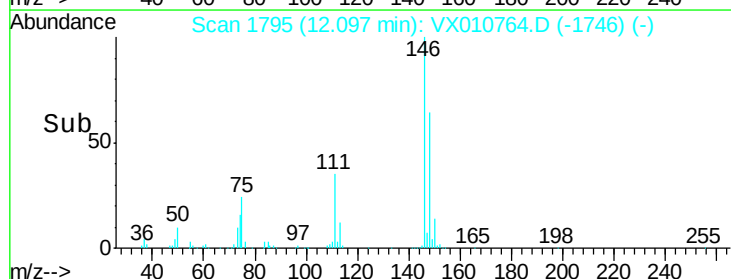
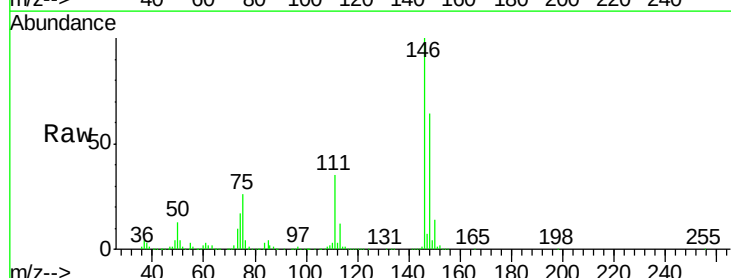
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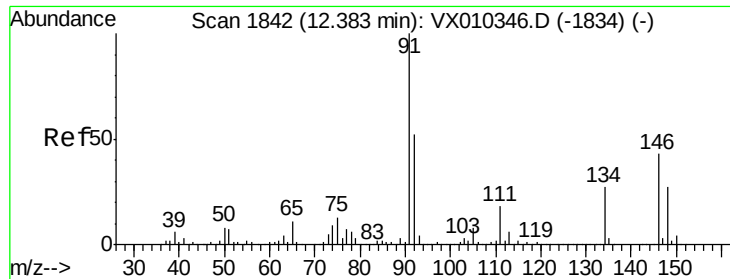
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#88
 1,4-Dichlorobenzene
 Concen: 49.633 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.3
148	64.5	32.1	96.3





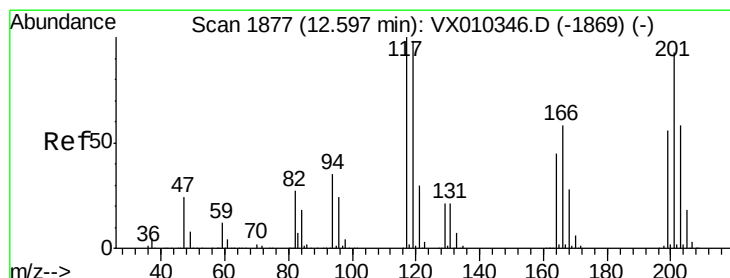
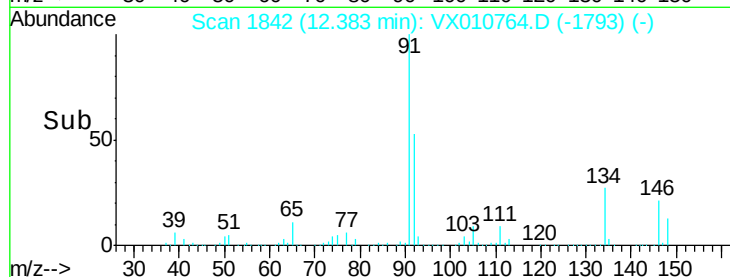
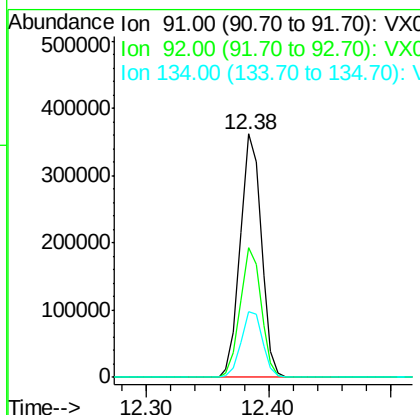
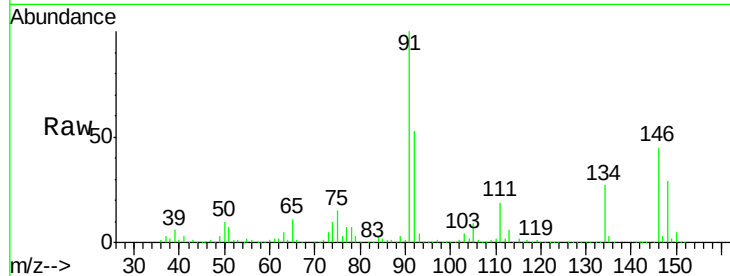
#89
n-Butylbenzene
Concen: 52.271 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	27.6	14.1	42.4

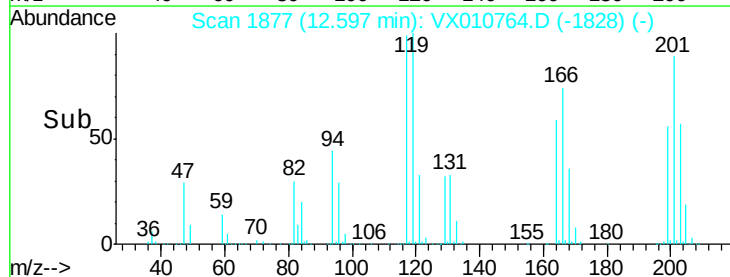
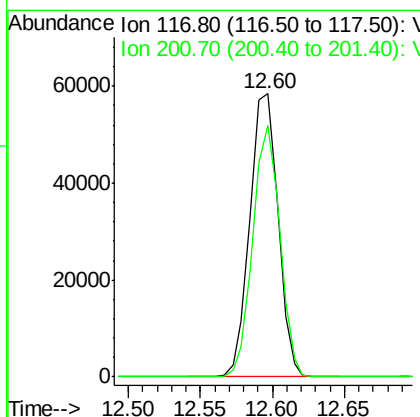
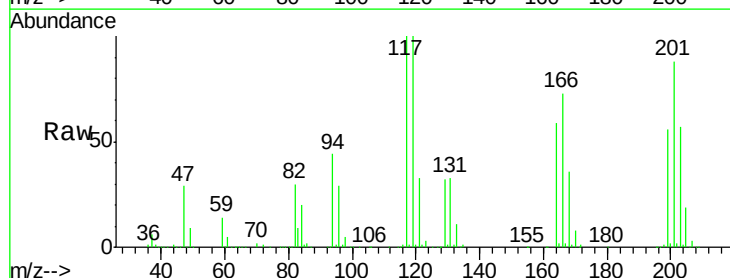
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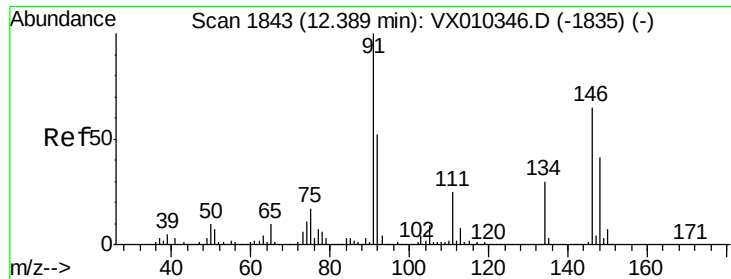
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#90
Hexachloroethane
Concen: 47.143 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010764.D
Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.6	44.0	131.8





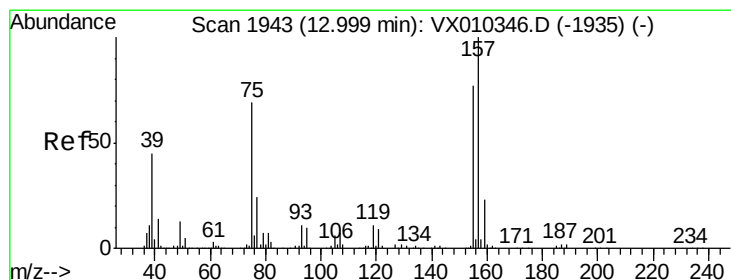
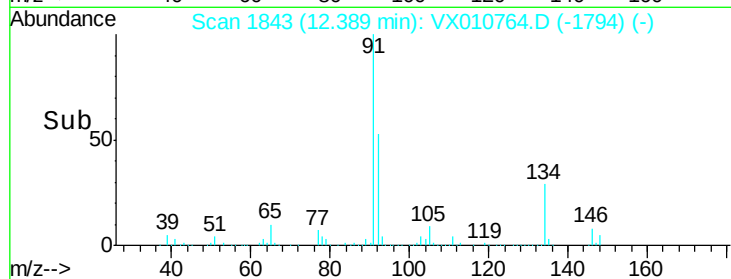
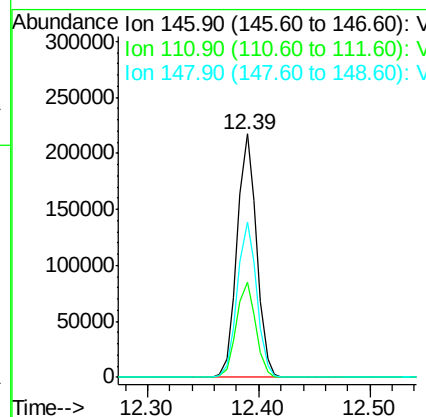
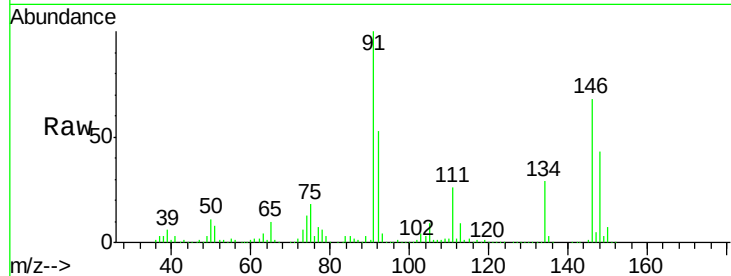
#91
 1,2-Dichlorobenzene
 Concen: 50.194 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	262635		
111	38.8	19.2	57.6	
148	63.7	32.0	96.0	

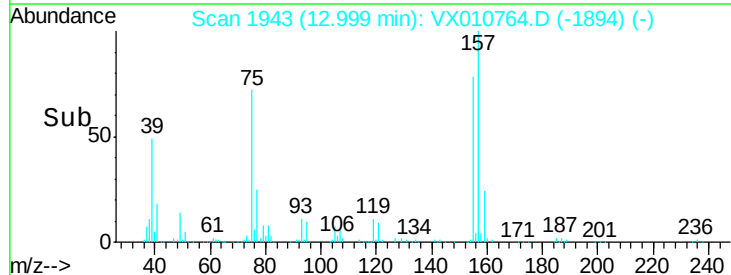
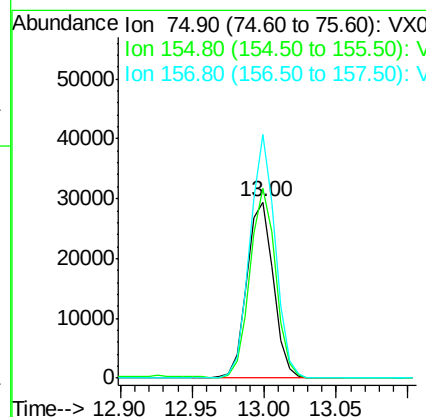
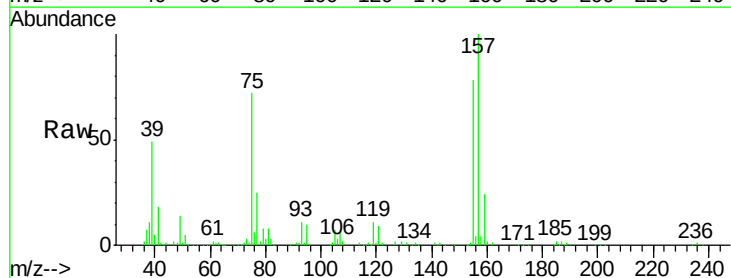
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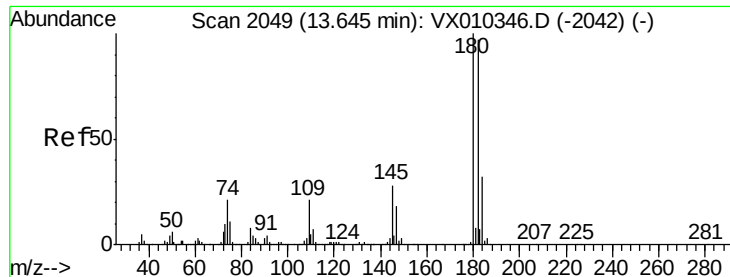
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.651 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37522		
155	103.9	54.4	163.1	
157	130.8	69.5	208.3	





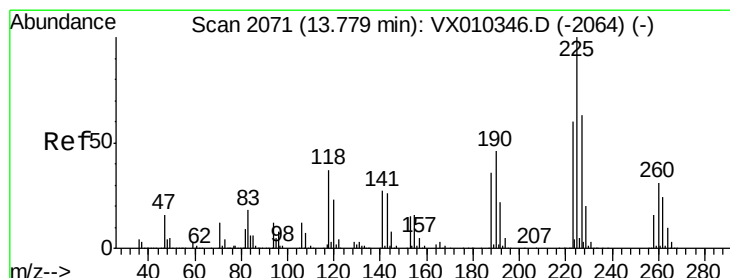
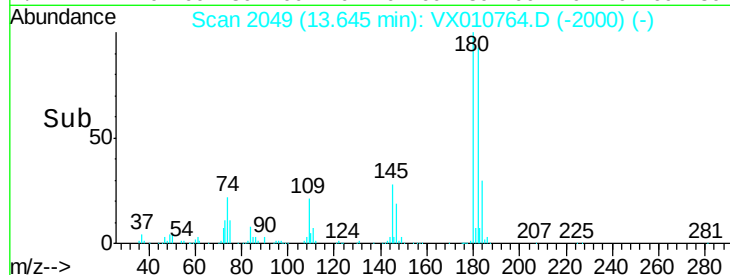
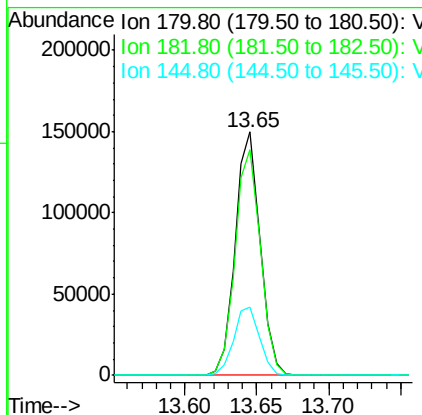
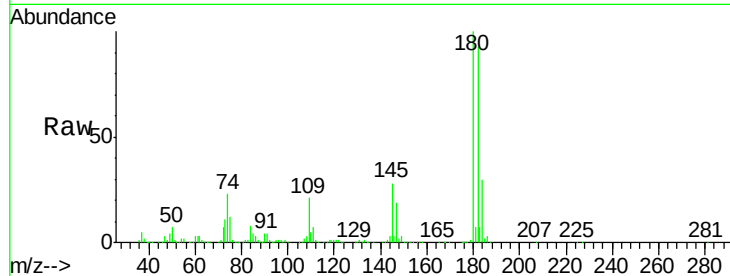
#93
 1,2,4-Trichlorobenzene
 Concen: 49.823 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180790		
182	94.9	48.0	144.0	
145	29.4	14.4	43.4	

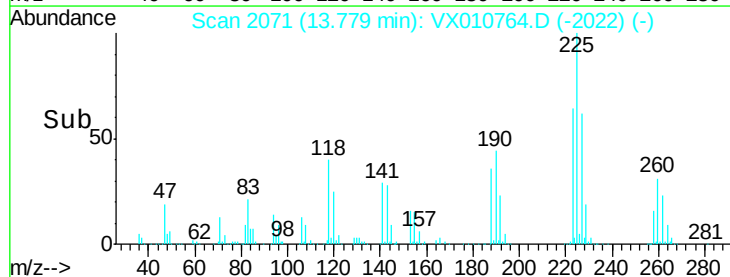
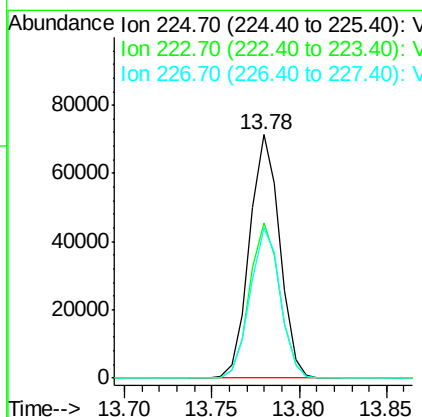
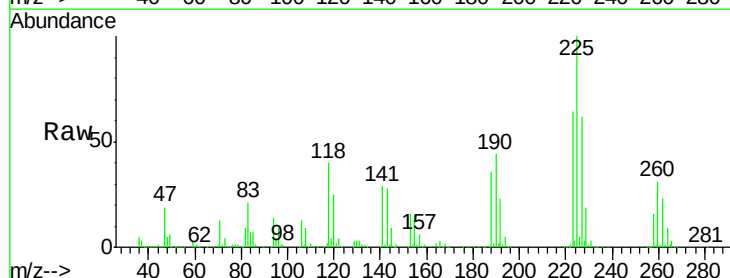
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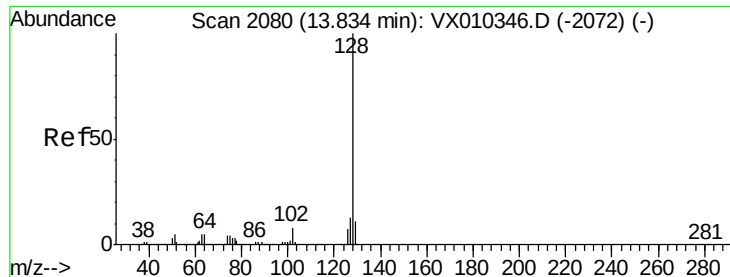
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 48.198 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010764.D
 Acq: 09 Jul 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	85476		
223	63.7	30.9	92.7	
227	61.7	31.9	95.5	





#95

Naphthalene

Concen: 51.165 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Instrument :

MSVOA_X

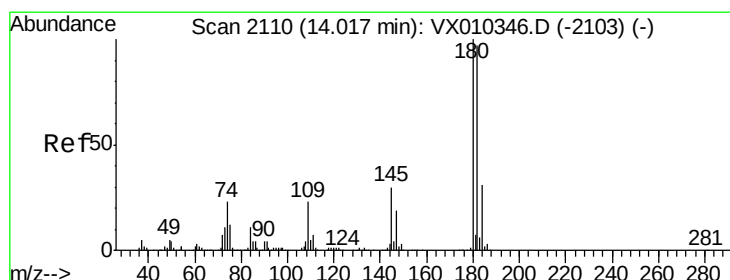
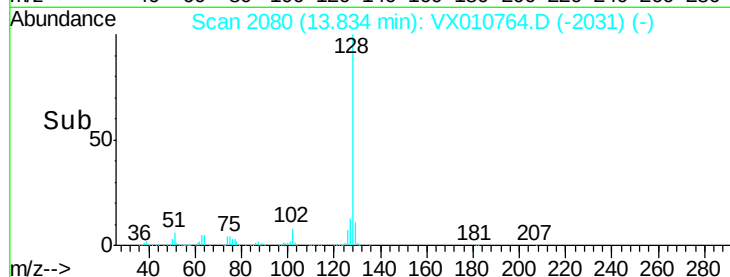
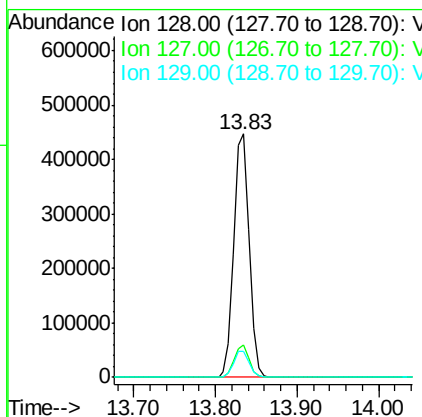
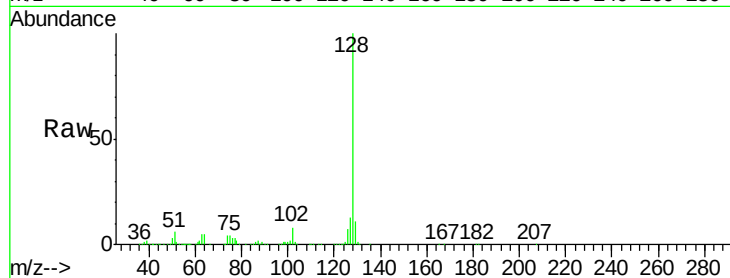
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	570542
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/10/2019 10:20:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.652 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010764.D

Acq: 09 Jul 2019 20:28

Tgt Ion:	180	Resp:	182741
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.8	143.3
145	30.6	15.2	45.6

