

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX071019\
 Data File : VX010785.D
 Acq On : 10 Jul 2019 18:19
 Operator : JC/SP
 Sample : K3732-02MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:07 AM

Quant Time: Jul 11 03:10:54 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	5.67	168	199391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	300738	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	278831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151323	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	95210	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
35) Dibromofluoromethane	5.50	113	90663	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.71	98	331033	47.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.04%	
62) 4-Bromofluorobenzene	11.13	95	124421	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.20	85	78563	56.674	ug/l	99
3) Chloromethane	1.32	50	84843	52.561	ug/l	97
4) Vinyl Chloride	1.41	62	90753	51.331	ug/l	99
5) Bromomethane	1.64	94	47960	55.681	ug/l	97
6) Chloroethane	1.71	64	59026	56.588	ug/l	97
7) Trichlorofluoromethane	1.93	101	158508	56.555	ug/l	98
8) Diethyl Ether	2.19	74	55370	55.090	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.38	101	88786	52.275	ug/l	98
10) Methyl Iodide	2.51	142	121731	50.220	ug/l	97
11) Tert butyl alcohol	3.05	59	102148	208.813	ug/l	98
12) 1,1-Dichloroethene	2.37	96	89374	51.713	ug/l	99
13) Acrolein	2.29	56	71797	221.246	ug/l	100
14) Allyl chloride	2.73	41	127016	51.766	ug/l	97
15) Acrylonitrile	3.14	53	262739	271.276	ug/l	100
16) Acetone	2.45	43	209469	223.569	ug/l	95
17) Carbon Disulfide	2.57	76	213623	46.072	ug/l	100
18) Methyl Acetate	2.78	43	95135	50.946	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	288175	53.003	ug/l	98
20) Methylene Chloride	2.85	84	103406	53.630	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	95185	51.208	ug/l	99
22) Diisopropyl ether	3.85	45	276736	53.944	ug/l	96
23) Vinyl Acetate	3.82	43	1142317	257.755	ug/l	98
24) 1,1-Dichloroethane	3.70	63	156899	52.911	ug/l	99
25) 2-Butanone	4.67	43	349165	254.056	ug/l	99
26) 2,2-Dichloropropane	4.58	77	112851	43.809	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	111219	51.779	ug/l	99
28) Bromochloromethane	5.01	49	69122	48.754	ug/l	94
29) Tetrahydrofuran	5.13	42	227147	266.828	ug/l	98
30) Chloroform	5.21	83	170523	53.446	ug/l	100
31) Cyclohexane	5.58	56	141427	52.373	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	146092	51.857	ug/l	99
36) 1,1-Dichloropropene	5.80	75	123247	51.571	ug/l	97
37) Ethyl Acetate	4.83	43	126211	51.335	ug/l	99
38) Carbon Tetrachloride	5.78	117	128617	49.700	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	152705	48.611	ug/l	96
40) Benzene	6.14	78	383022	51.444	ug/l	99
41) Methacrylonitrile	5.04	41	72464	53.718	ug/l	98
42) 1,2-Dichloroethane	6.19	62	127775	56.378	ug/l	98
43) Isopropyl Acetate	6.45	43	206303	50.718	ug/l	98
44) Trichloroethene	7.21	130	112364	50.436	ug/l	97
45) 1,2-Dichloropropane	7.51	63	97215	51.705	ug/l	99
46) Dibromomethane	7.66	93	69563	51.567	ug/l	98
47) Bromodichloromethane	7.90	83	126346	51.107	ug/l	100
48) Methyl methacrylate	7.77	41	102809	54.376	ug/l	99
49) 1,4-Dioxane	7.74	88	50002	918.038	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	716492	275.414	ug/l	97
52) Toluene	8.78	92	252196	51.436	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	133014	47.991	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	146848	48.754	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	104649	51.751	ug/l	99
56) Ethyl methacrylate	9.18	69	160033	52.242	ug/l	96
57) 1,3-Dichloropropane	9.37	76	165602	52.757	ug/l	99
59) 2-Hexanone	9.49	43	555005	271.067	ug/l	98
60) Dibromochloromethane	9.58	129	112099	49.511	ug/l	100
61) 1,2-Dibromoethane	9.67	107	113292	51.905	ug/l	100
64) Tetrachloroethene	9.34	164	109166	48.405	ug/l	98
65) Chlorobenzene	10.13	112	284221	50.209	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	103164	50.032	ug/l	99
67) Ethyl Benzene	10.25	91	490392	51.314	ug/l	98
68) m/p-Xylenes	10.36	106	381843	103.118	ug/l	100
69) o-Xylene	10.69	106	186387	51.184	ug/l	98
70) Styrene	10.71	104	321936	52.716	ug/l	99
71) Bromoform	10.85	173	84437	47.089	ug/l #	100
73) Isopropylbenzene	11.02	105	495990	48.352	ug/l	99
74) N-amyl acetate	10.90	43	186534	48.117	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	168748	49.674	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	135846m	49.264	ug/l	
77) Bromobenzene	11.26	156	137611	48.044	ug/l	99
78) n-propylbenzene	11.36	91	556989	49.406	ug/l	99
79) 2-Chlorotoluene	11.42	91	328916	48.995	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	415417	49.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	47029	39.787	ug/l	90
82) 4-Chlorotoluene	11.51	91	381508	49.942	ug/l	100
83) tert-Butylbenzene	11.77	119	408952	48.183	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	423664	49.866	ug/l	100
85) sec-Butylbenzene	11.94	105	486495	48.818	ug/l	99
86) p-Isopropyltoluene	12.06	119	454115	49.265	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	239018	47.806	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	240960	47.339	ug/l	99
89) n-Butylbenzene	12.38	91	389519	49.729	ug/l	99
90) Hexachloroethane	12.60	117	69210	43.423	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	237656	47.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	33883	46.261	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	160582	46.599	ug/l	99

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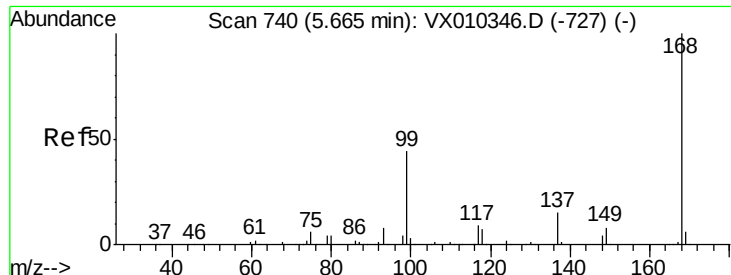
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	79263	47.063	ug/l	99
95) Naphthalene	13.83	128	498820	47.104	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	161957	47.270	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 168 Resp: 199391

Ion Ratio Lower Upper

168 100

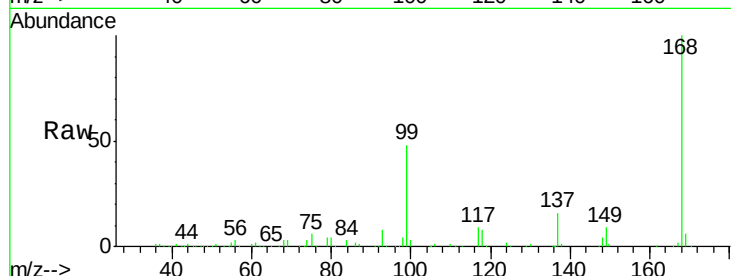
99 47.4 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

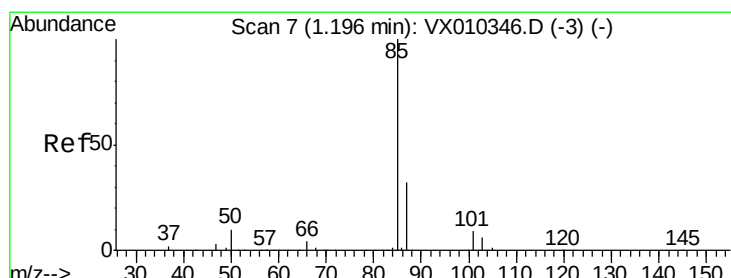
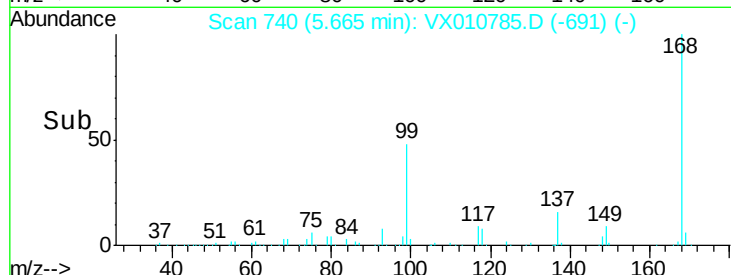
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 56.674 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010785.D

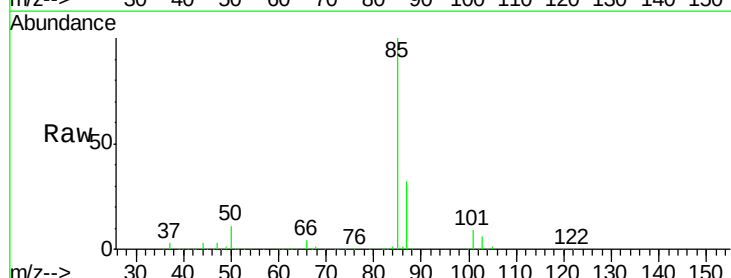
Acq: 10 Jul 2019 18:19

Tgt Ion: 85 Resp: 78563

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

80000

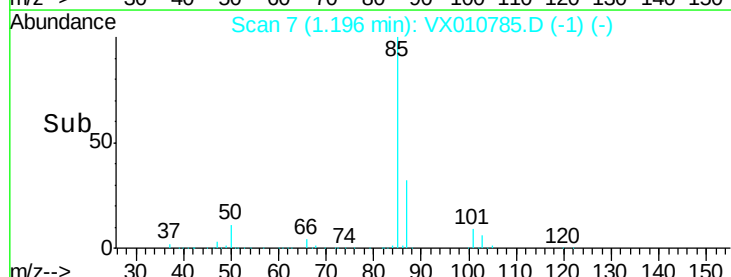
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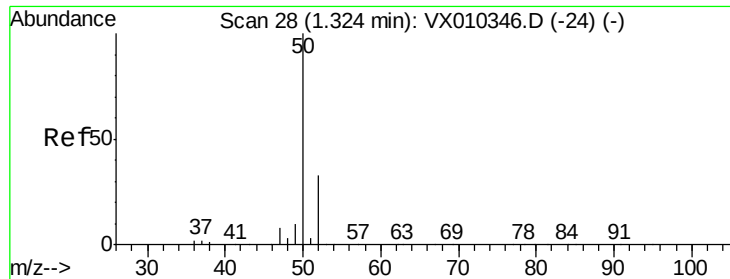
40000

20000

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Time-->





#3

Chloromethane

Concen: 52.561 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 50 Resp: 84843

Ion Ratio Lower Upper

50 100

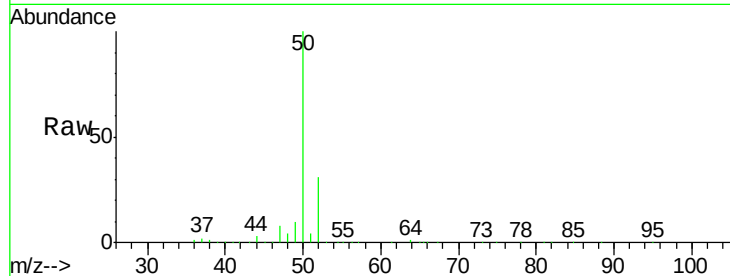
52 31.3 26.5 39.7

Manual Integrations

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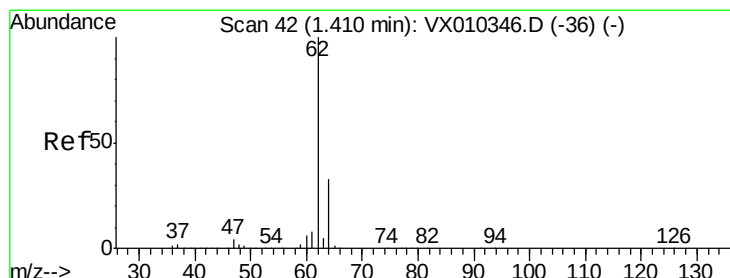
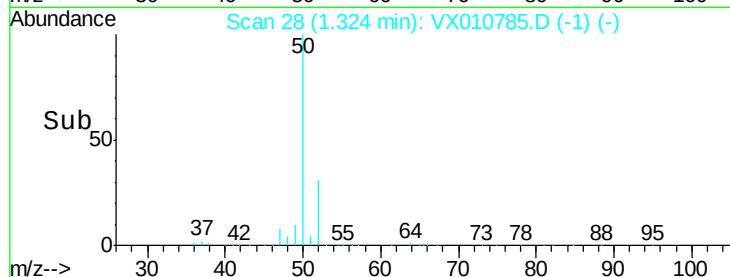
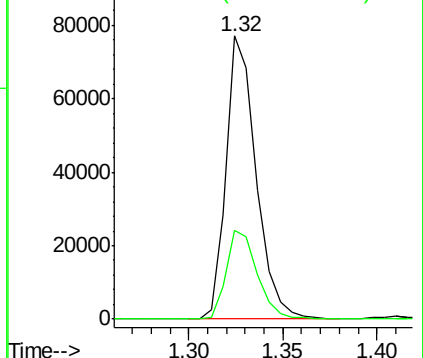
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 51.331 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010785.D

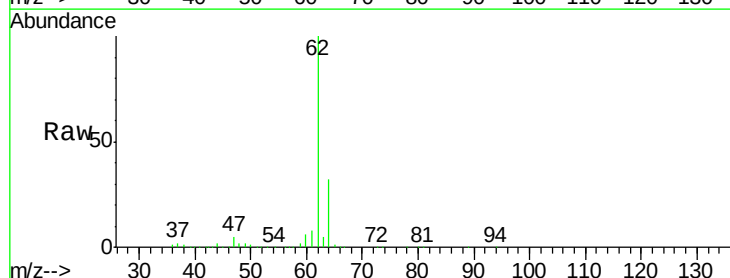
Acq: 10 Jul 2019 18:19

Tgt Ion: 62 Resp: 90753

Ion Ratio Lower Upper

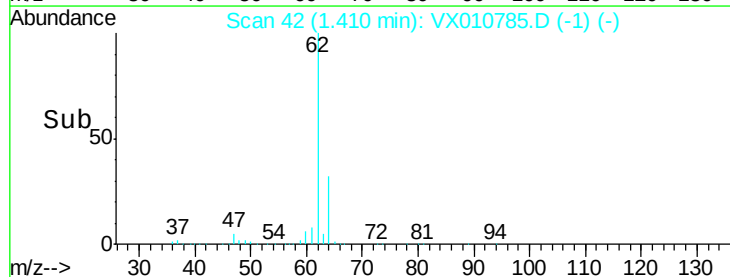
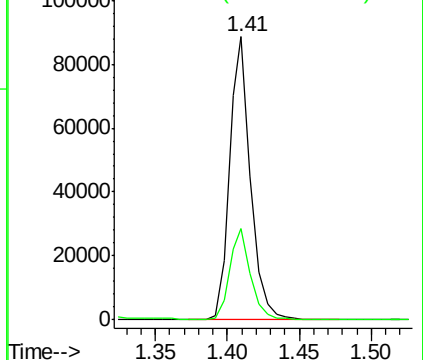
62 100

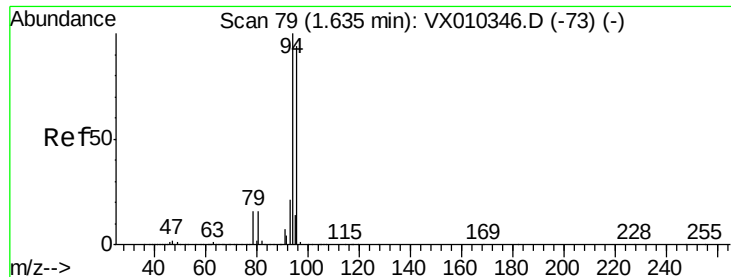
64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 55.681 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

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Tgt Ion: 94 Resp: 47960

Ion Ratio Lower Upper

94 100

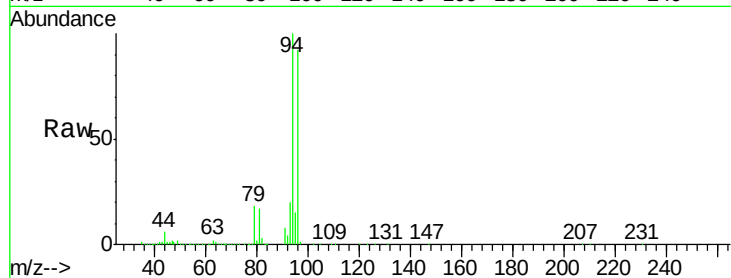
96 91.7 75.5 113.3

Manual Integrations

APPROVED

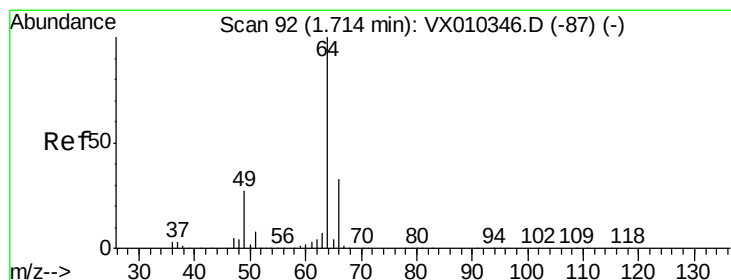
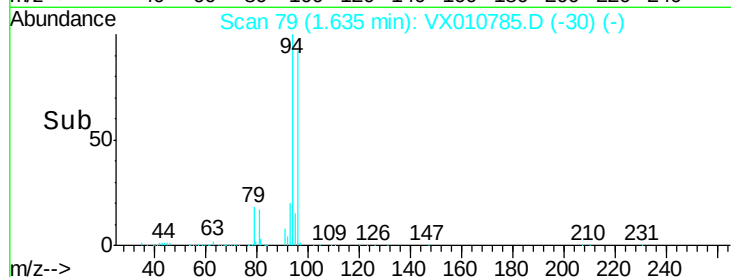
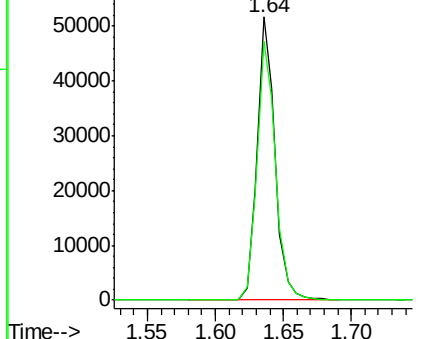
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 56.588 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010785.D

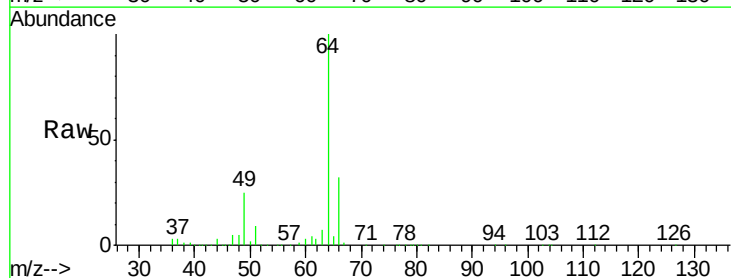
Acq: 10 Jul 2019 18:19

Tgt Ion: 64 Resp: 59026

Ion Ratio Lower Upper

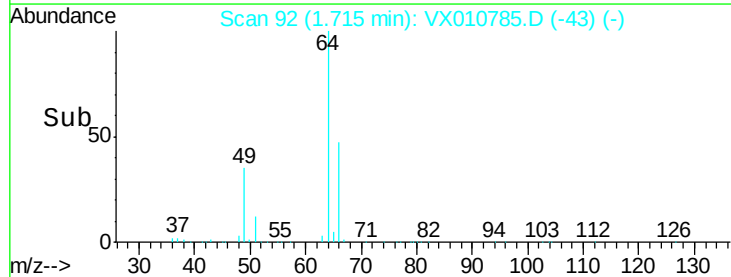
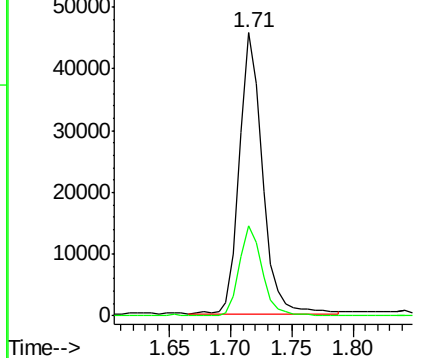
64 100

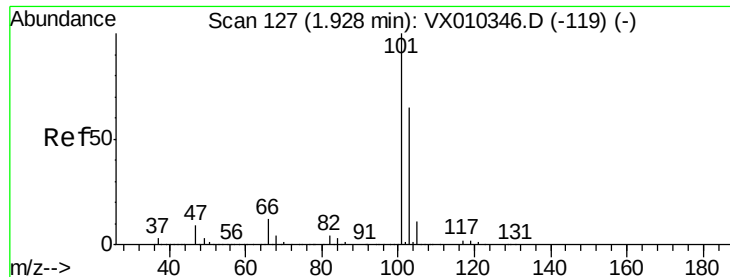
66 31.8 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

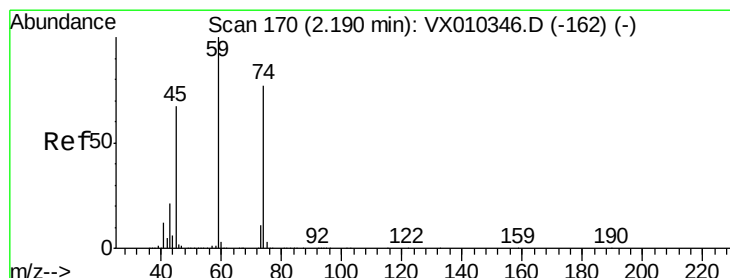
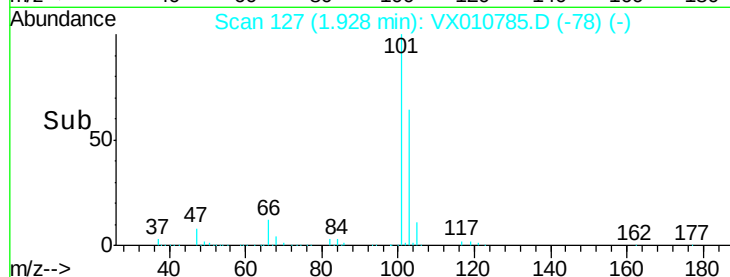
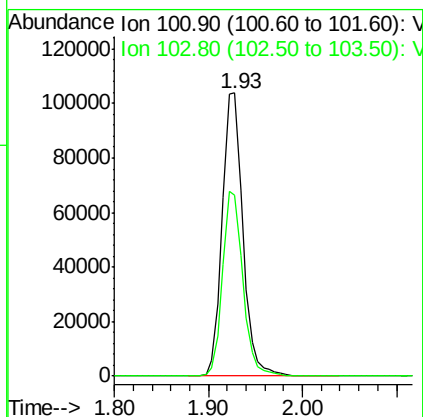
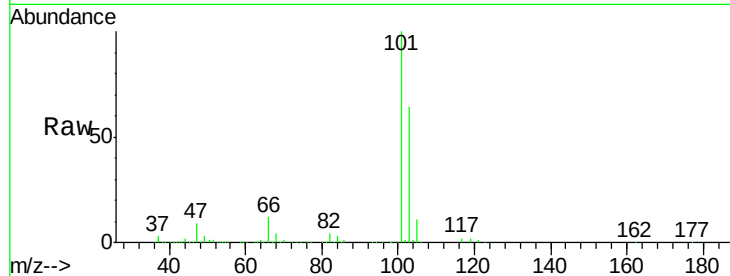
Trichlorofluoromethane
Concen: 56.555 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	158508		
103	64.1	52.3	78.5	

Manual Integrations
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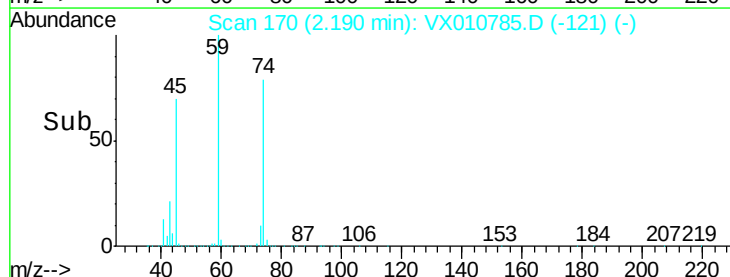
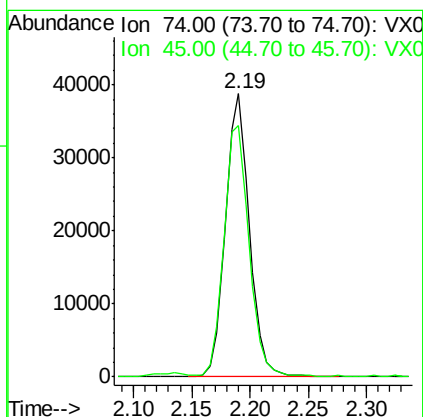
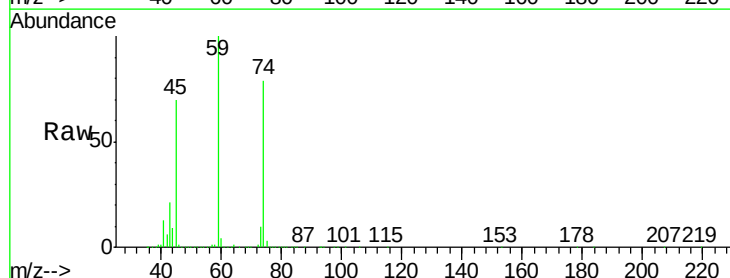
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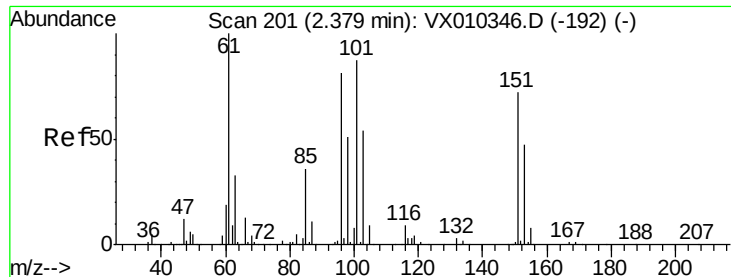


#8

Diethyl Ether
Concen: 55.090 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55370		
45	93.5	44.8	134.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.275 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

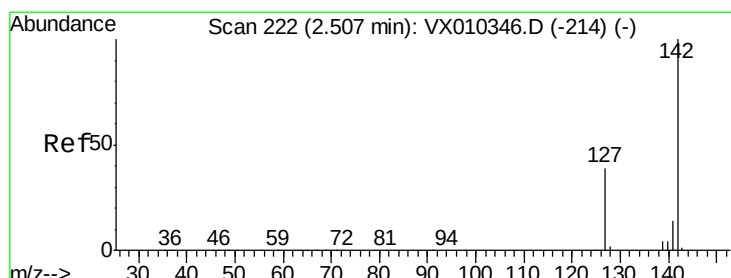
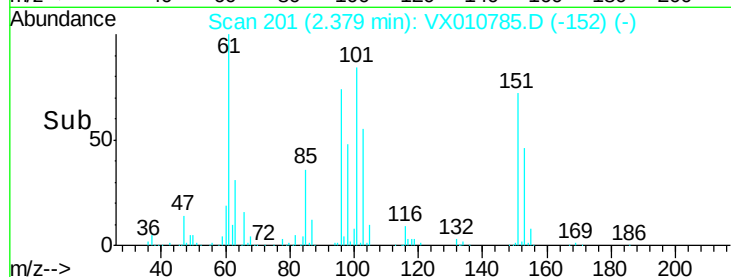
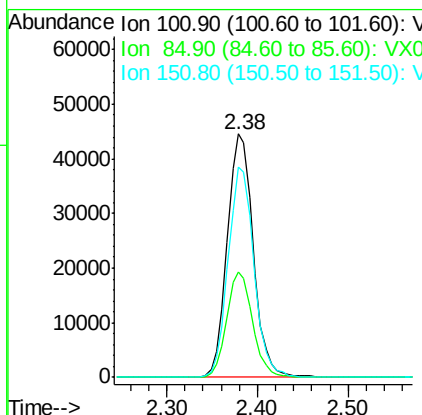
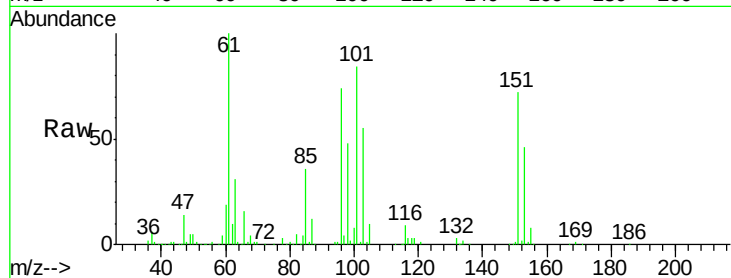
ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion:	101	Resp:	88786
Ion Ratio	Lower	Upper	
101	100		
85	43.0	33.7	50.5
151	85.7	70.1	105.1

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#10

Methyl Iodide

Concen: 50.220 ug/l

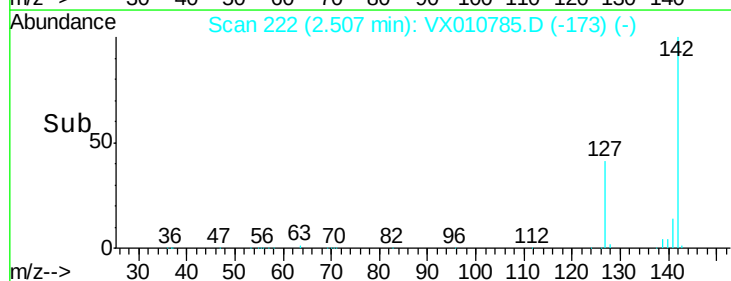
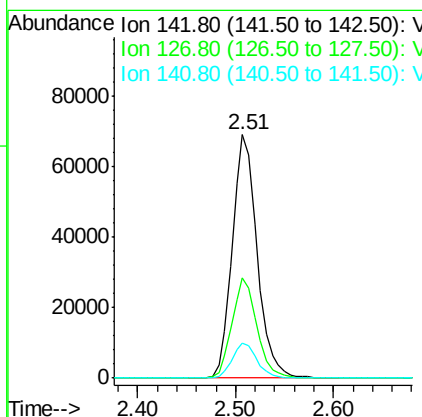
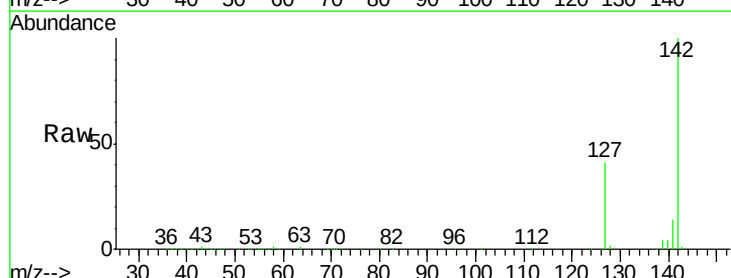
RT: 2.51 min Scan# 222

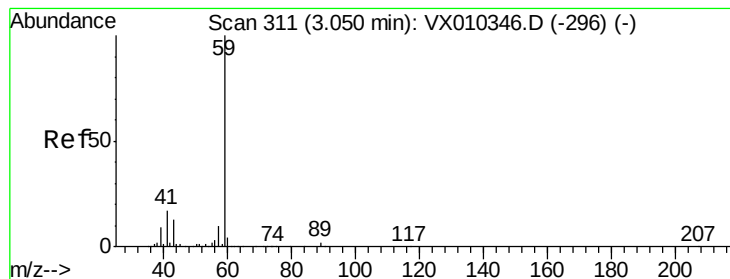
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion:	142	Resp:	121731
Ion Ratio	Lower	Upper	
142	100		
127	41.4	31.1	46.7
141	14.3	11.2	16.8





#11

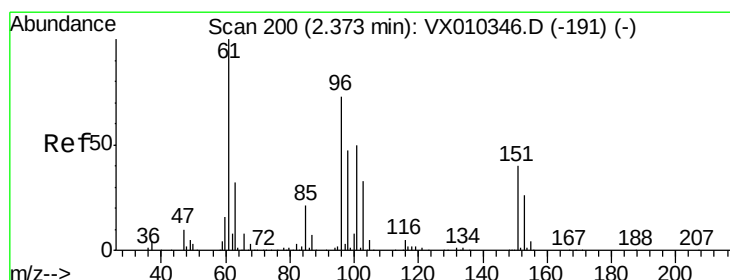
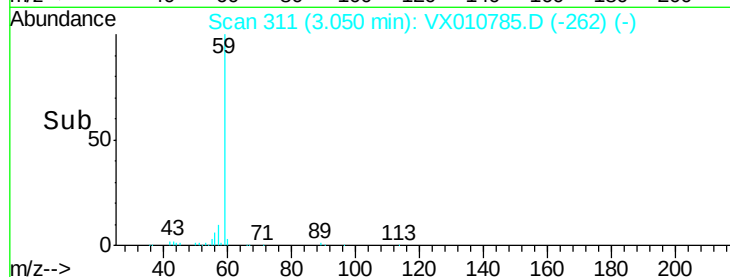
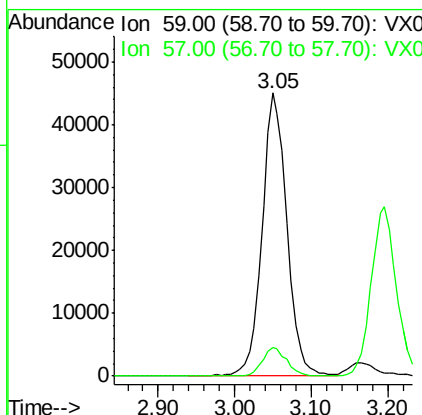
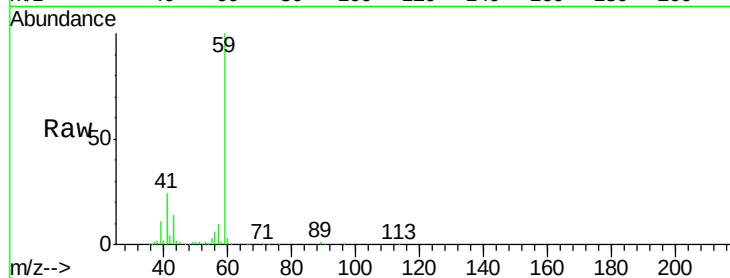
Tert butyl alcohol
Concen: 208.813 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion: 59 Resp: 102148
Ion Ratio Lower Upper
59 100
57 10.2 7.7 11.5

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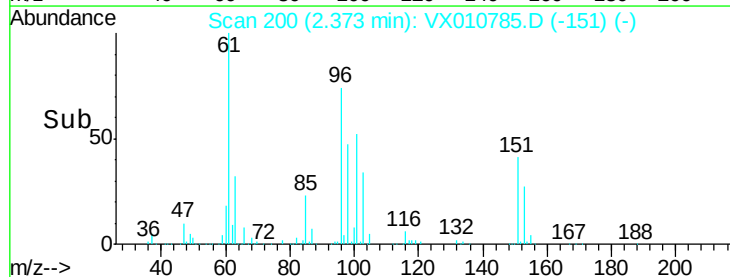
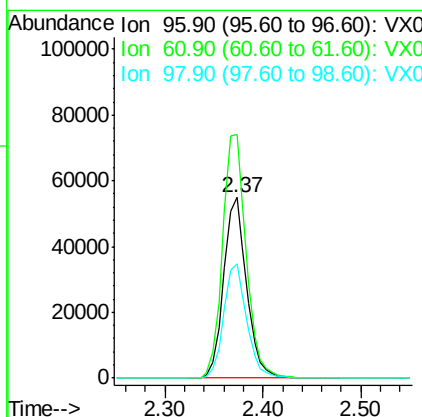
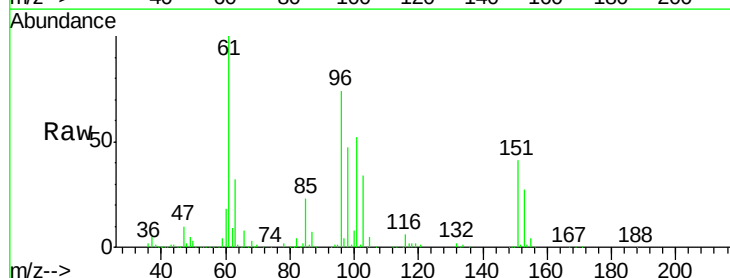
MMDadoda
7/11/2019 10:54:07 AM

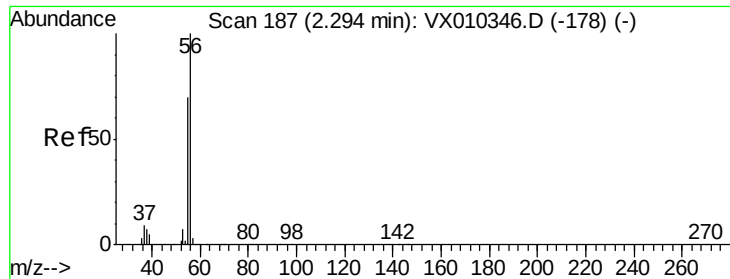


#12

1,1-Dichloroethene
Concen: 51.713 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion: 96 Resp: 89374
Ion Ratio Lower Upper
96 100
61 135.0 109.2 163.8
98 63.6 51.1 76.7





#13

Acrolein

Concen: 221.246 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 56 Resp: 71797

Ion Ratio Lower Upper

56 100

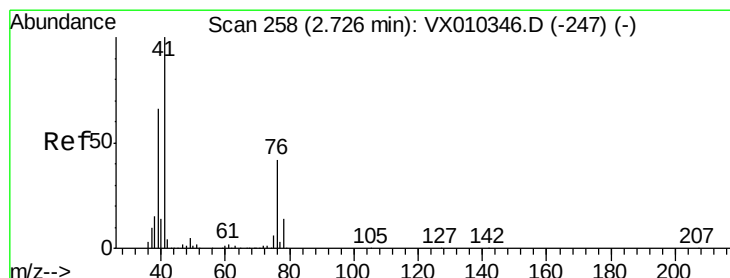
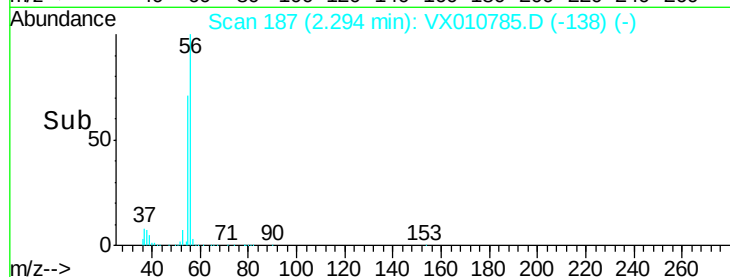
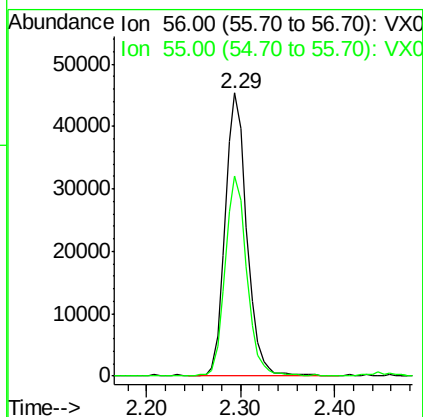
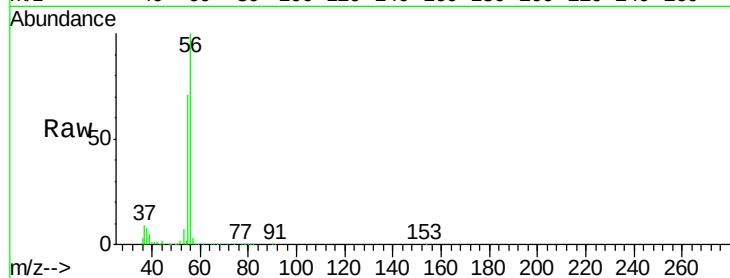
55 70.8 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 51.766 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

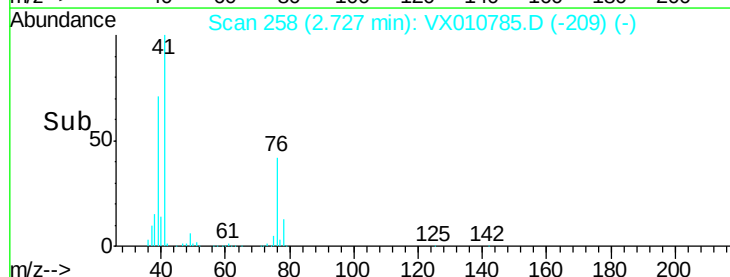
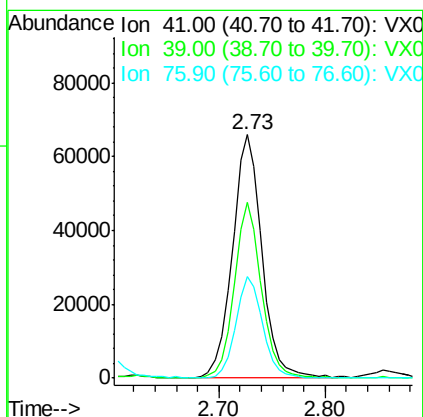
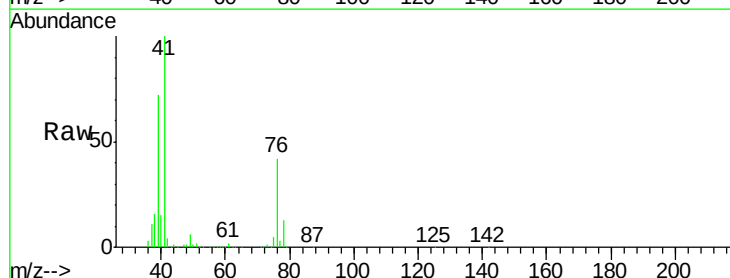
Tgt Ion: 41 Resp: 127016

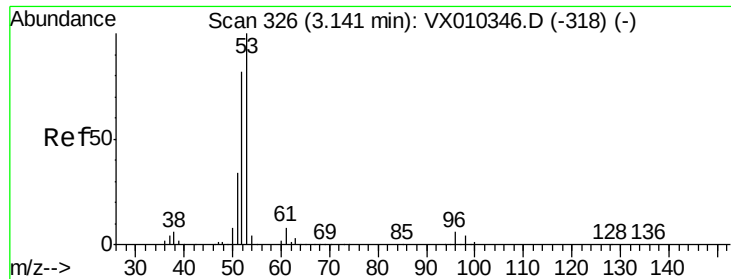
Ion Ratio Lower Upper

41 100

39 66.5 50.3 75.5

76 38.0 31.3 46.9





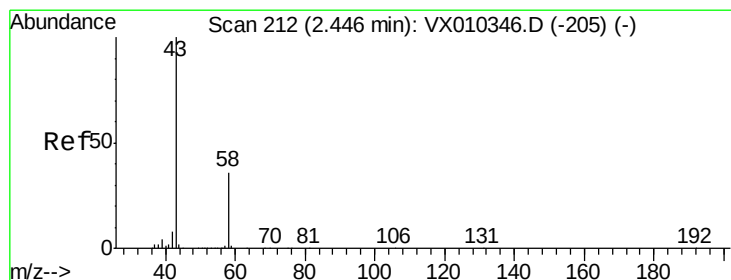
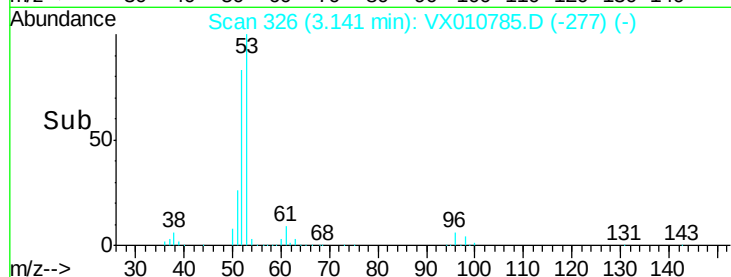
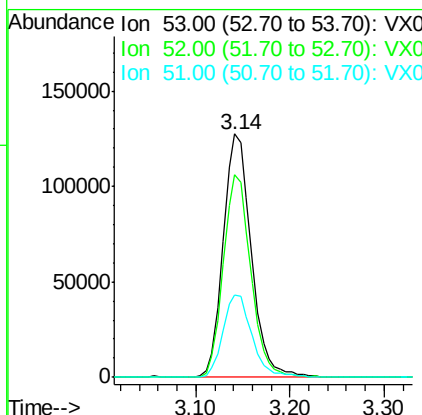
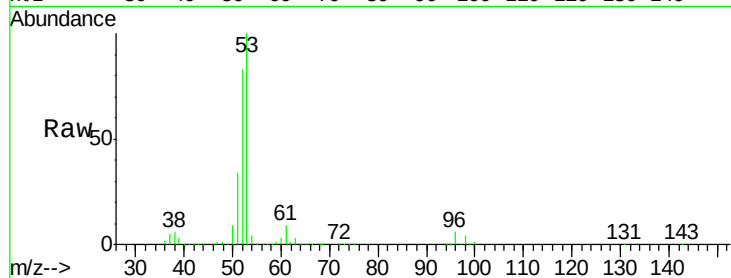
#15
 Acrylonitrile
 Concen: 271.276 ug/l
 RT: 3.14 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	35.3	28.2	42.4

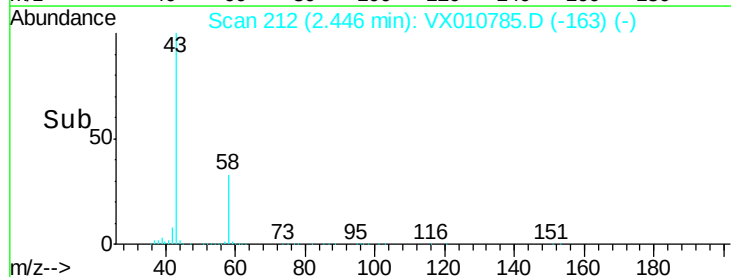
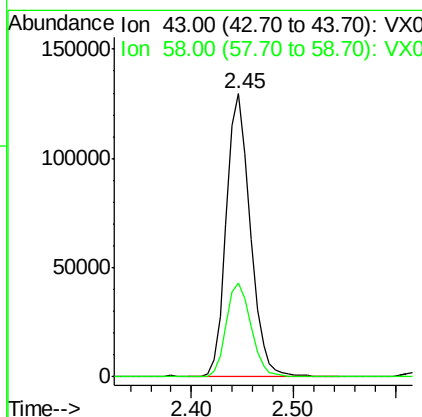
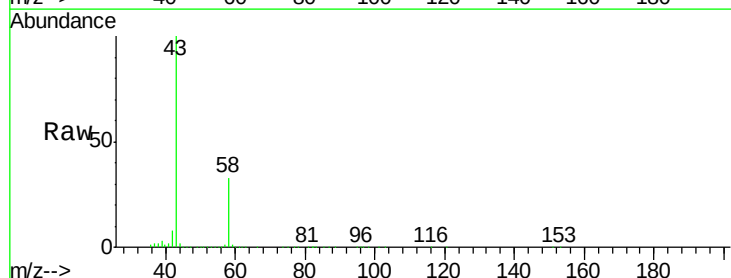
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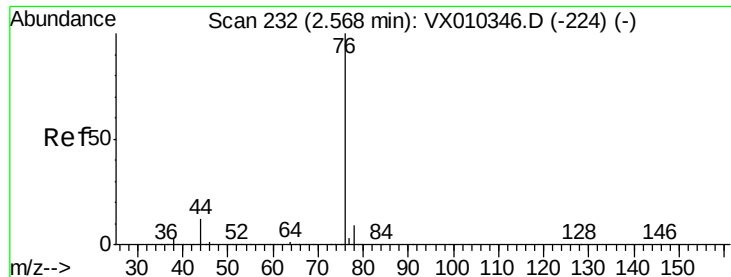
MMDadoda
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#16
 Acetone
 Concen: 223.569 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.0	28.9	43.3





#17

Carbon Disulfide

Concen: 46.072 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 76 Resp: 213623

Ion Ratio Lower Upper

76 100

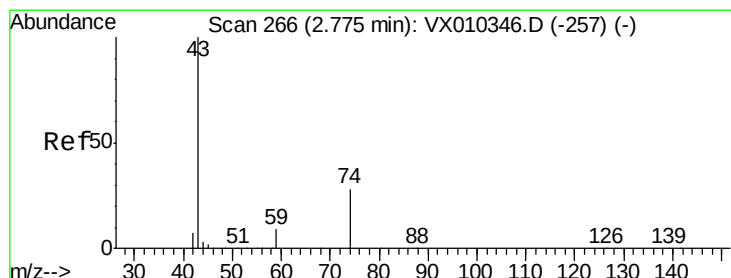
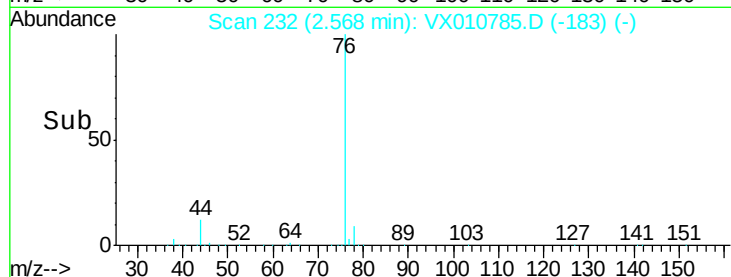
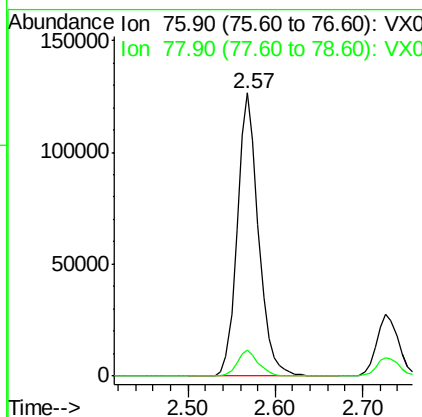
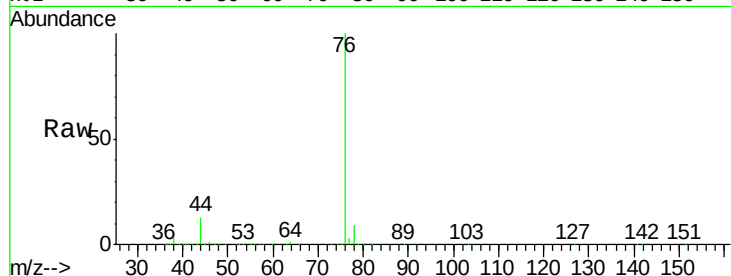
78 9.2 7.3 10.9

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#18

Methyl Acetate

Concen: 50.946 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010785.D

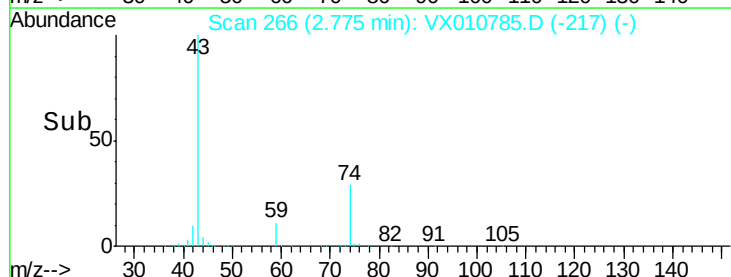
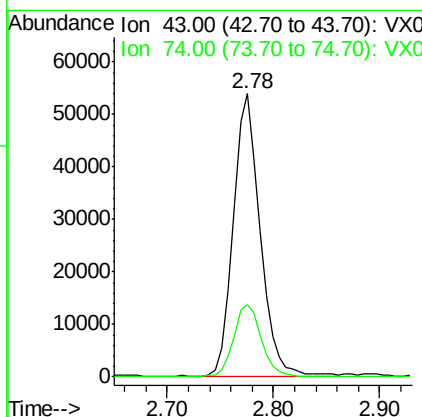
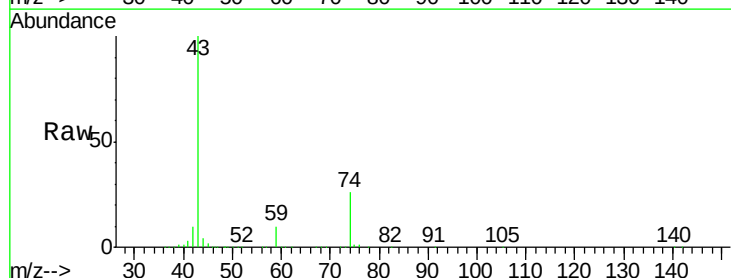
Acq: 10 Jul 2019 18:19

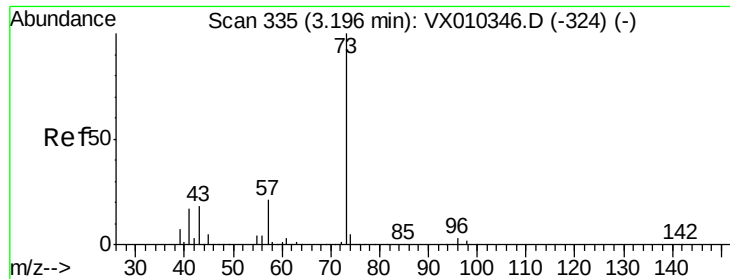
Tgt Ion: 43 Resp: 95135

Ion Ratio Lower Upper

43 100

74 26.8 21.3 31.9





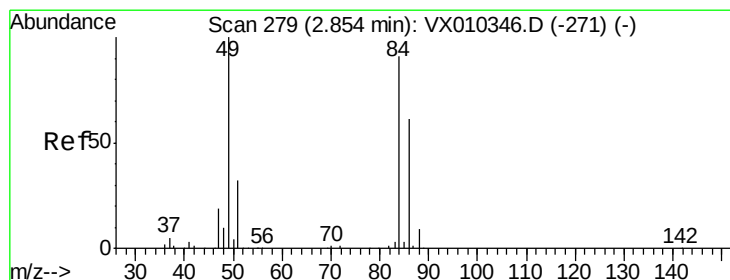
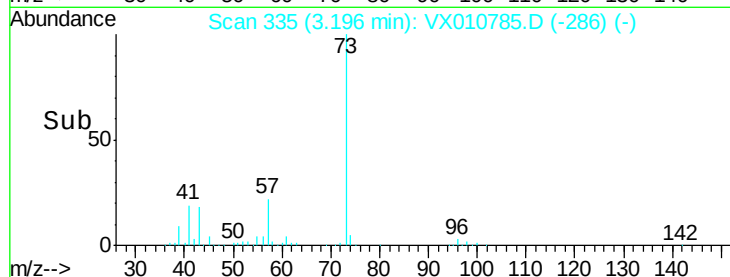
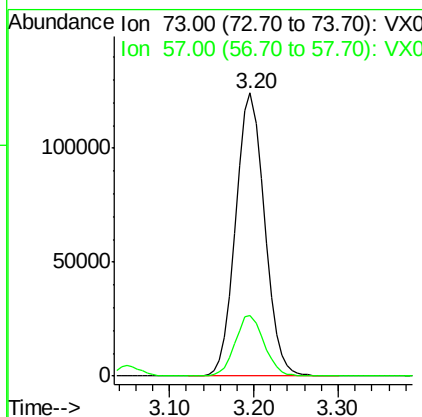
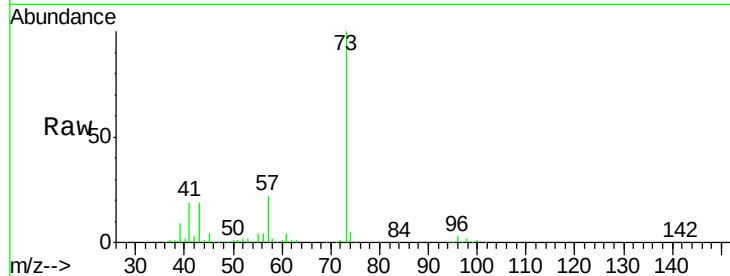
#19
Methyl tert-butyl Ether
Concen: 53.003 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion: 73 Resp: 288175
Ion Ratio Lower Upper
73 100
57 21.6 16.4 24.6

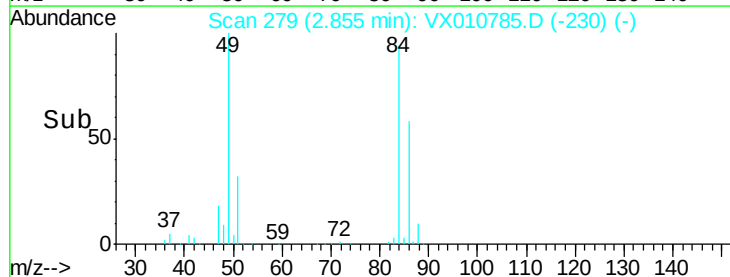
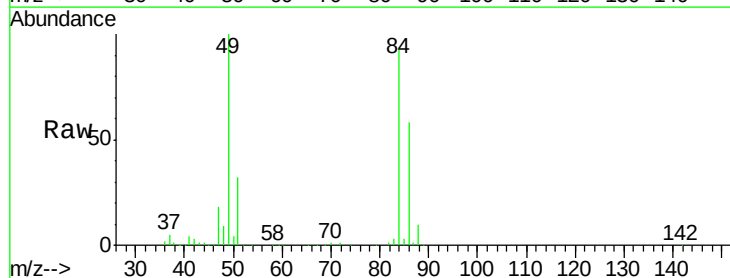
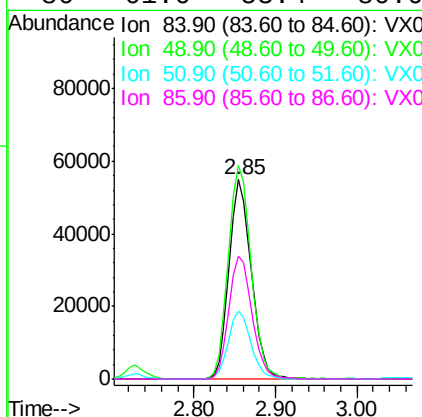
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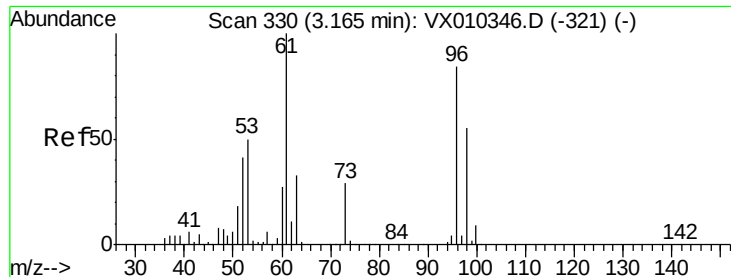
MMDadoda
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#20
Methylene Chloride
Concen: 53.630 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion: 84 Resp: 103406
Ion Ratio Lower Upper
84 100
49 106.8 87.5 131.3
51 33.9 27.7 41.5
86 61.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.208 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

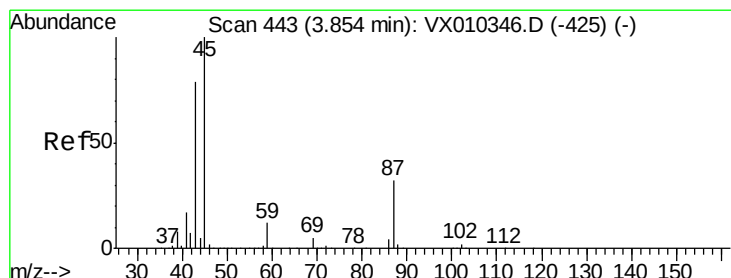
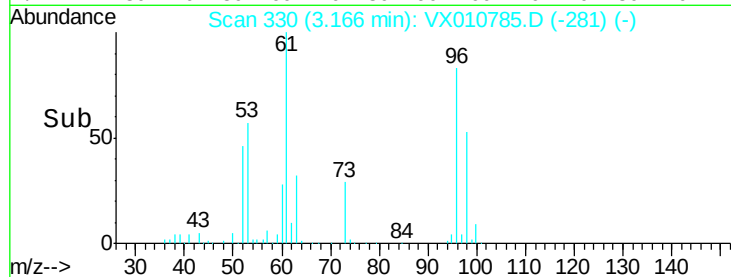
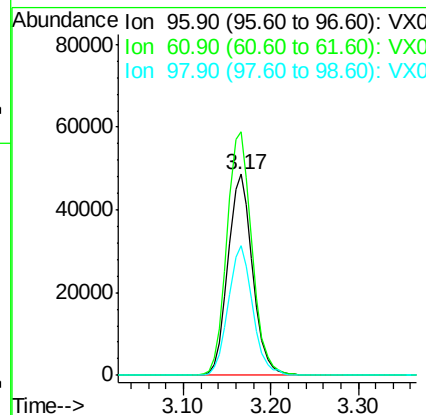
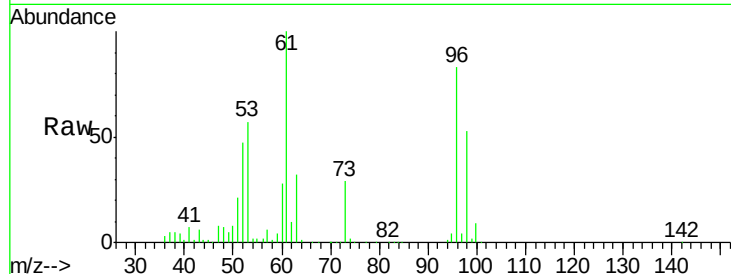
ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion:	96	Resp:	95185
Ion	Ratio	Lower	Upper
96	100		
61	120.8	95.6	143.4
98	64.4	52.5	78.7

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#22

Diisopropyl ether

Concen: 53.944 ug/l

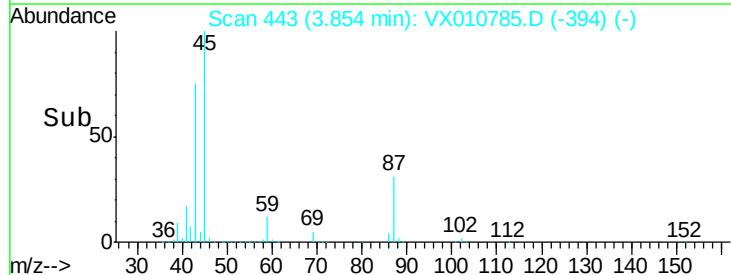
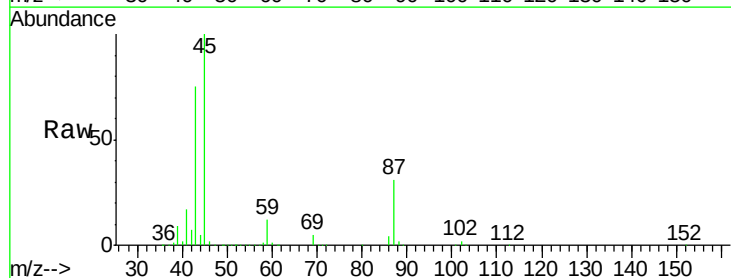
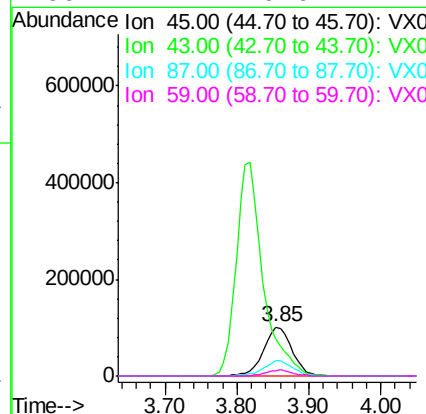
RT: 3.85 min Scan# 443

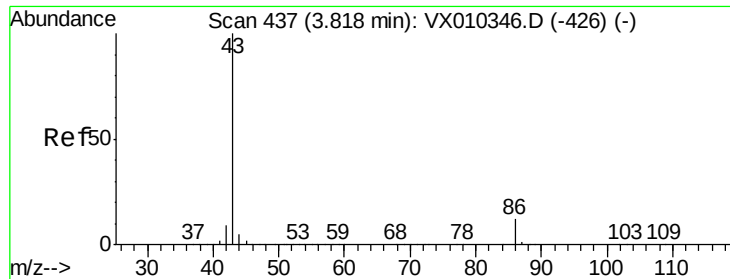
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion:	45	Resp:	276736
Ion	Ratio	Lower	Upper
45	100		
43	74.5	63.3	94.9
87	31.0	25.8	38.8
59	11.7	9.6	14.4





#23

Vinyl Acetate

Concen: 257.755 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 43 Resp: 1142317

Ion Ratio Lower Upper

43 100

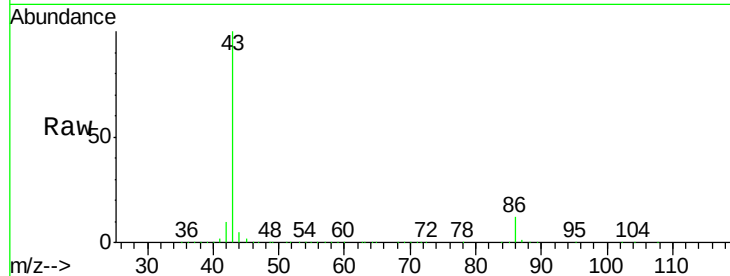
86 11.7 9.9 14.9

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.82

400000

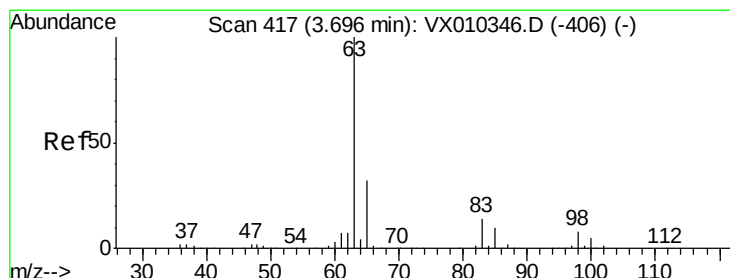
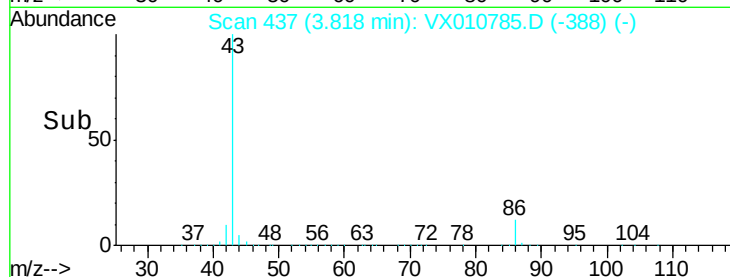
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.911 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

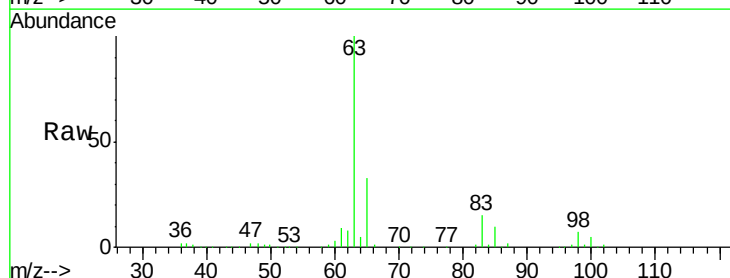
Tgt Ion: 63 Resp: 156899

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 5.3 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

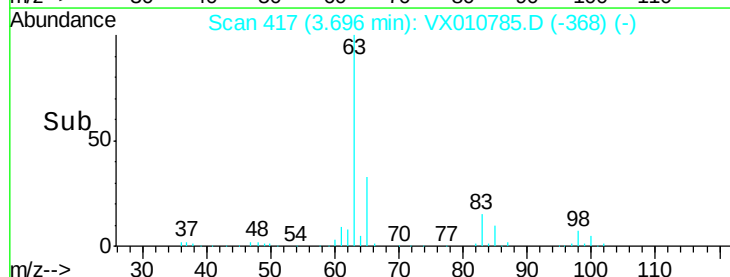
60000

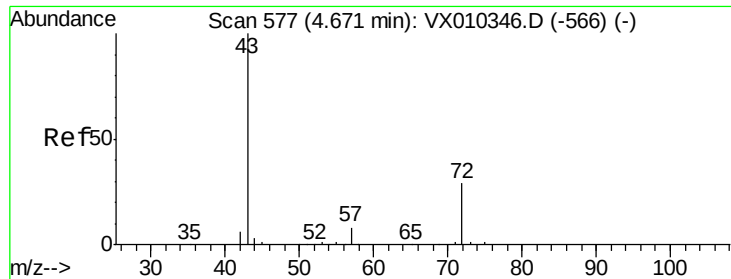
40000

20000

0

Time-->





#25

2-Butanone

Concen: 254.056 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 43 Resp: 349165

Ion Ratio Lower Upper

43 100

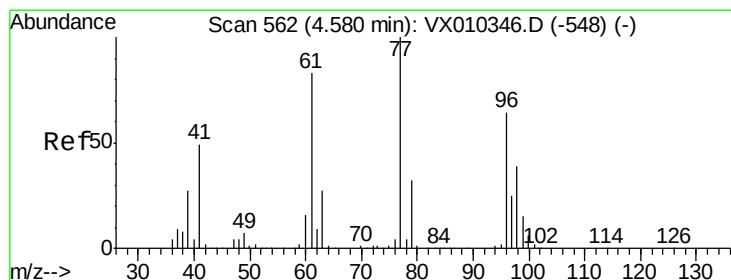
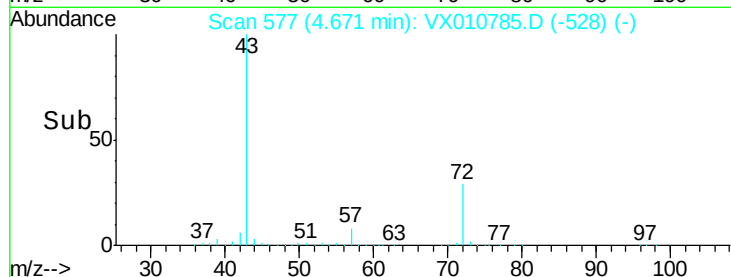
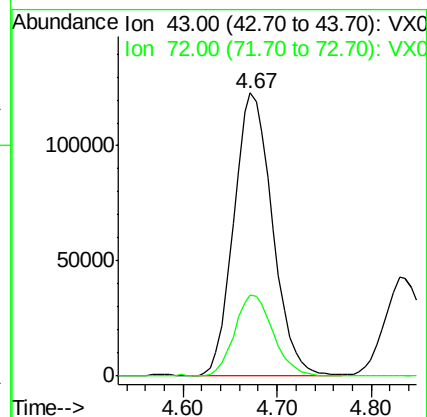
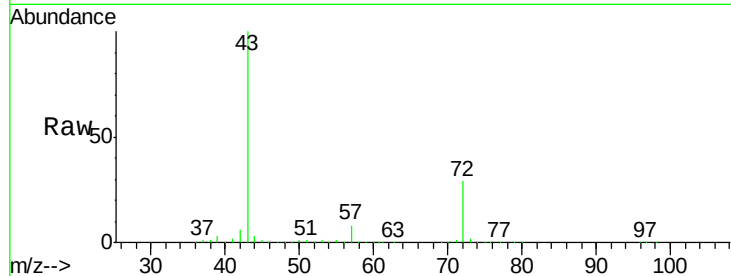
72 28.6 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 43.809 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010785.D

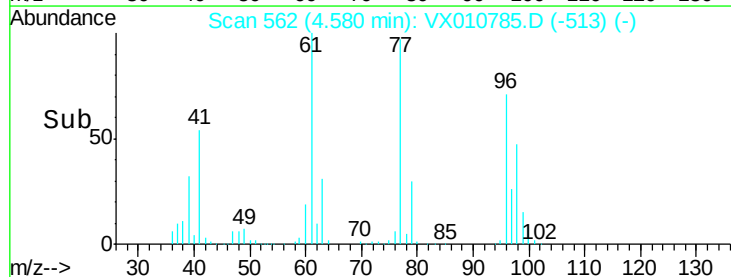
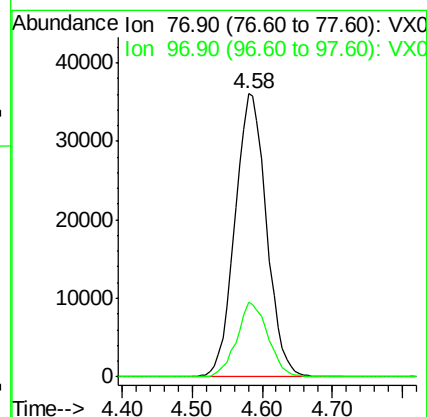
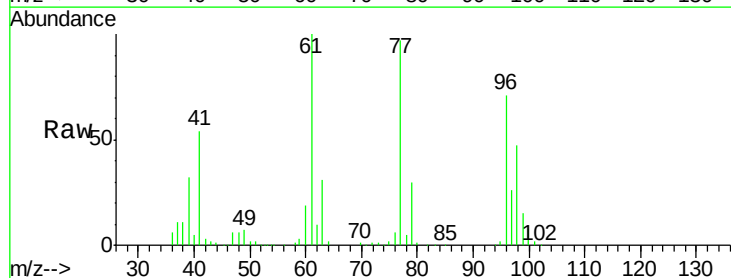
Acq: 10 Jul 2019 18:19

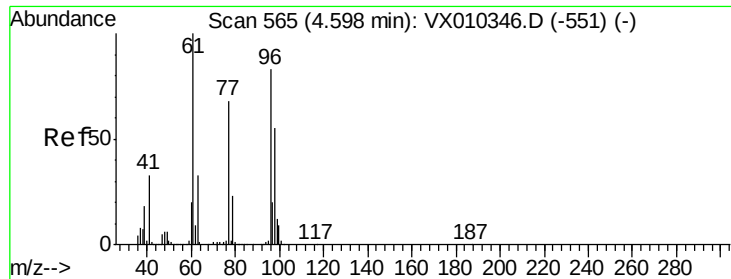
Tgt Ion: 77 Resp: 112851

Ion Ratio Lower Upper

77 100

97 26.0 13.1 39.3





#27

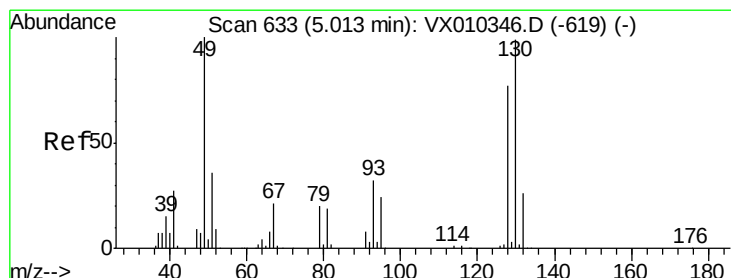
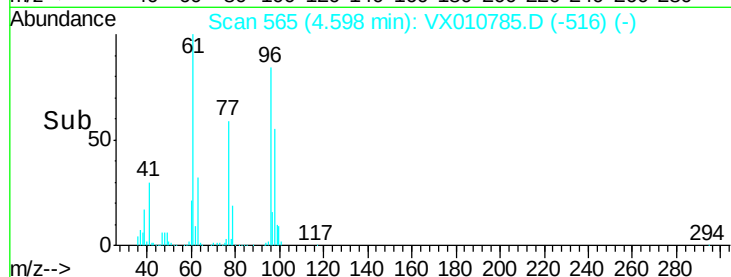
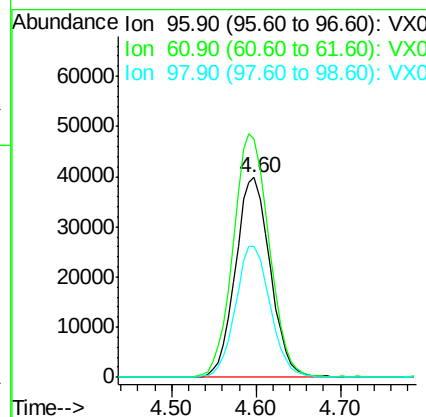
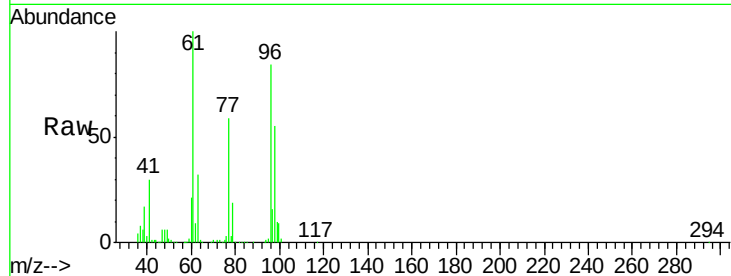
cis-1,2-Dichloroethene
 Concen: 51.779 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	111219		
61	126.6	0.0	251.8	
98	66.1	0.0	129.4	

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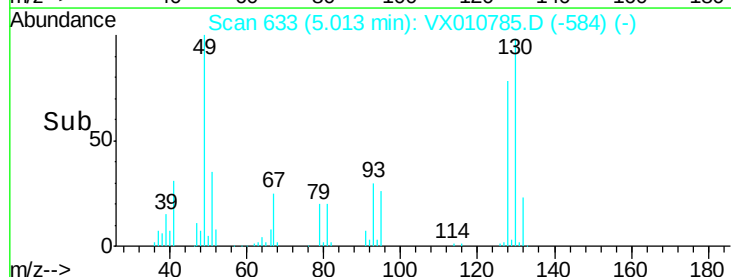
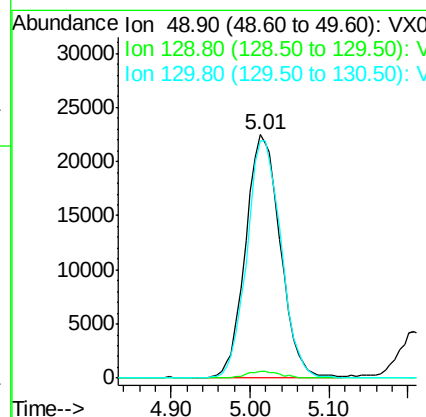
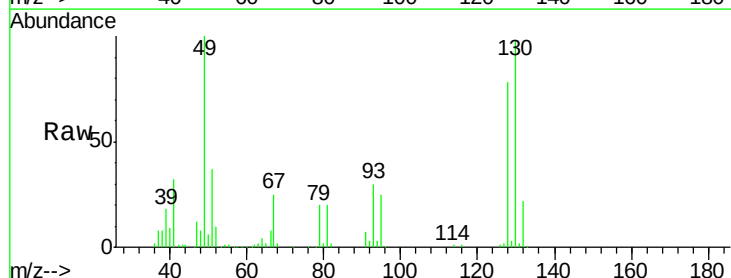
MMDadoda
 7/11/2019 10:54:07 AM

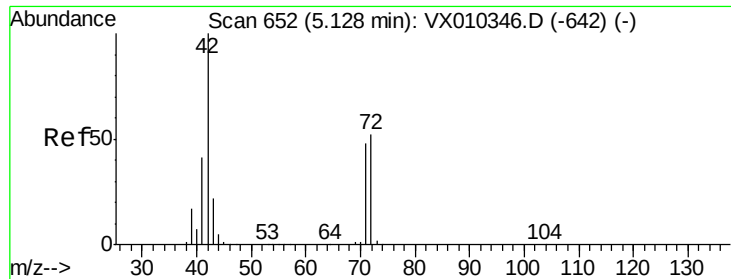


#28

Bromochloromethane
 Concen: 48.754 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	69122		
129	2.8	0.0	5.6	
130	95.7	81.4	122.0	





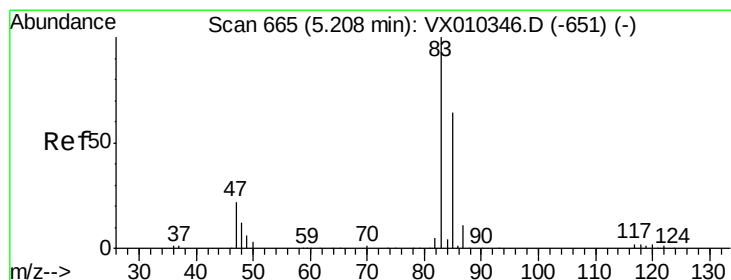
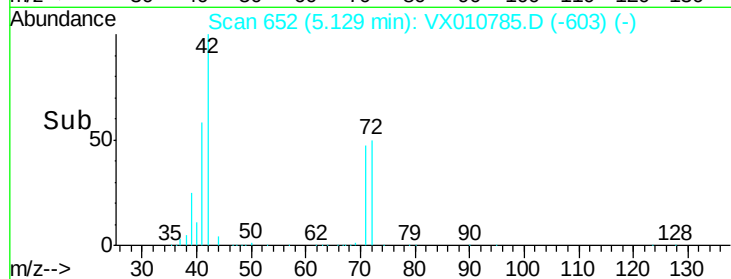
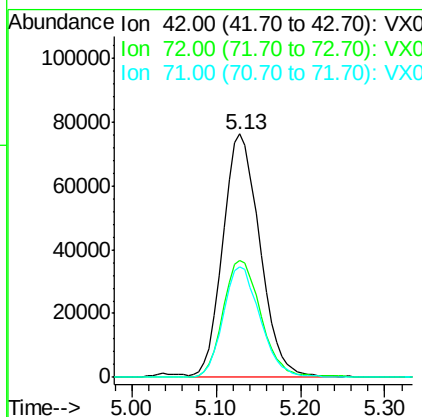
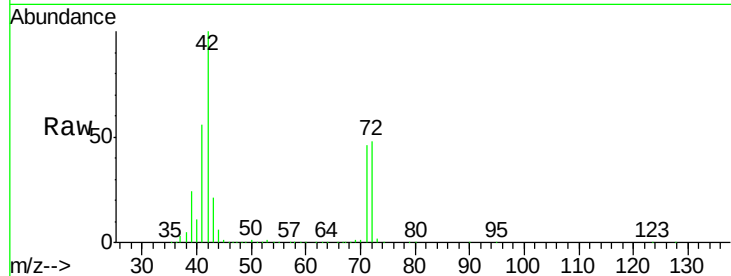
#29
Tetrahydrofuran
Concen: 266.828 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.7	40.6	60.8
71	46.0	37.8	56.8

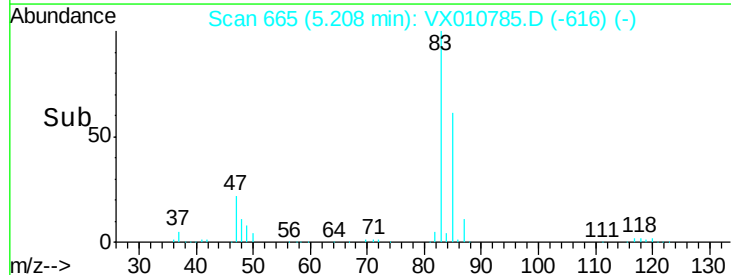
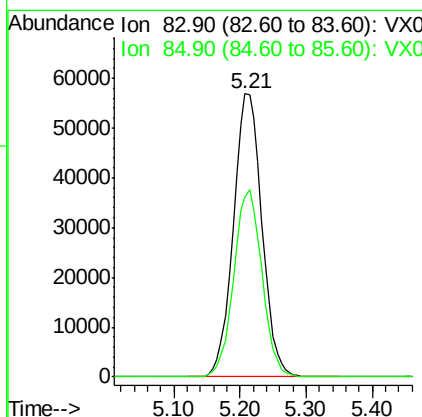
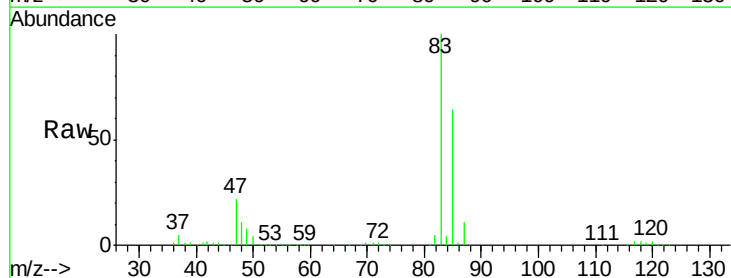
Manual Integrations
APPROVED

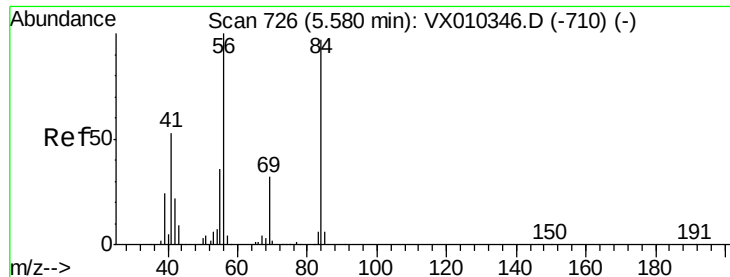
MMDadoda
7/11/2019 10:54:07 AM



#30
Chloroform
Concen: 53.446 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3





#31

Cyclohexane

Concen: 52.373 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

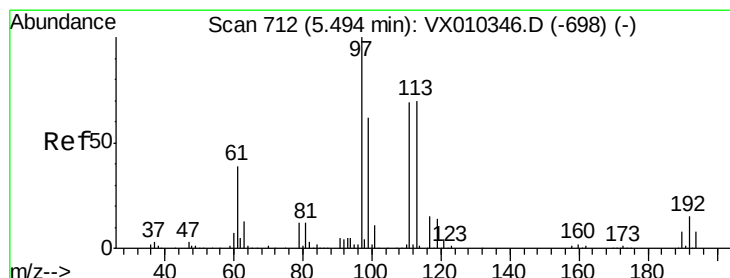
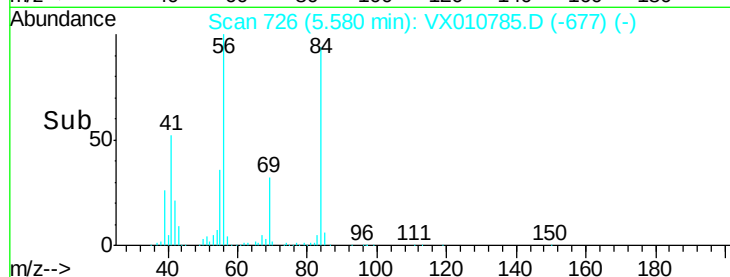
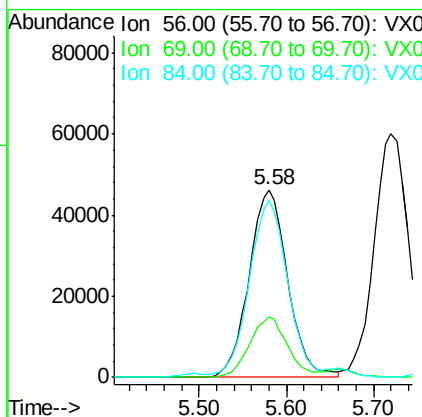
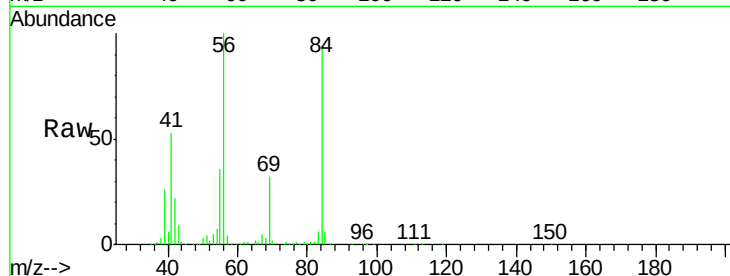
ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion:	56	Resp:	141427
Ion Ratio		Lower	Upper
56	100		
69	31.7	25.9	38.9
84	92.9	78.0	117.0

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#32

1,1,1-Trichloroethane

Concen: 51.857 ug/l

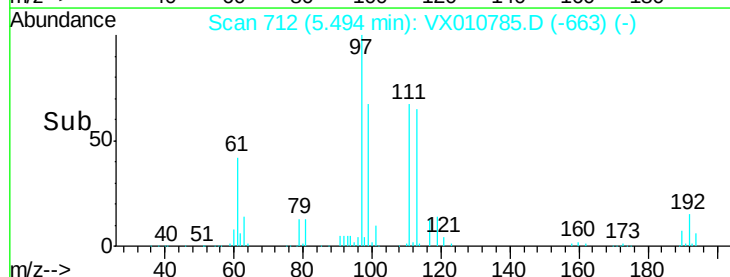
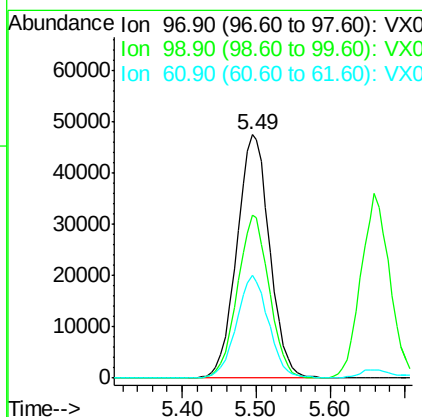
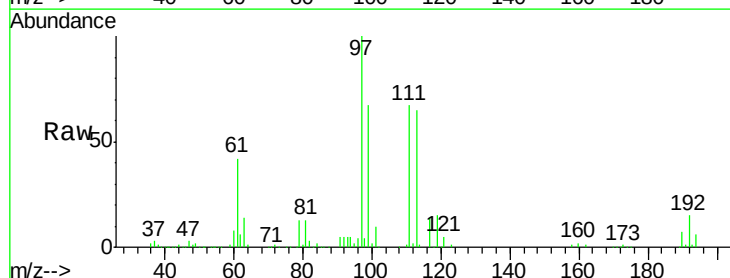
RT: 5.49 min Scan# 712

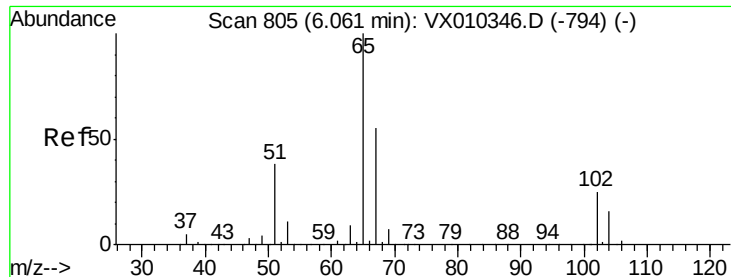
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion:	97	Resp:	146092
Ion Ratio		Lower	Upper
97	100		
99	65.3	51.8	77.8
61	41.6	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 50.928 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 65 Resp: 95210

Ion Ratio Lower Upper

65 100

67 53.5

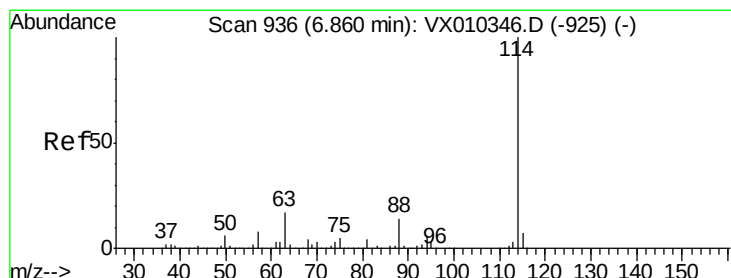
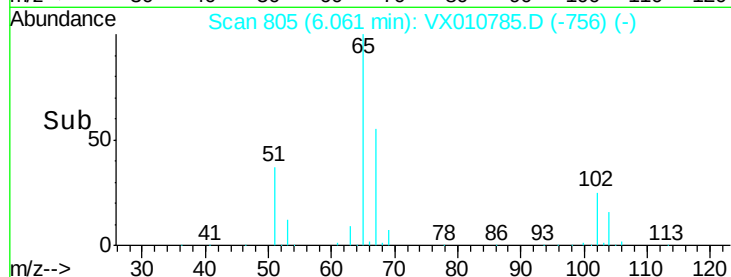
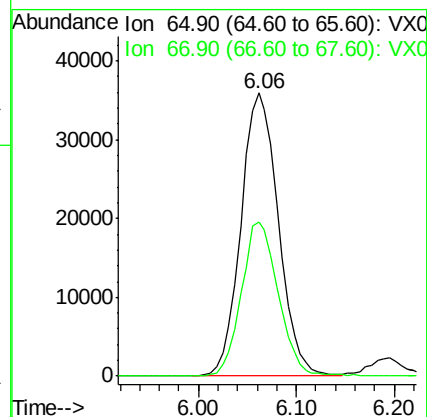
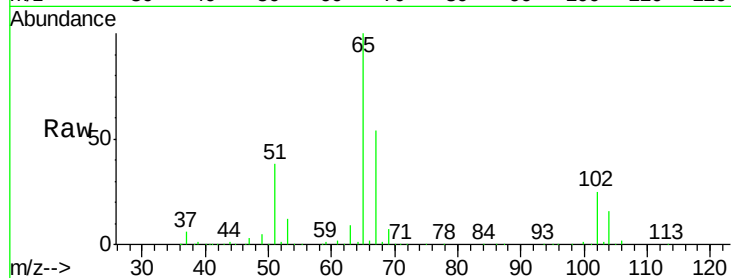
0.0 110.2

Manual Integrations

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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: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion: 114 Resp: 300738

Ion Ratio Lower Upper

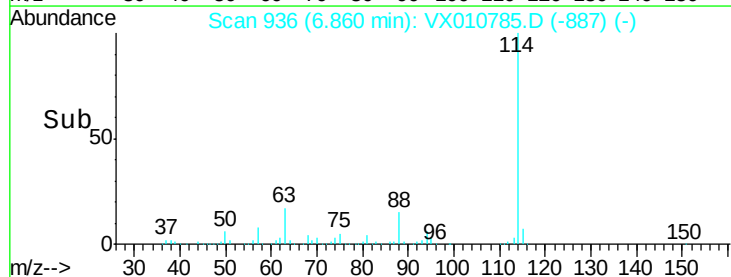
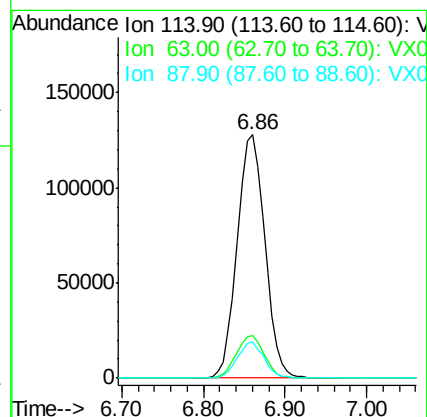
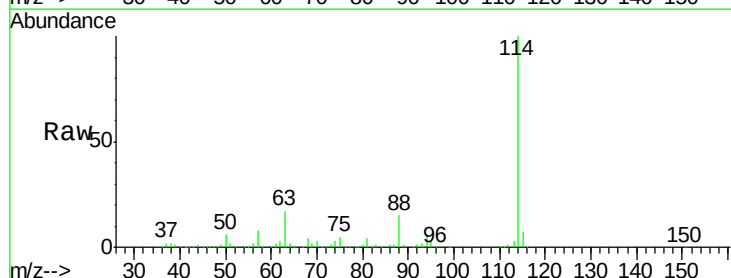
114 100

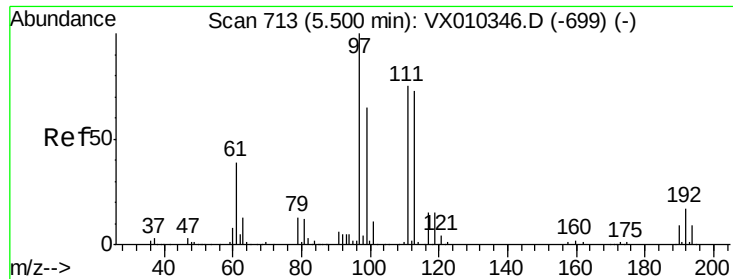
63 17.4

0.0 33.8

88 14.8

0.0 27.6





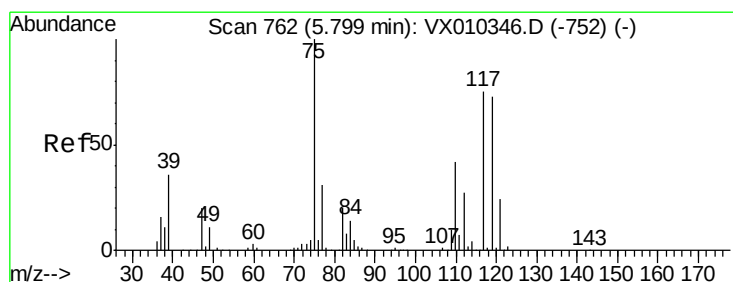
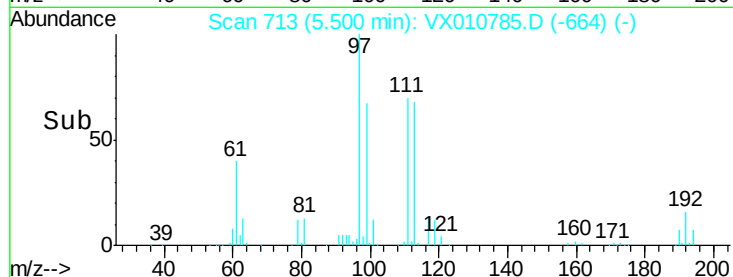
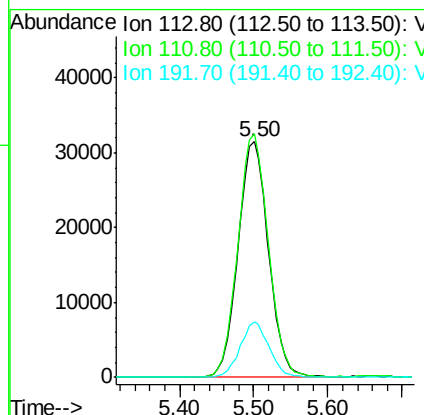
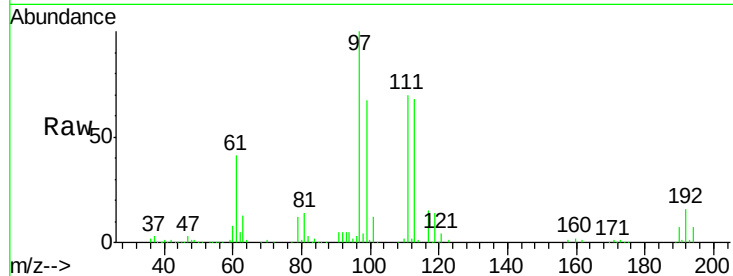
#35
Dibromofluoromethane
Concen: 49.273 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion:113 Resp: 90663
Ion Ratio Lower Upper
113 100
111 103.1 81.2 121.8
192 22.4 18.6 27.8

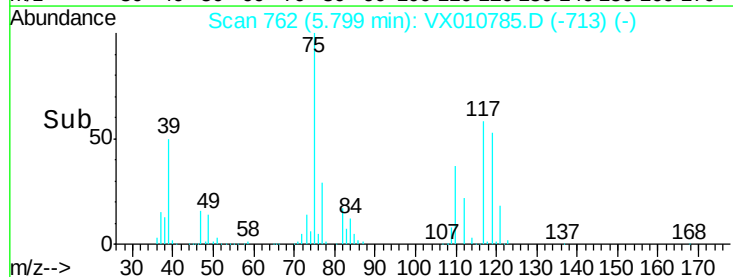
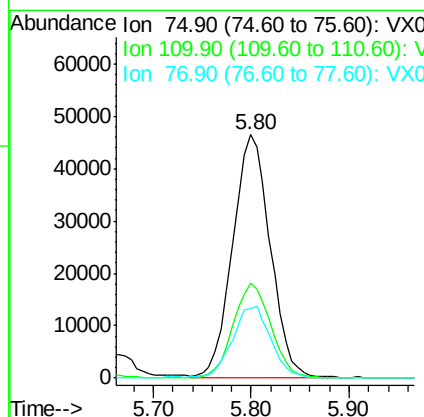
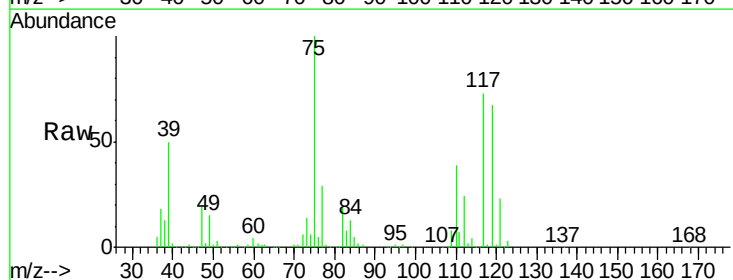
Manual Integrations
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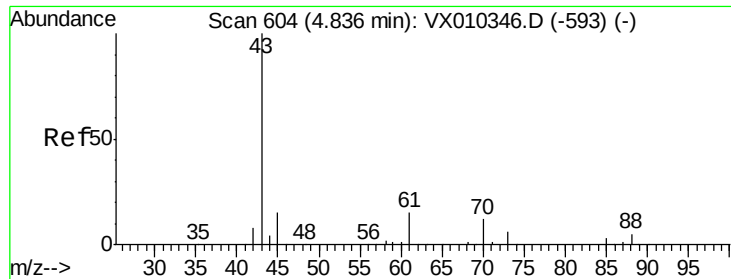
MMDadoda
7/11/2019 10:54:07 AM



#36
1,1-Dichloropropene
Concen: 51.571 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion: 75 Resp: 123247
Ion Ratio Lower Upper
75 100
110 39.5 20.8 62.2
77 30.1 25.4 38.0





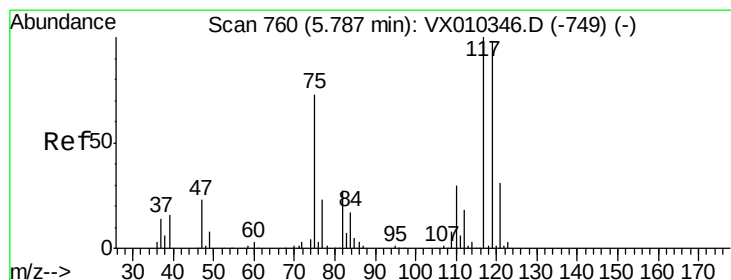
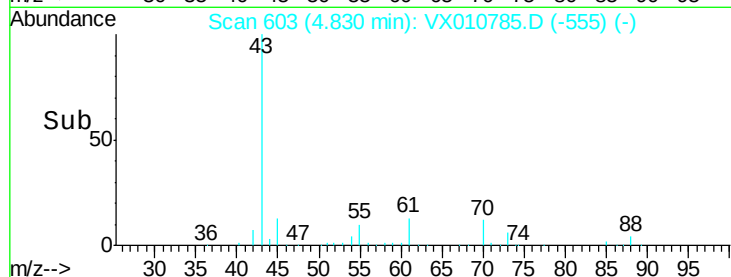
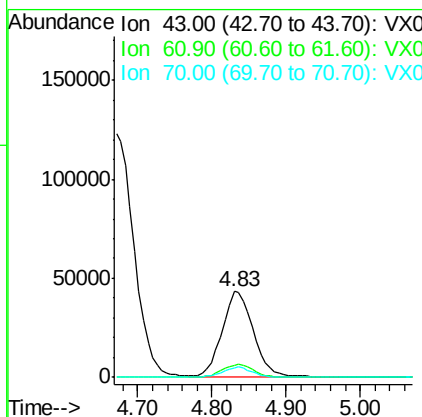
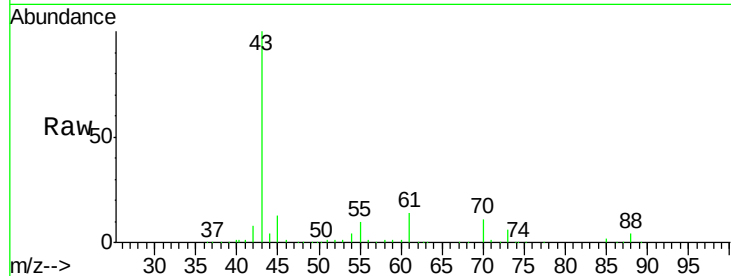
#37
Ethyl Acetate
Concen: 51.335 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	11.6	9.8	14.8

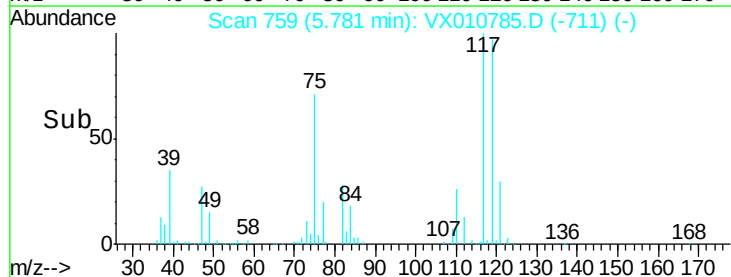
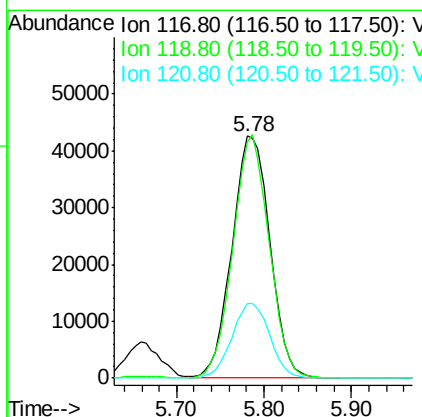
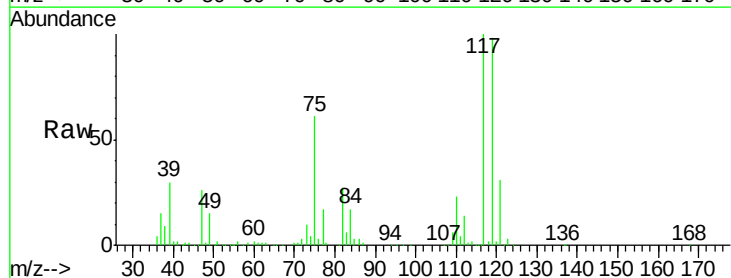
Manual Integrations
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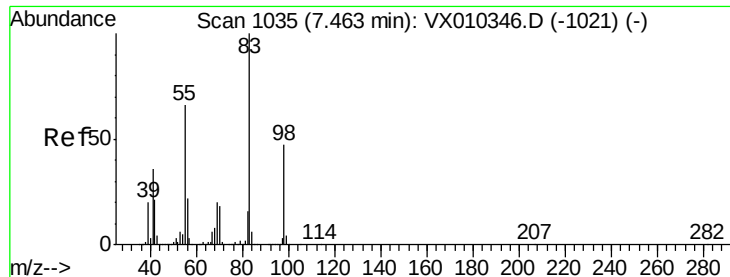
MMDadoda
7/11/2019 10:54:07 AM



#38
Carbon Tetrachloride
Concen: 49.700 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.2	117.4
121	30.9	24.7	37.1





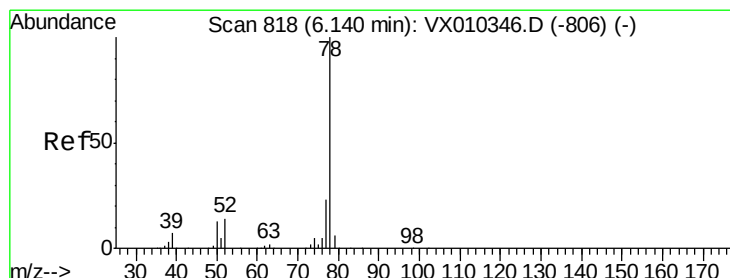
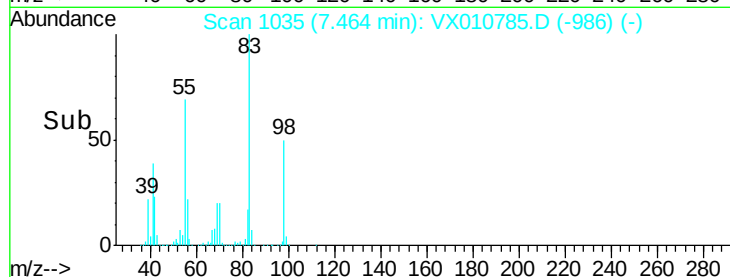
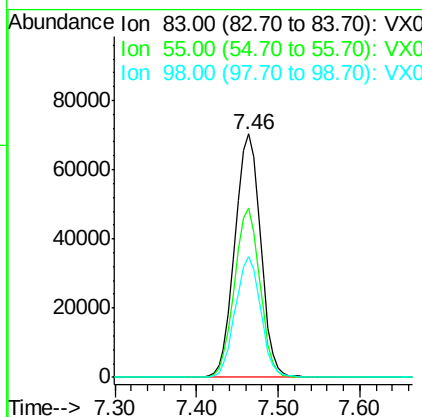
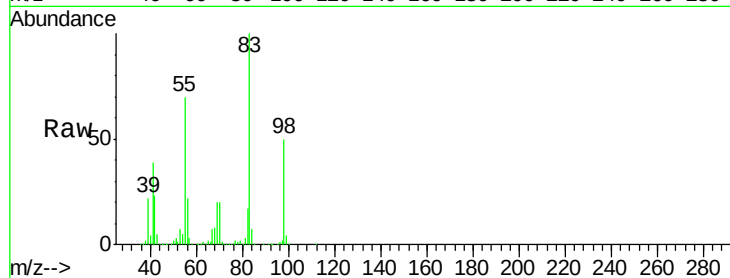
#39
Methylcyclohexane
Concen: 48.611 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.6	53.0	79.6
98	49.6	37.8	56.8

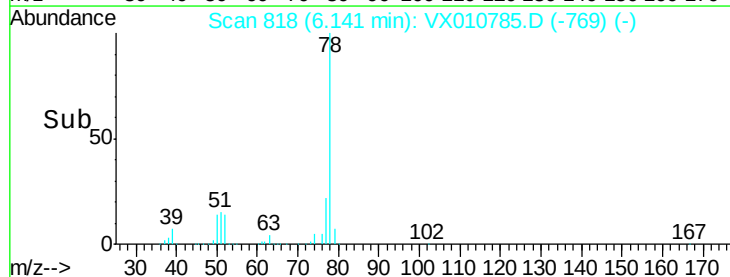
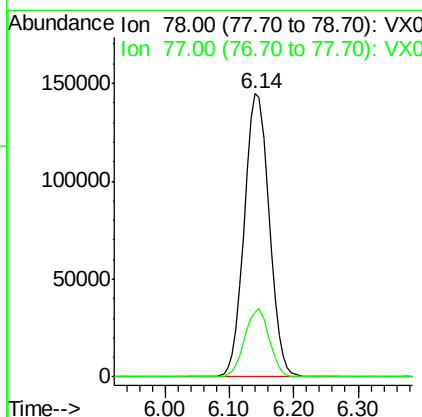
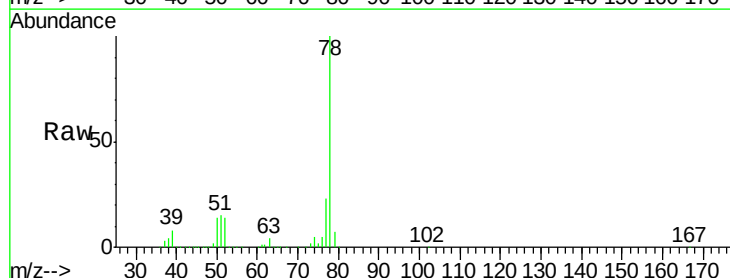
Manual Integrations
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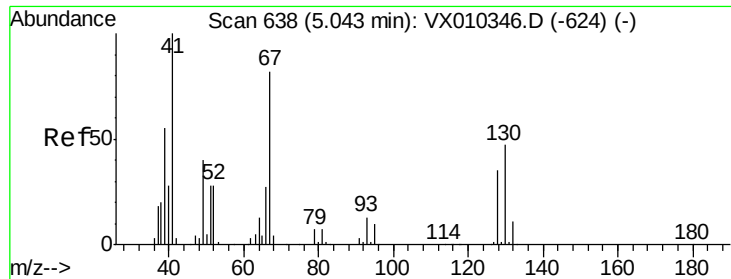
MMDadoda
7/11/2019 10:54:07 AM



#40
Benzene
Concen: 51.444 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





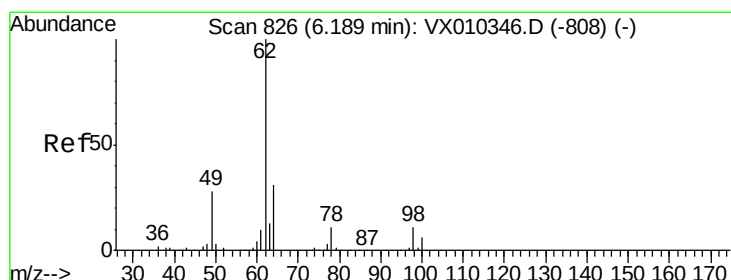
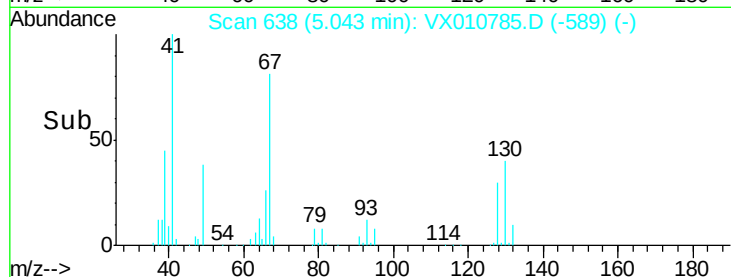
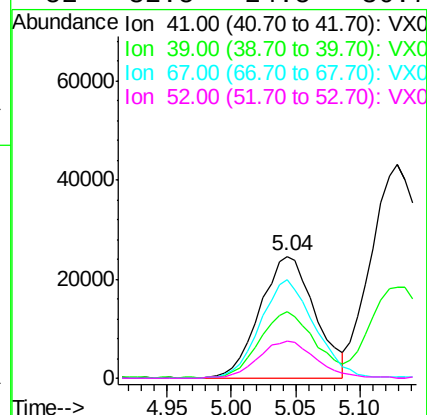
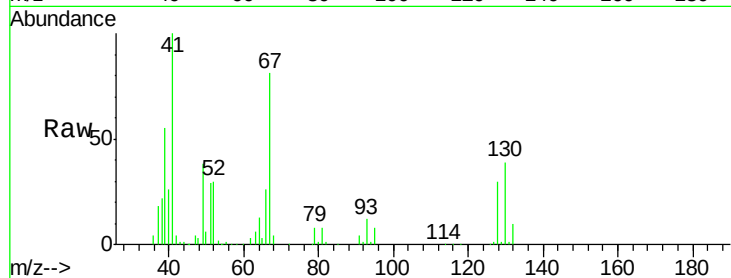
#41
Methacrylonitrile
Concen: 53.718 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.5	43.8	65.8	
67	80.5	66.6	100.0	
52	32.5	24.5	36.7	

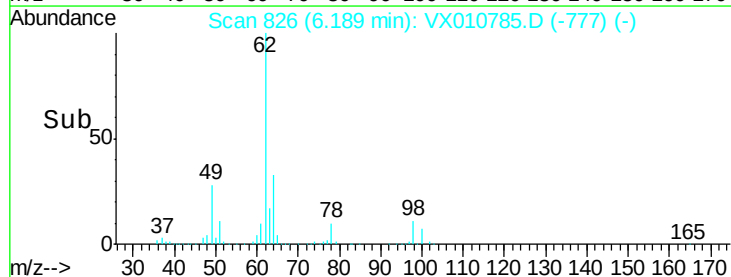
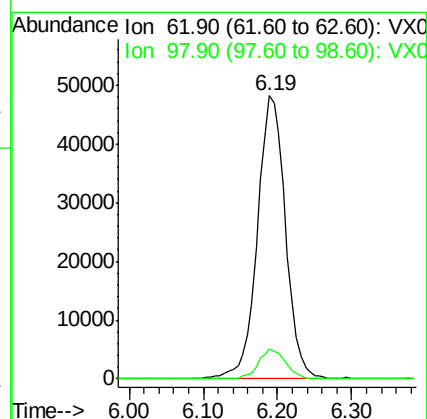
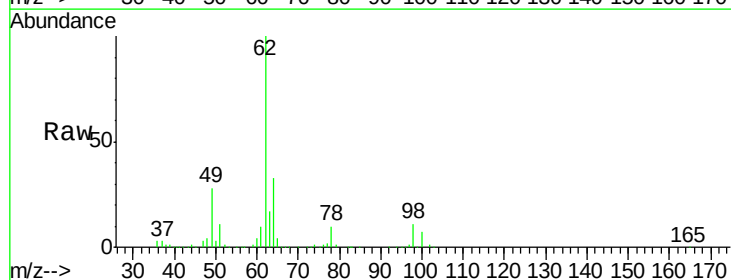
Manual Integrations
APPROVED

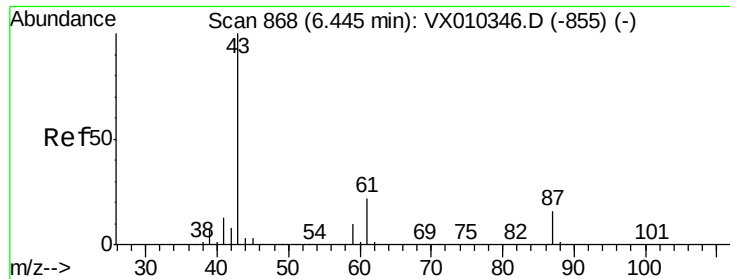
MMDadoda
7/11/2019 10:54:07 AM



#42
1,2-Dichloroethane
Concen: 56.378 ug/l
RT: 6.19 min Scan# 826
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	22.2	





#43

Isopropyl Acetate

Concen: 50.718 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

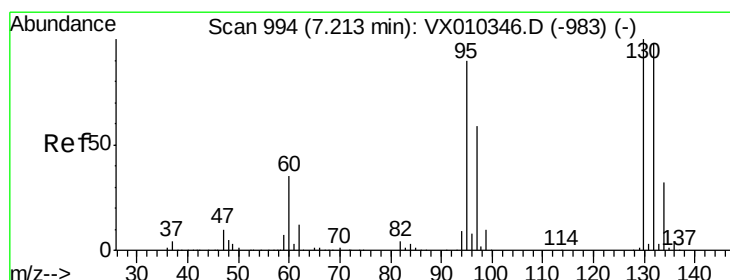
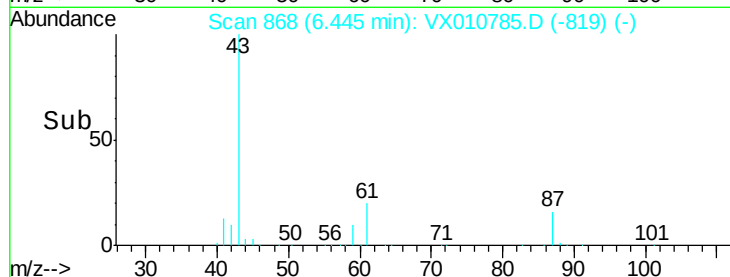
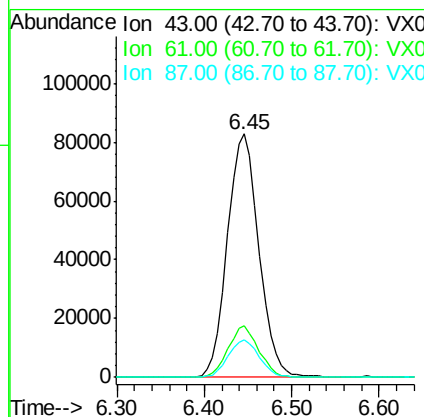
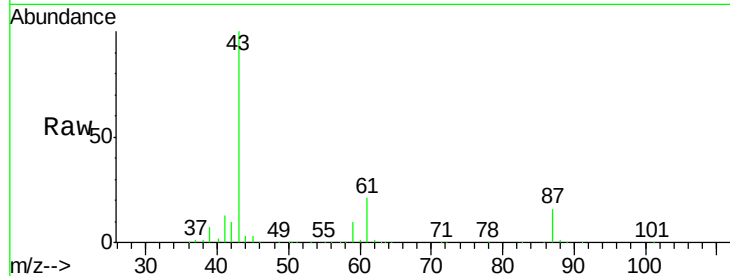
ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion:	43	Resp:	206303
Ion	Ratio	Lower	Upper
43	100		
61	20.8	17.8	26.6
87	15.5	13.0	19.4

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#44

Trichloroethene

Concen: 50.436 ug/l

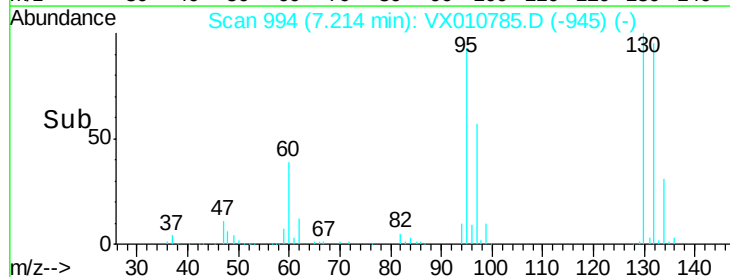
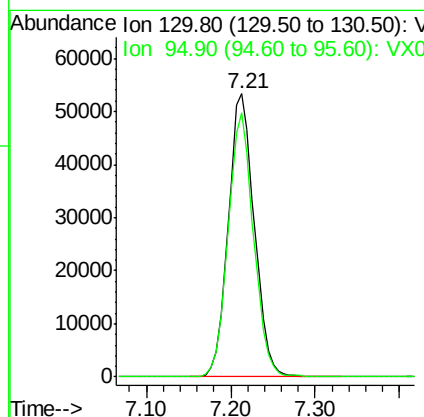
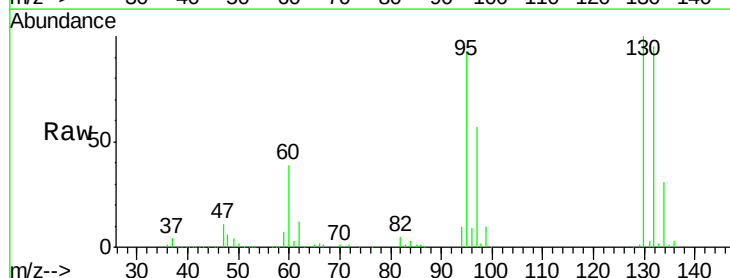
RT: 7.21 min Scan# 994

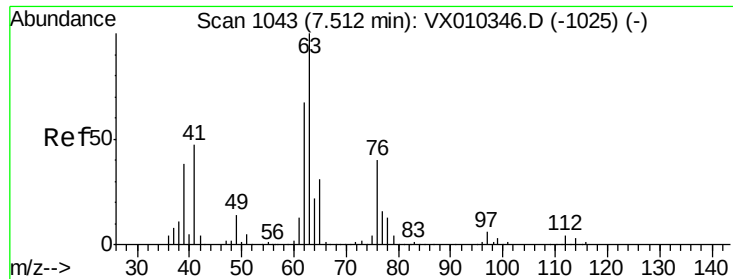
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion:	130	Resp:	112364
Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	180.8





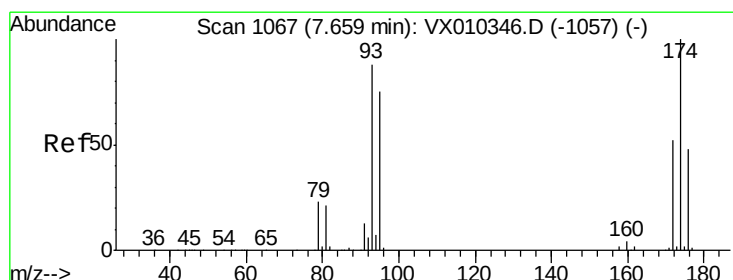
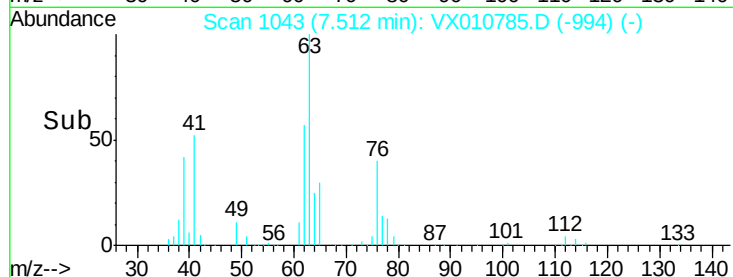
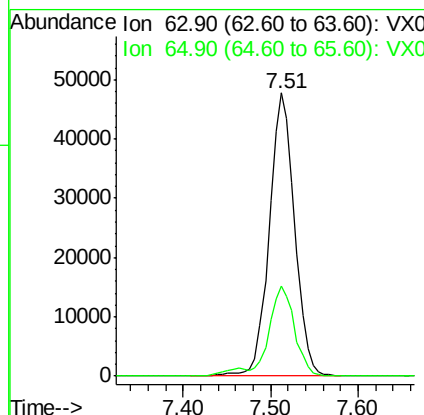
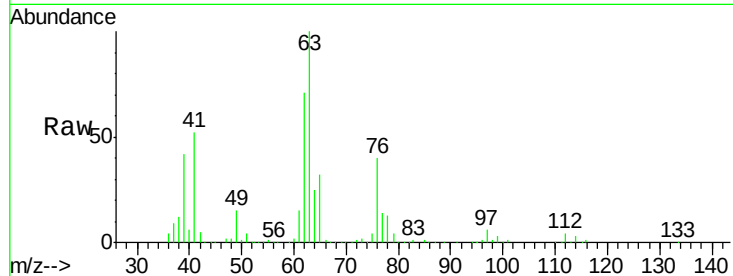
#45
 1,2-Dichloropropane
 Concen: 51.705 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion: 63 Resp: 97215
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

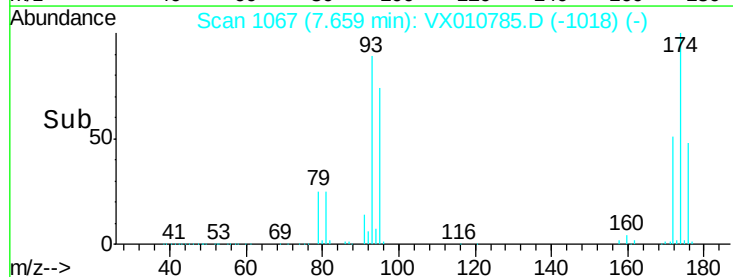
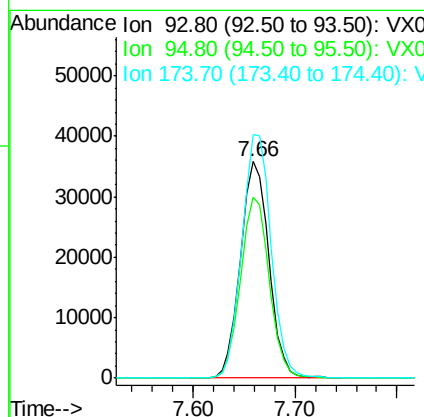
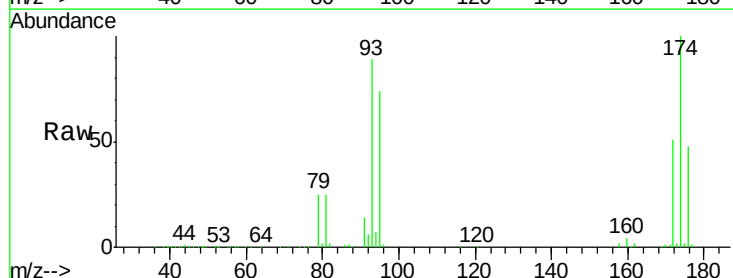
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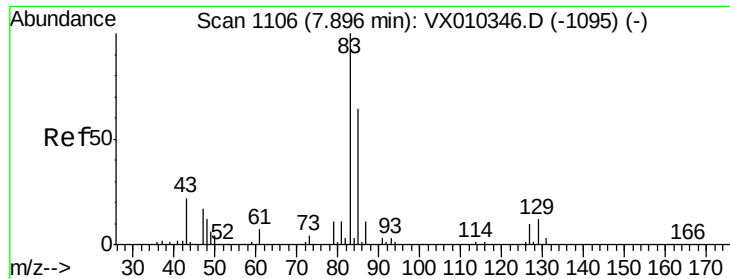
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#46
 Dibromomethane
 Concen: 51.567 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion: 93 Resp: 69563
 Ion Ratio Lower Upper
 93 100
 95 84.2 67.5 101.3
 174 115.7 95.8 143.6





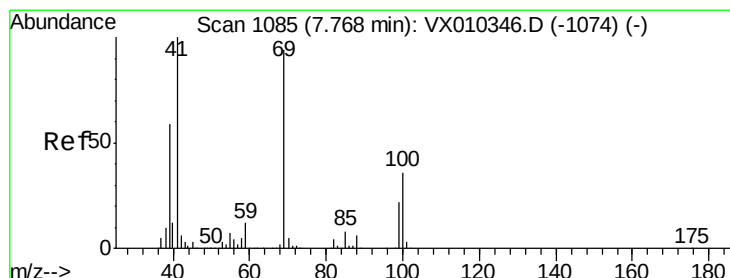
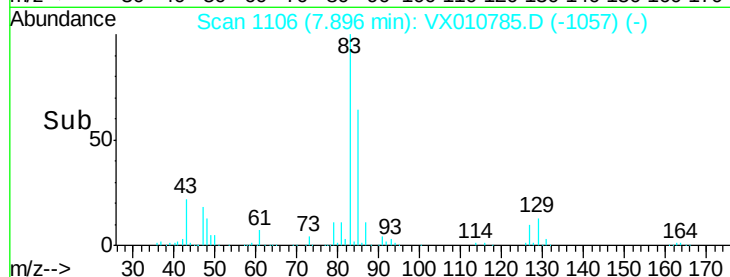
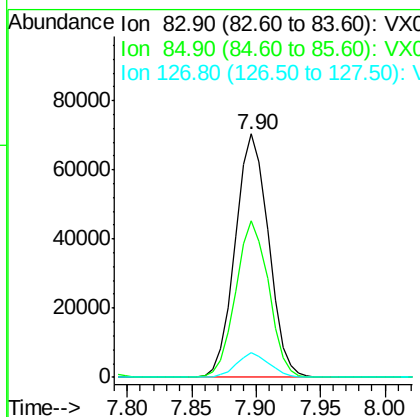
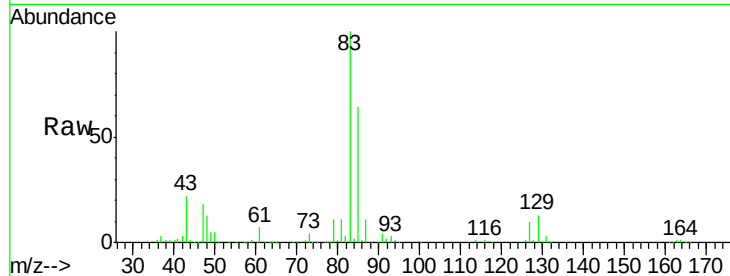
#47
Bromodichloromethane
Concen: 51.107 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3
127	9.9	7.8	11.8

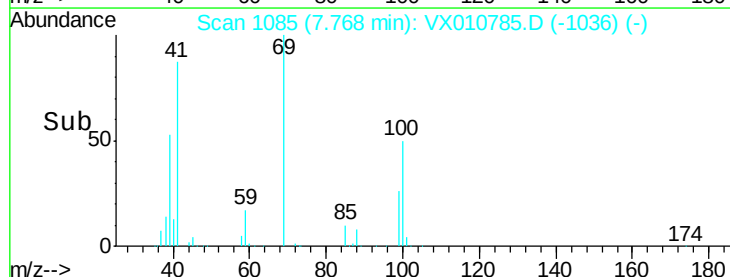
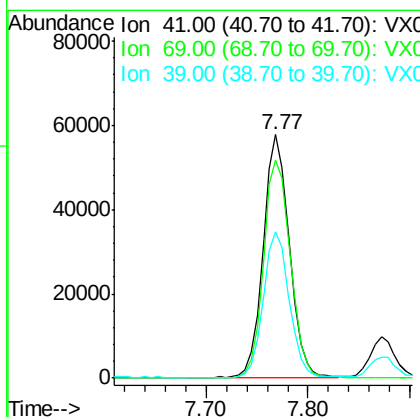
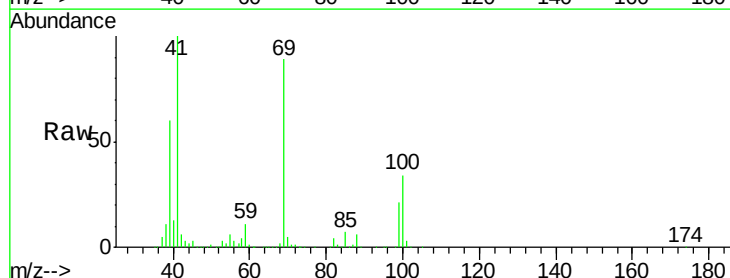
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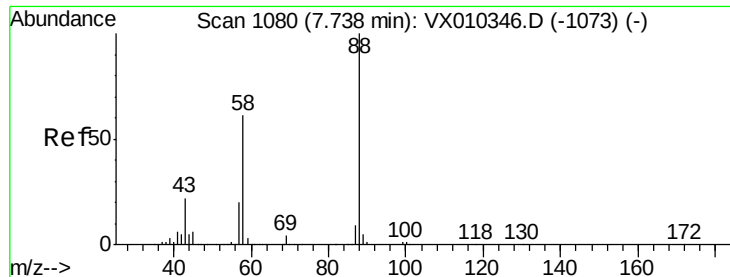
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#48
Methyl methacrylate
Concen: 54.376 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
41	100		
69	92.9	76.1	114.1
39	59.6	47.6	71.4





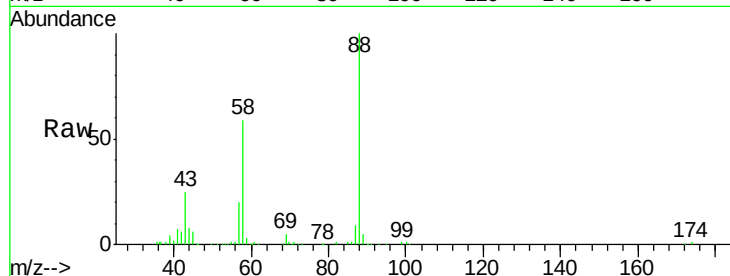
#49
1,4-Dioxane
Concen: 918.038 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

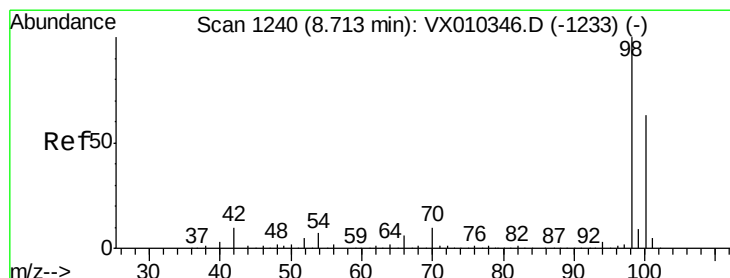
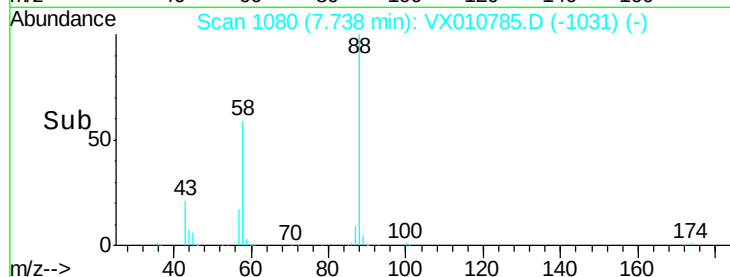
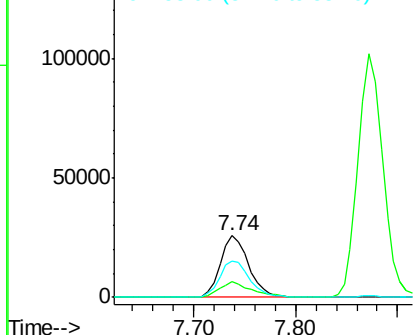
Tgt Ion	Ratio	Lower	Upper
88	100		
43	30.1	20.2	30.2
58	62.9	49.5	74.3

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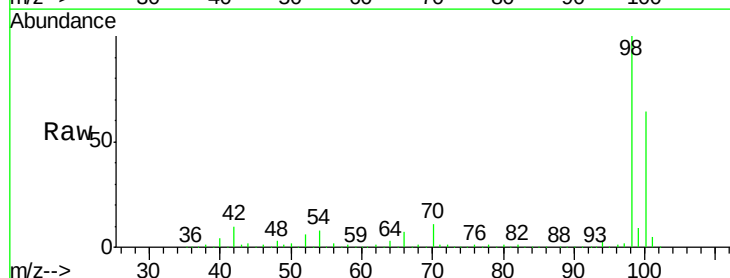


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

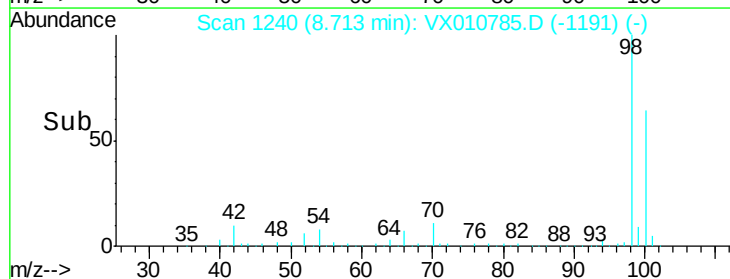
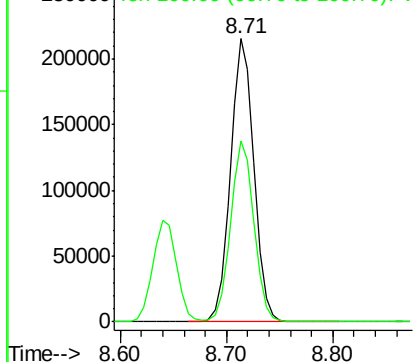


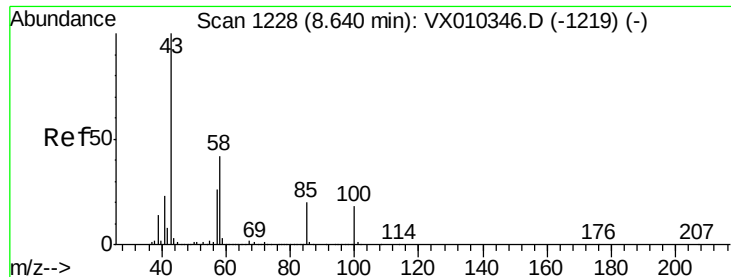
#50
Toluene-d8
Concen: 47.025 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.6	77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 275.414 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 43 Resp: 716492

Ion Ratio Lower Upper

43 100

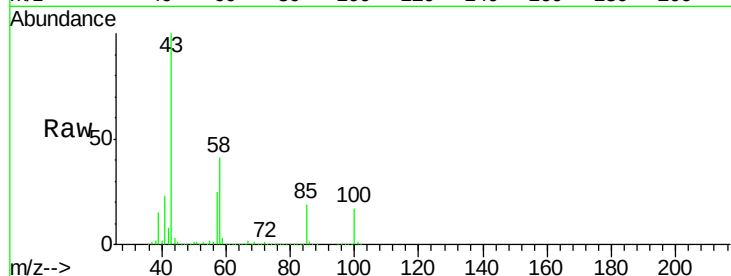
58 40.3 33.5 50.3

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

500000

400000

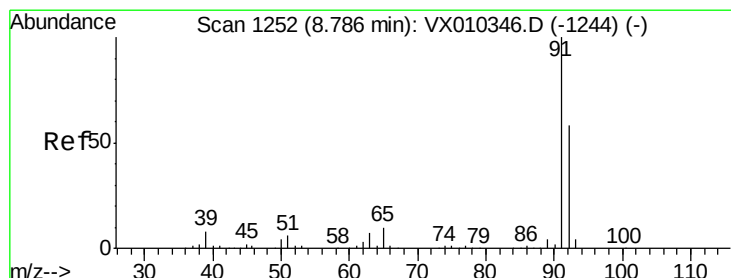
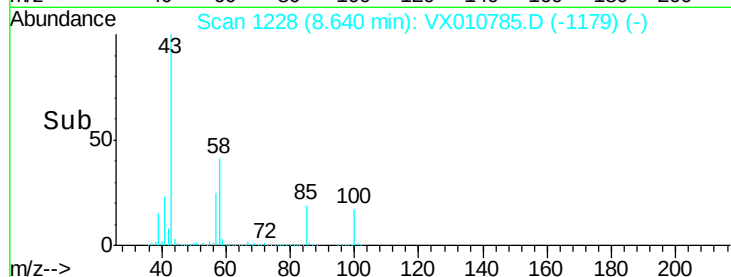
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 51.436 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX010785.D

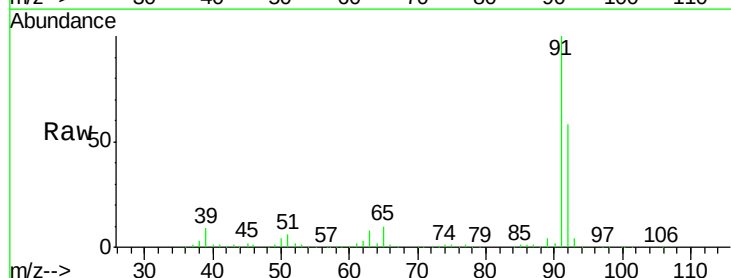
Acq: 10 Jul 2019 18:19

Tgt Ion: 92 Resp: 252196

Ion Ratio Lower Upper

92 100

91 174.0 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.78

300000

250000

200000

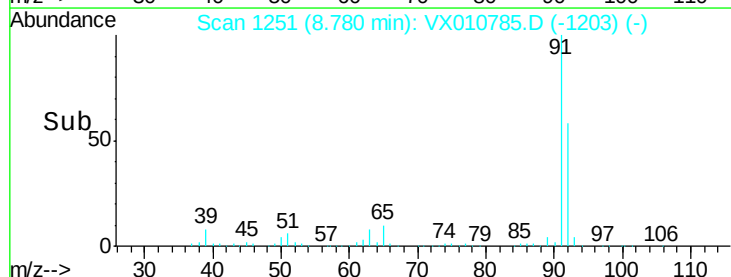
150000

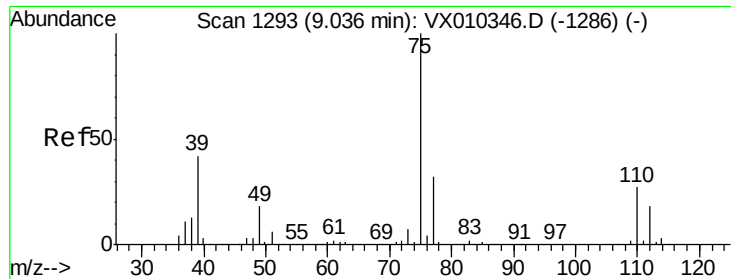
100000

50000

0

Time-->





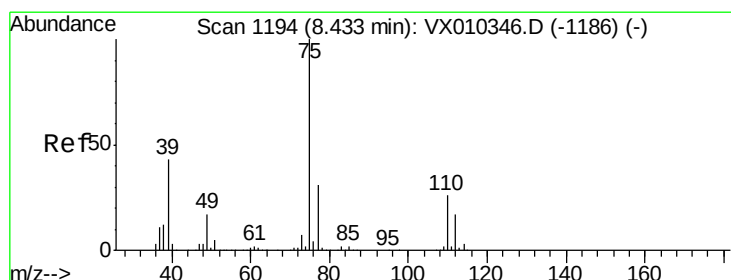
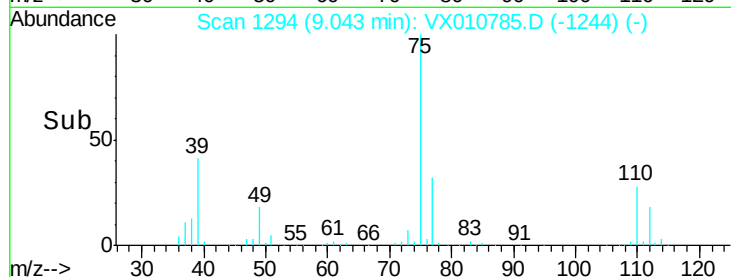
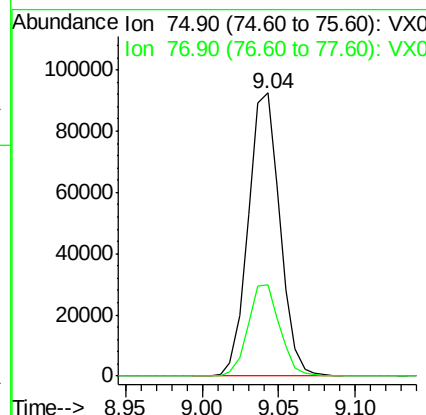
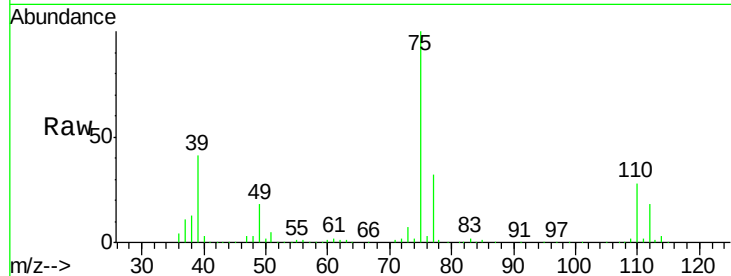
#53
t-1,3-Dichloropropene
Concen: 47.991 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion: 75 Resp: 133014
Ion Ratio Lower Upper
75 100
77 32.2 25.4 38.2

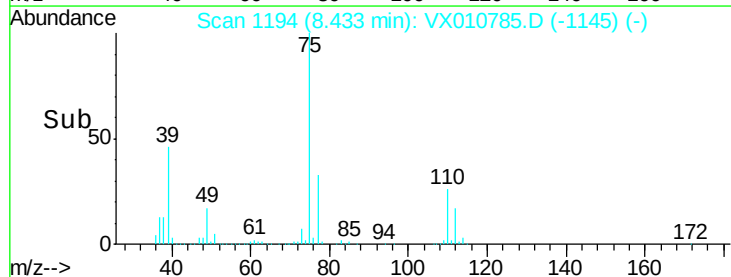
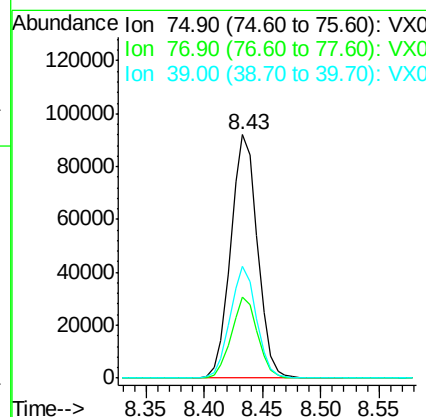
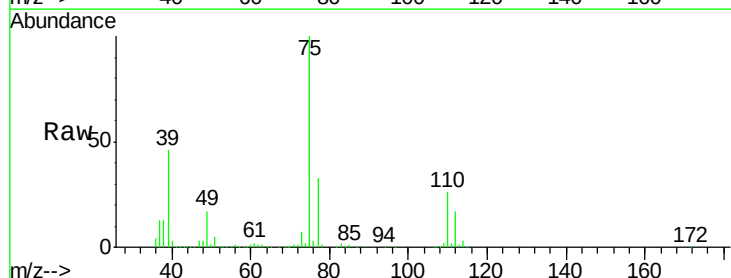
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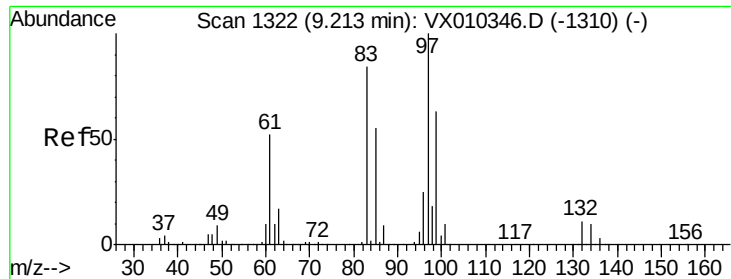
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#54
cis-1,3-Dichloropropene
Concen: 48.754 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion: 75 Resp: 146848
Ion Ratio Lower Upper
75 100
77 33.3 25.2 37.8
39 45.7 34.5 51.7





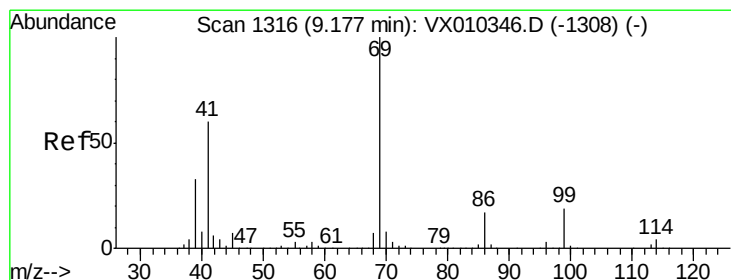
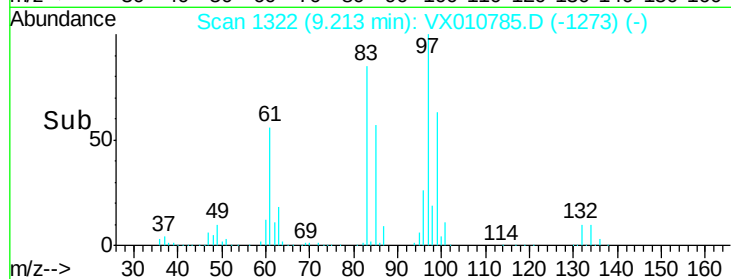
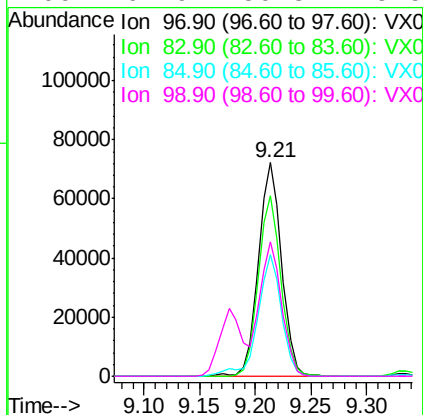
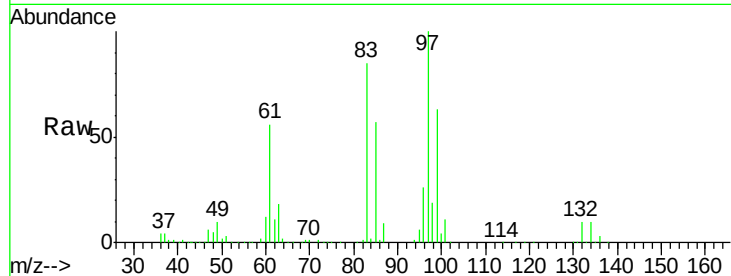
#55
1,1,2-Trichloroethane
Concen: 51.751 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.4	101.0
85	57.0	43.8	65.8
99	62.9	50.3	75.5

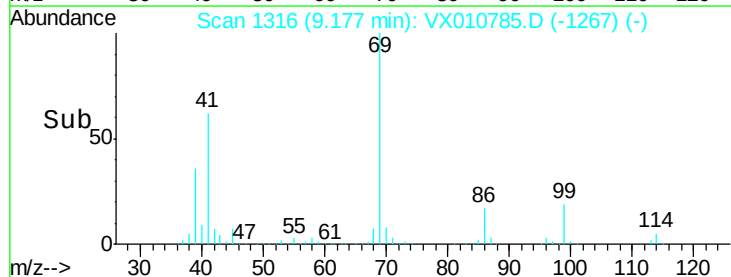
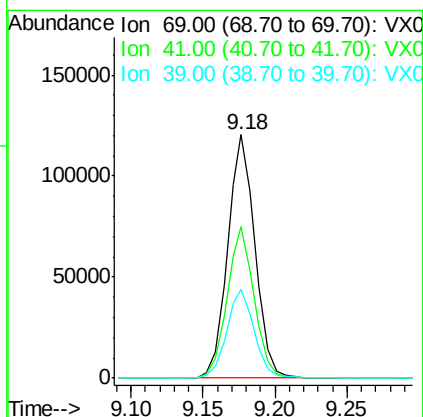
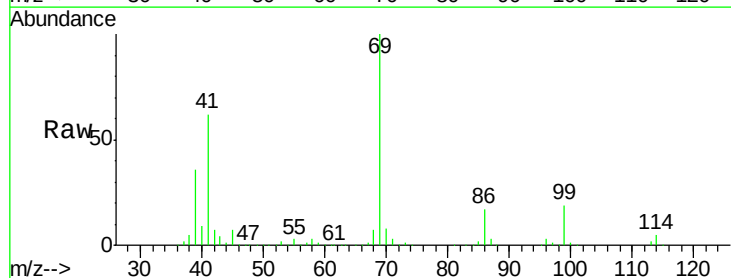
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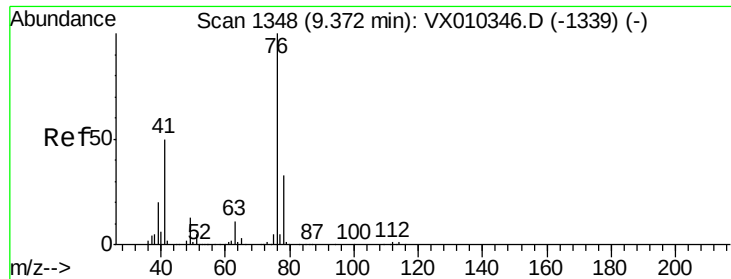
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#56
Ethyl methacrylate
Concen: 52.242 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	47.1	70.7
39	36.5	26.6	40.0





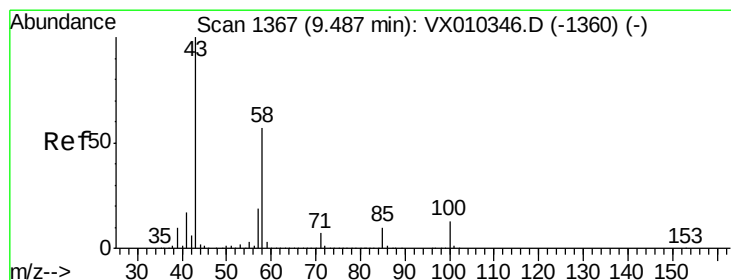
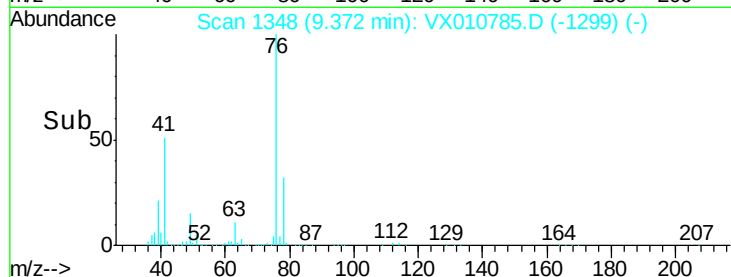
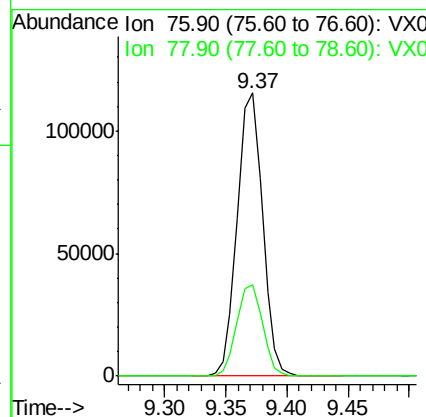
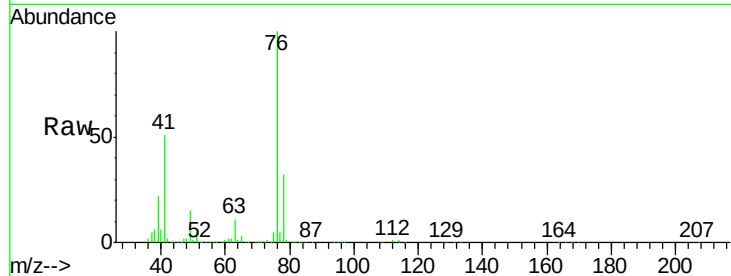
#57
 1,3-Dichloropropane
 Concen: 52.757 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.0	26.1	39.1

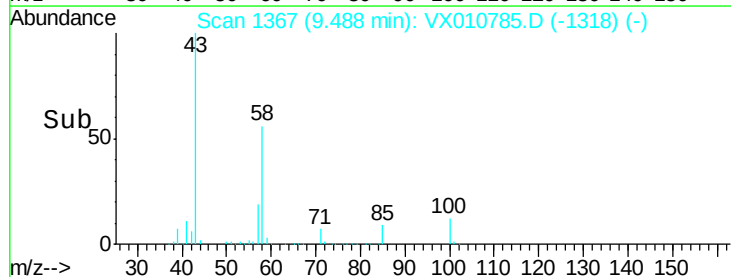
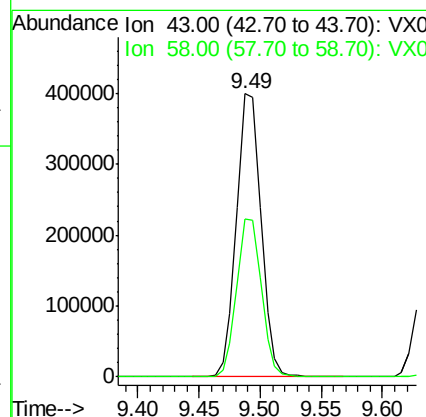
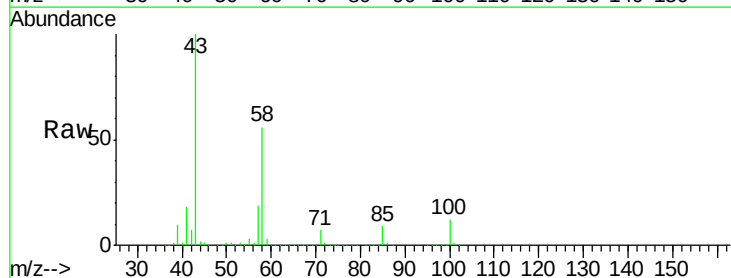
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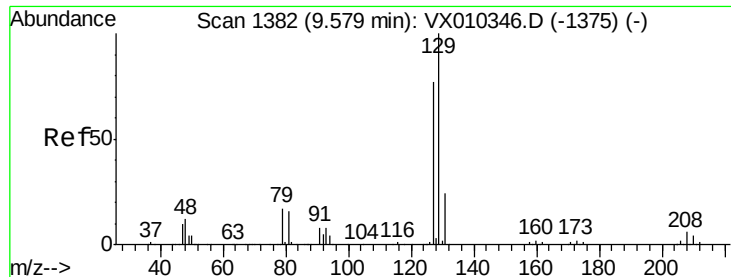
MMDadoda
 7/11/2019 10:54:07 AM



#59
 2-Hexanone
 Concen: 271.067 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	56.3	29.0	87.1





#60

Dibromochloromethane

Concen: 49.511 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion:129 Resp: 112099

Ion Ratio Lower Upper

129 100

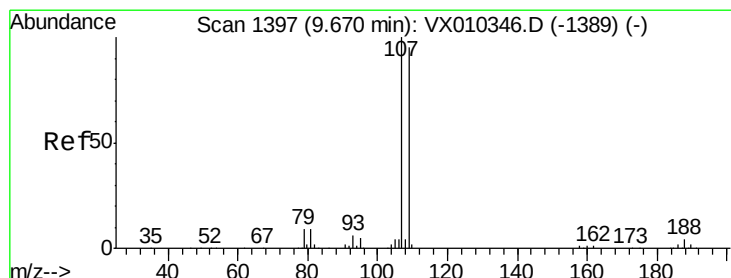
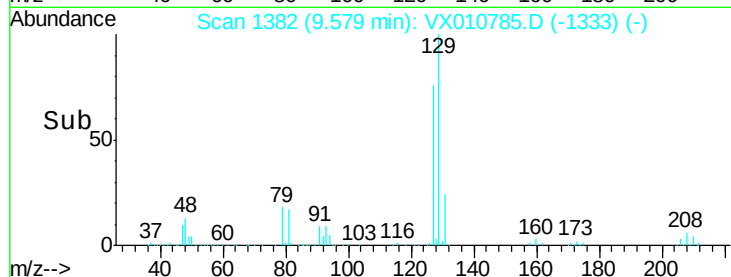
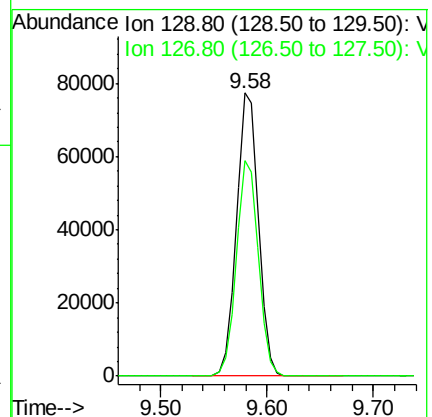
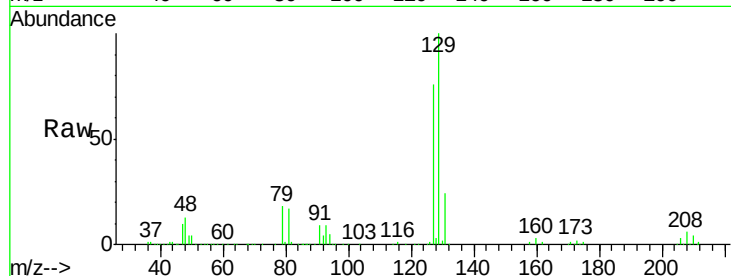
127 76.3 38.4 115.1

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 51.905 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010785.D

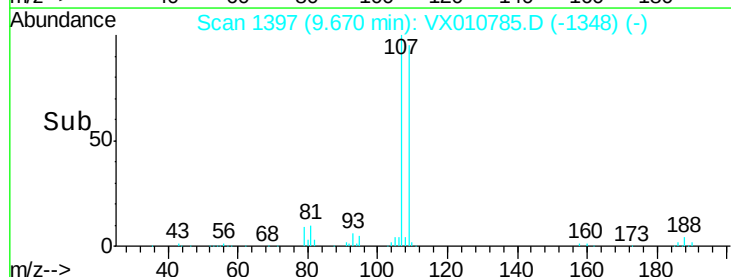
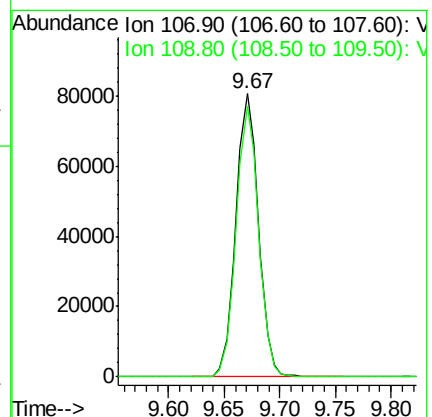
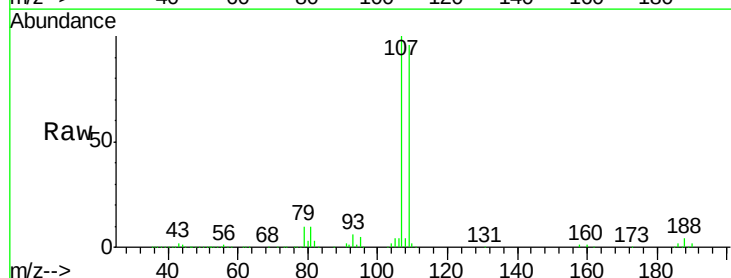
Acq: 10 Jul 2019 18:19

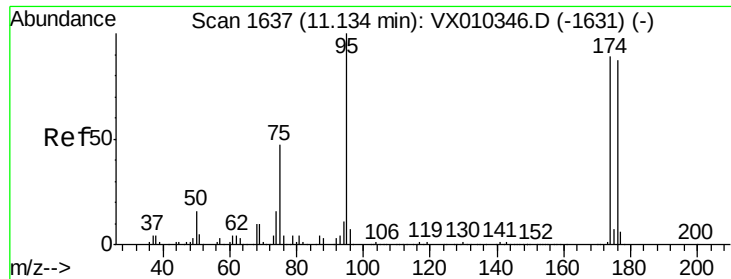
Tgt Ion:107 Resp: 113292

Ion Ratio Lower Upper

107 100

109 94.9 75.8 113.6





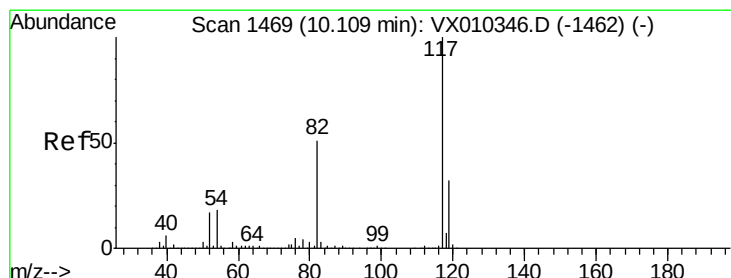
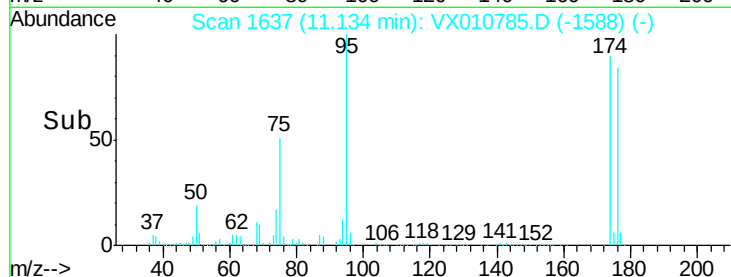
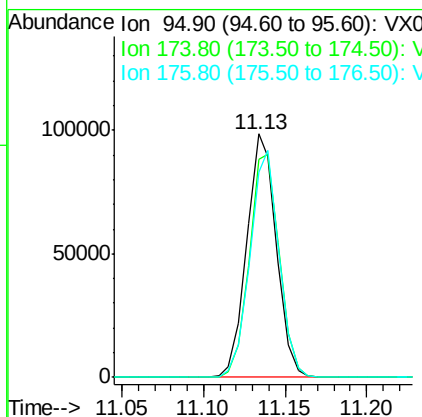
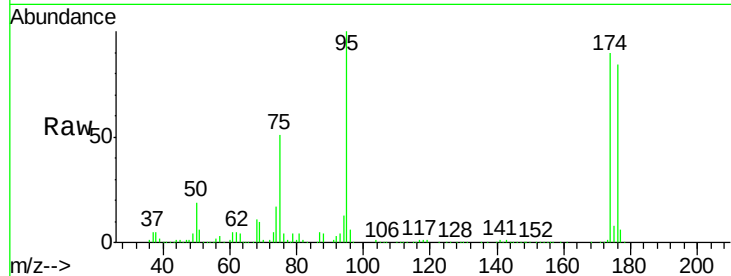
#62
4-Bromofluorobenzene
Concen: 48.956 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	124421		
174	93.5	0.0	187.6	
176	91.5	0.0	184.0	

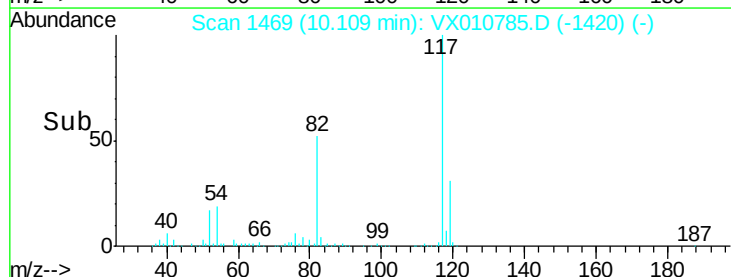
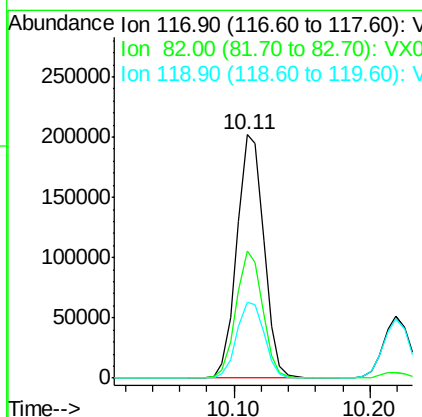
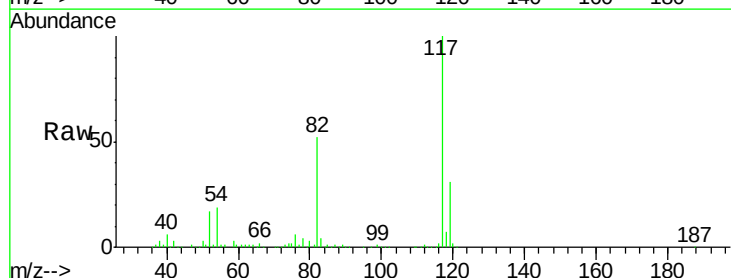
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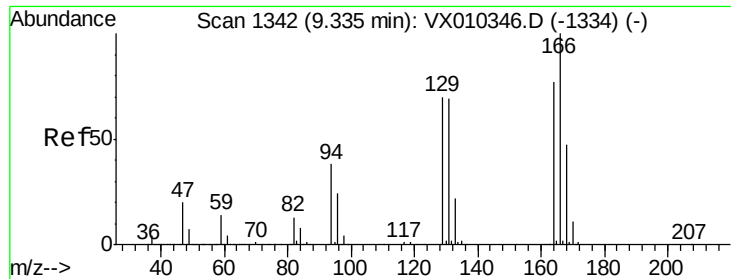
MMDadoda
7/11/2019 10:54:07 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	278831		
82	52.3	41.2	61.8	
119	31.3	25.5	38.3	





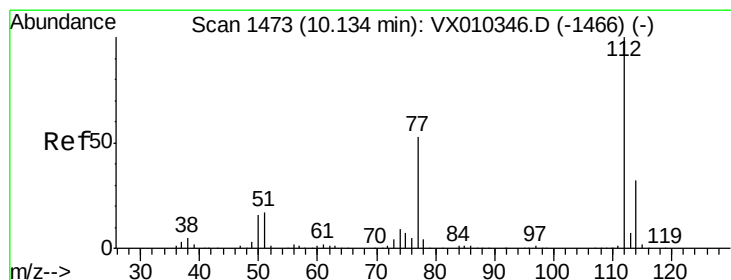
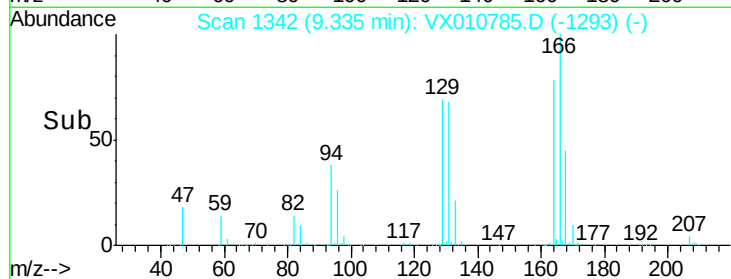
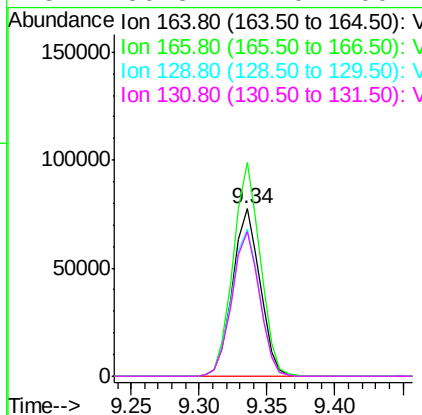
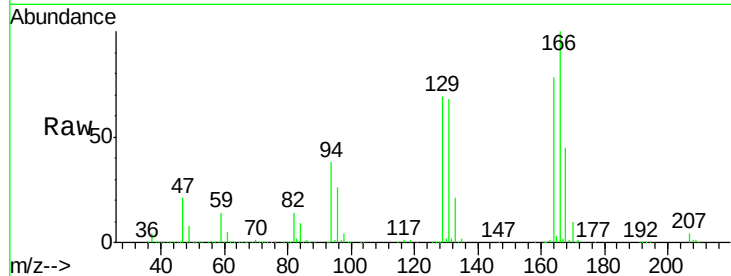
#64
 Tetrachloroethene
 Concen: 48.405 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.4	109166	103.6	155.4
129	88.1		73.0	109.4
131	86.3		71.0	106.4

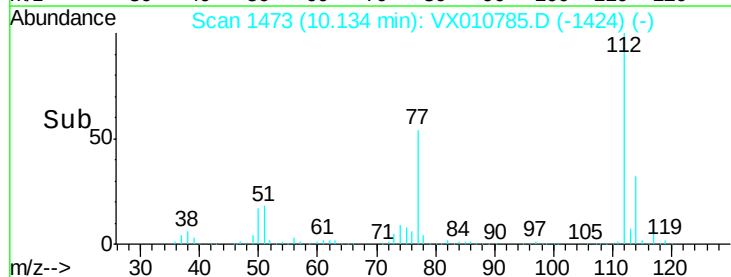
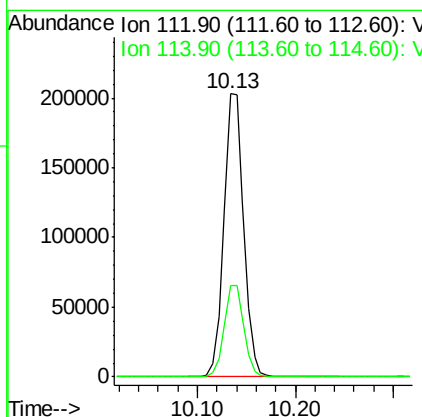
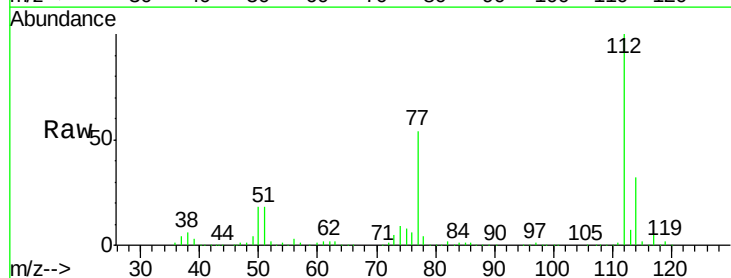
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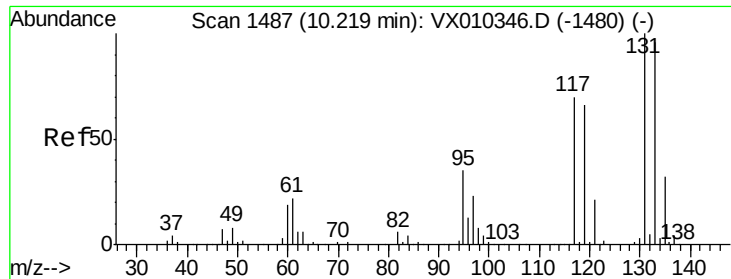
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#65
 Chlorobenzene
 Concen: 50.209 ug/l
 RT: 10.13 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	284221		
114	32.3		25.4	38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 50.032 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

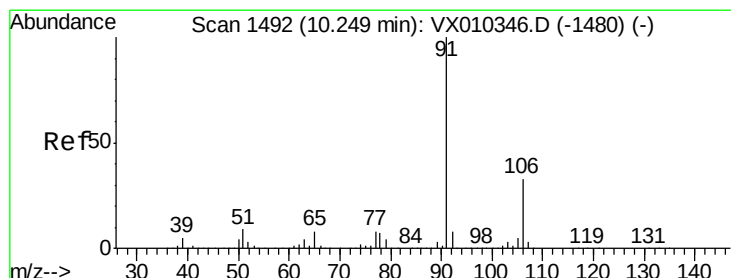
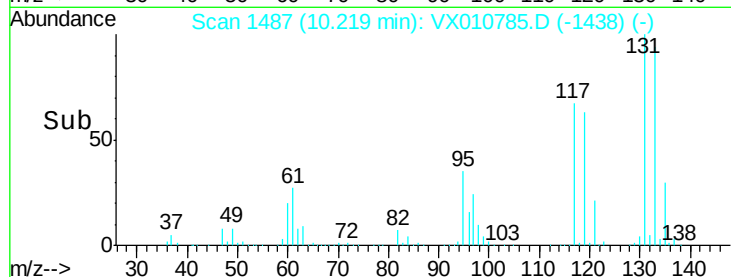
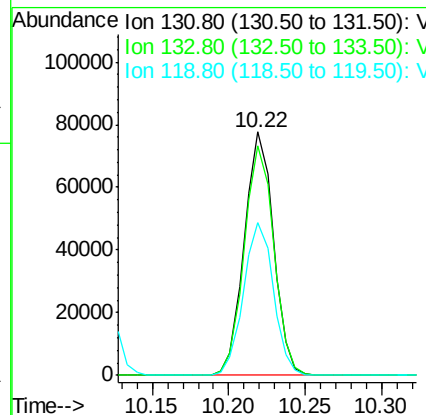
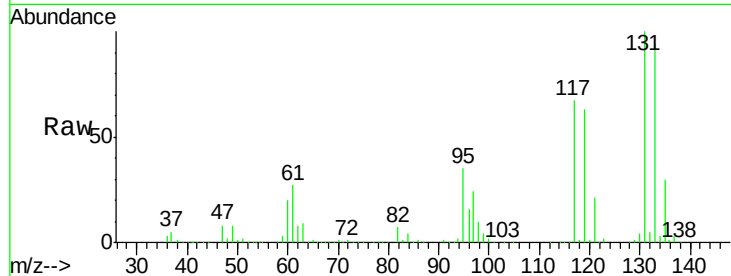
ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	103164		
133	95.6	47.7	143.1	
119	64.3	32.6	97.7	

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#67

Ethyl Benzene

Concen: 51.314 ug/l

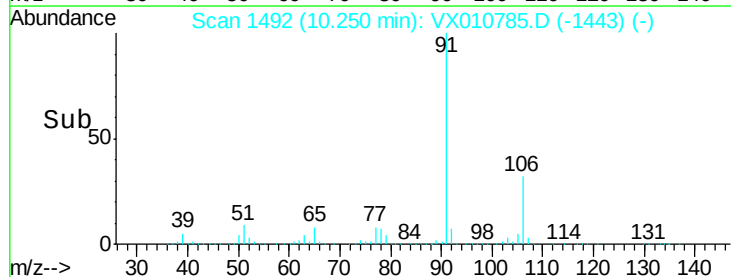
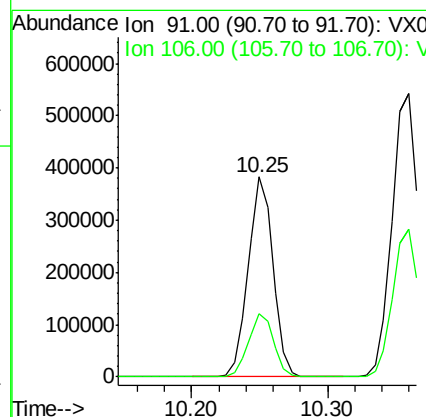
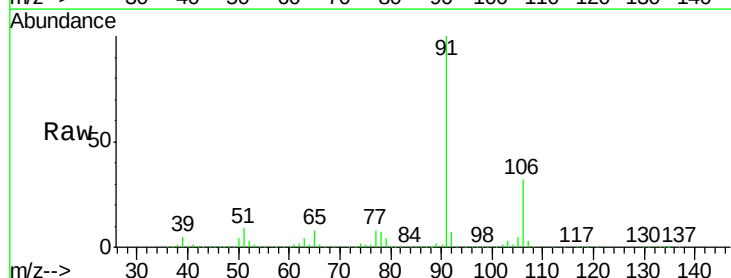
RT: 10.25 min Scan# 1492

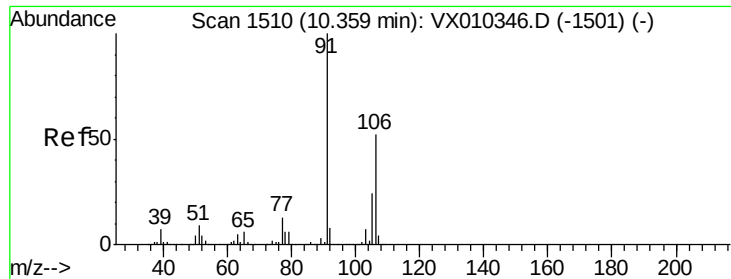
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	490392		
106	31.7	26.2	39.2	





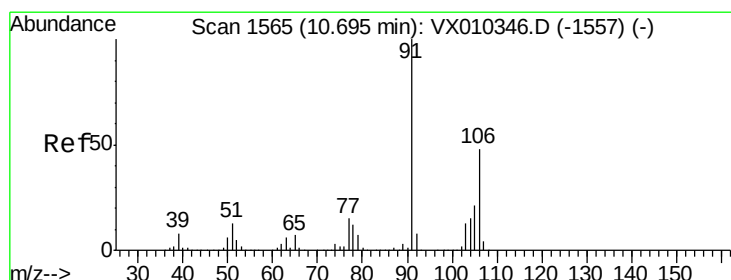
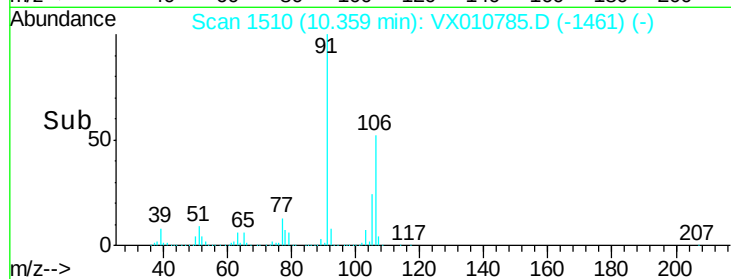
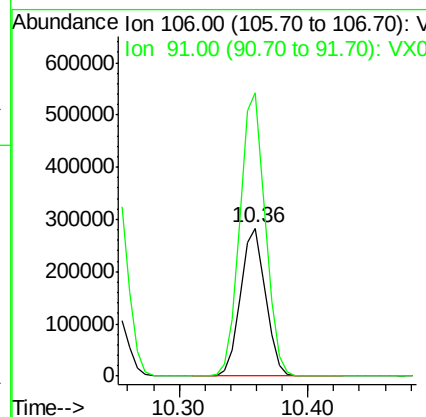
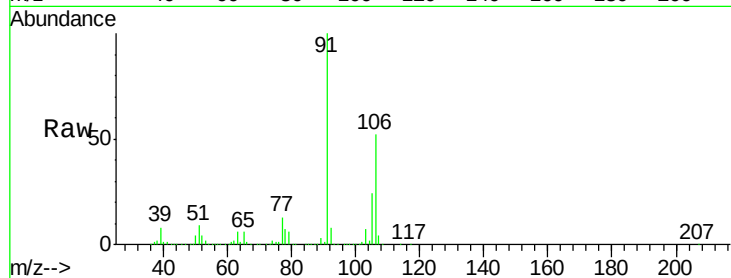
#68
m/p-Xylenes
Concen: 103.118 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion:106 Resp: 381843
Ion Ratio Lower Upper
106 100
91 194.7 155.3 232.9

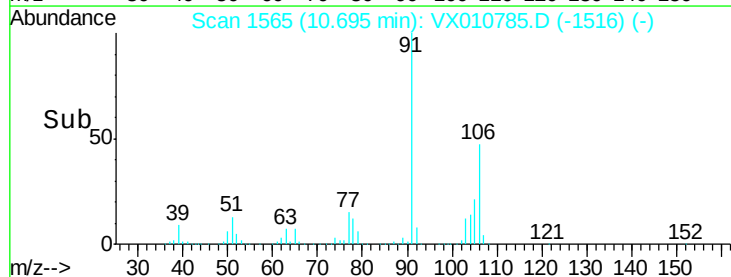
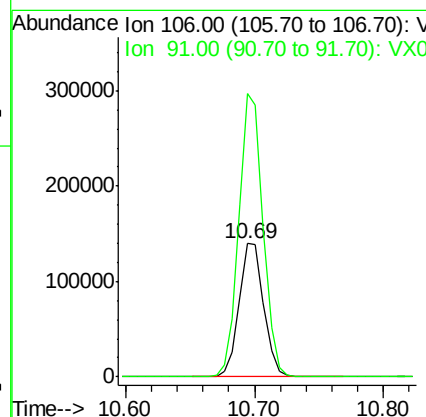
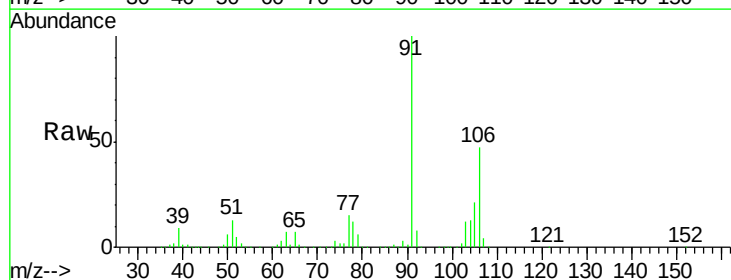
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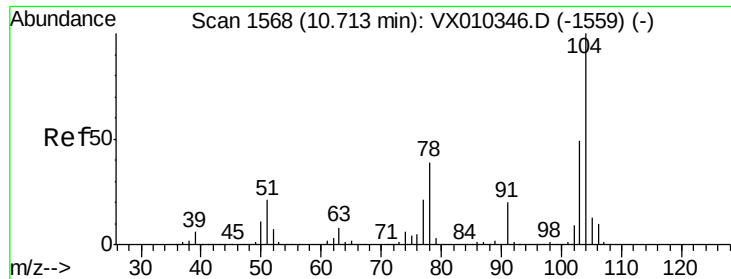
MMDadoda
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#69
o-Xylene
Concen: 51.184 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion:106 Resp: 186387
Ion Ratio Lower Upper
106 100
91 208.5 102.7 308.1





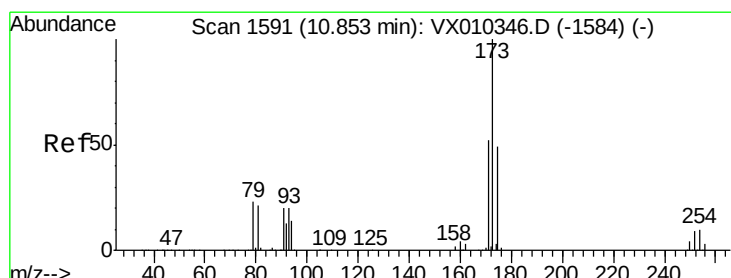
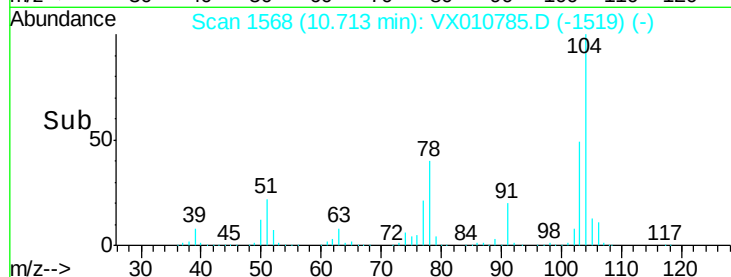
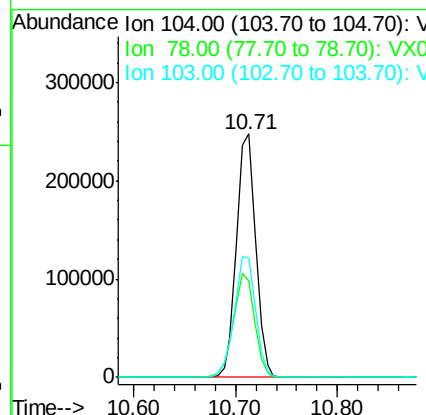
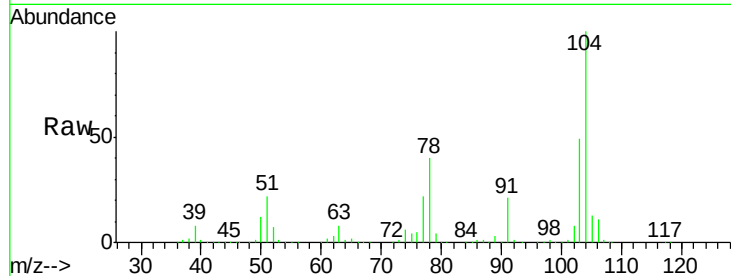
#70
Styrene
Concen: 52.716 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.8	36.2	54.2
103	54.8	44.2	66.4

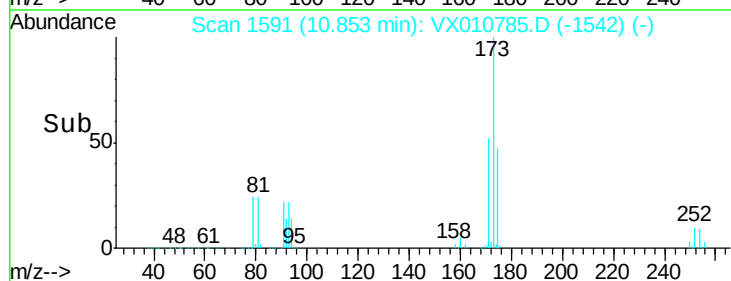
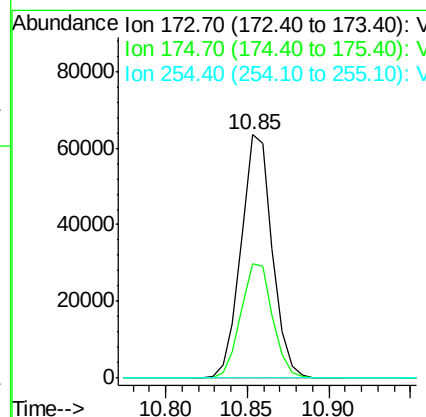
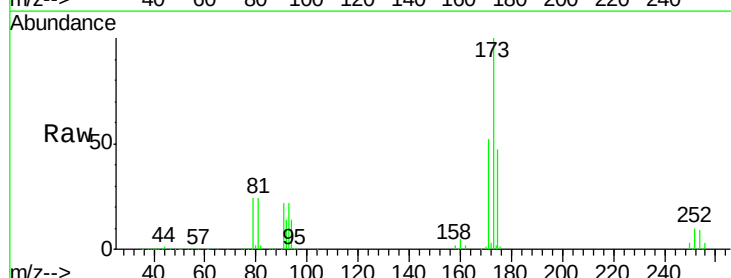
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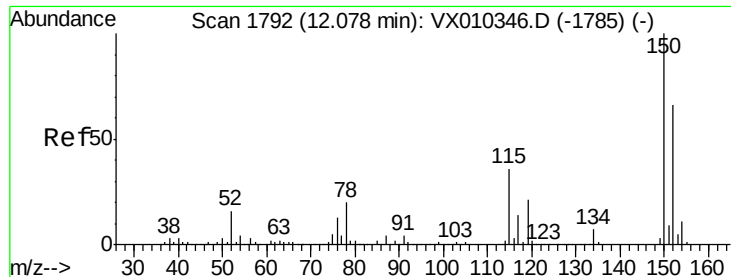
MMDadoda
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#71
Bromoform
Concen: 47.089 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.3
254	0.1	0.2	0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

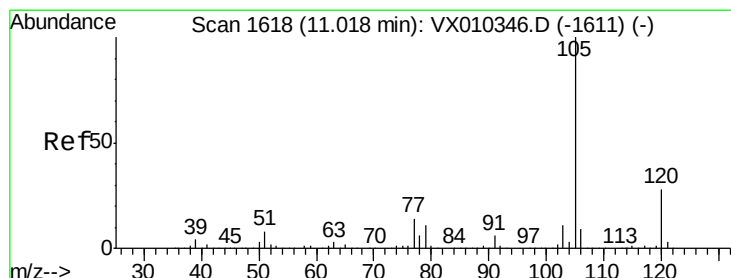
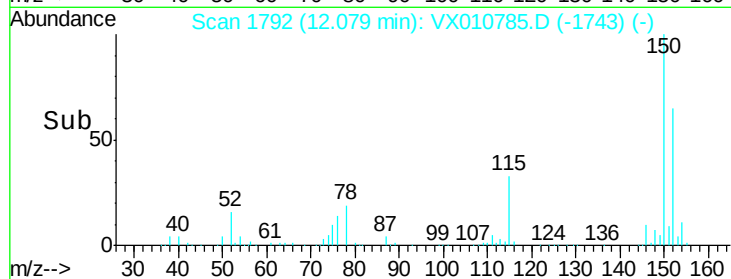
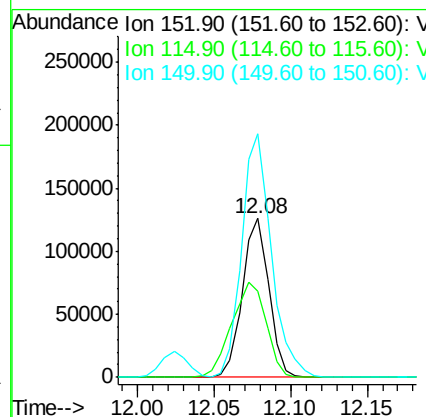
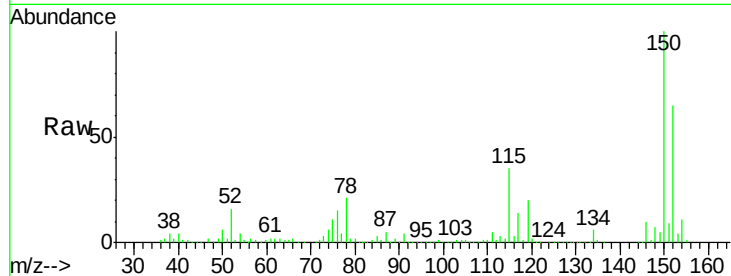
ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	151323		
115	77.6	38.6	115.7	
150	171.9	0.0	347.4	

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#73

Isopropylbenzene

Concen: 48.352 ug/l

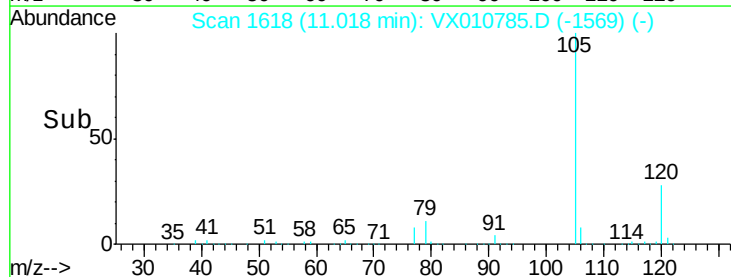
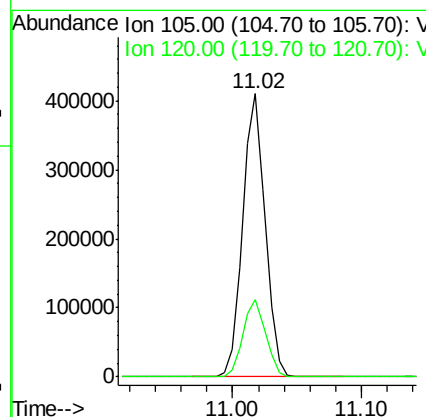
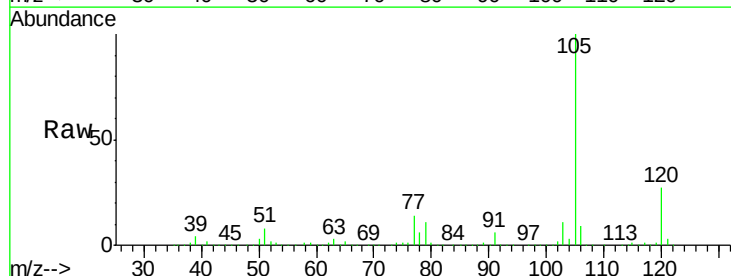
RT: 11.02 min Scan# 1618

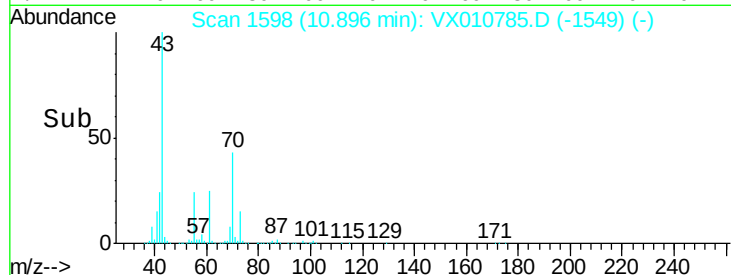
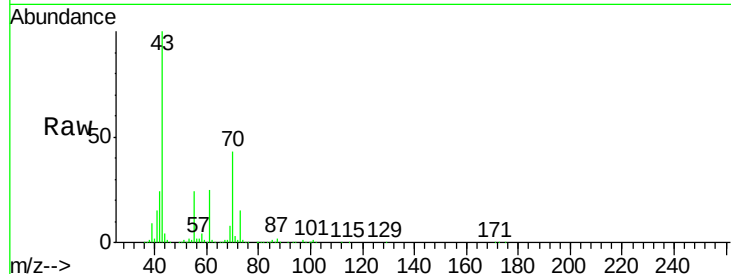
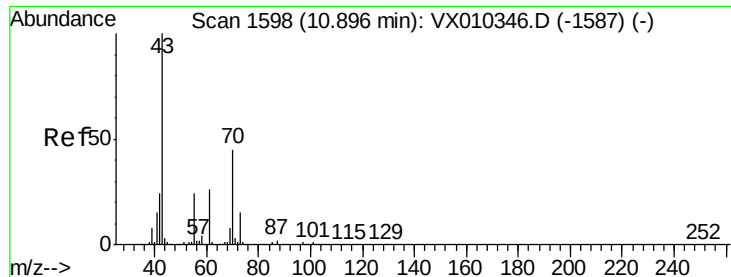
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	495990		
120	27.6	14.1	42.4	





#74

N-ethyl acetate

Concen: 48.117 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
70	43.8	36.6	54.8	
55	23.9	18.7	28.1	
61	25.1	20.6	31.0	

Instrument :

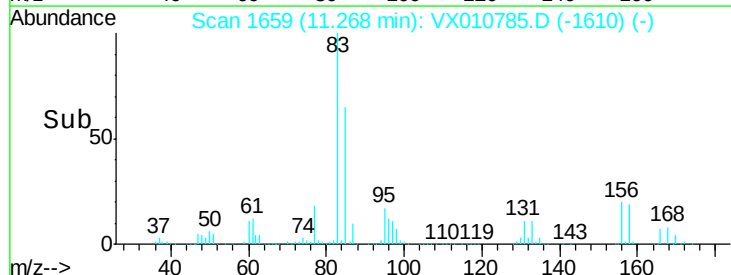
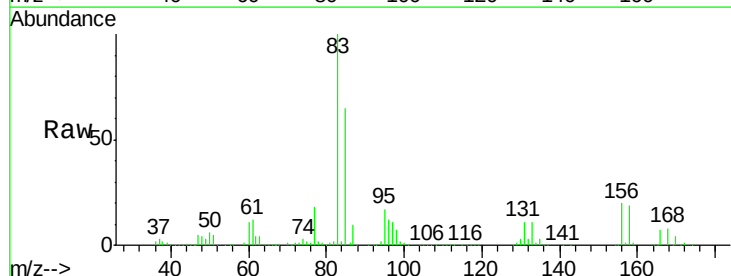
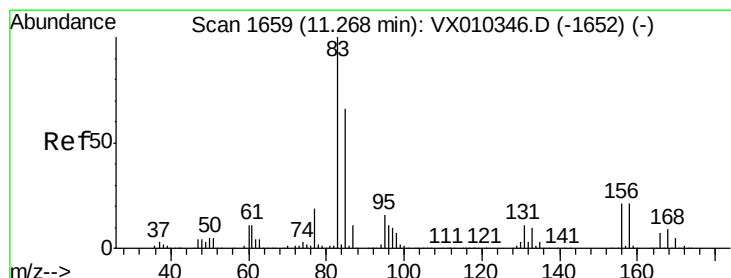
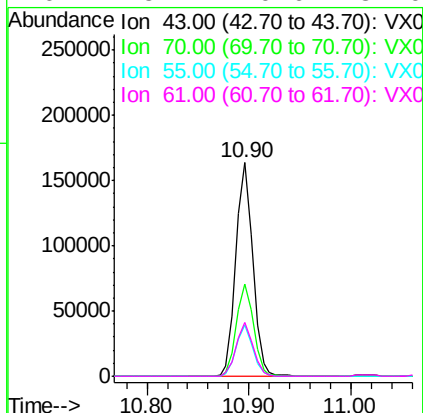
MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

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#75

1,1,2,2-Tetrachloroethane

Concen: 49.674 ug/l

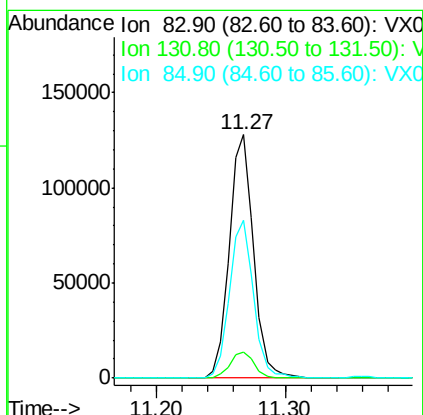
RT: 11.27 min Scan# 1659

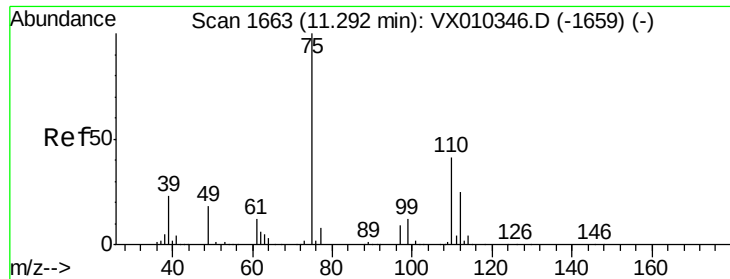
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.8	5.5	16.4	
85	64.6	32.3	96.8	





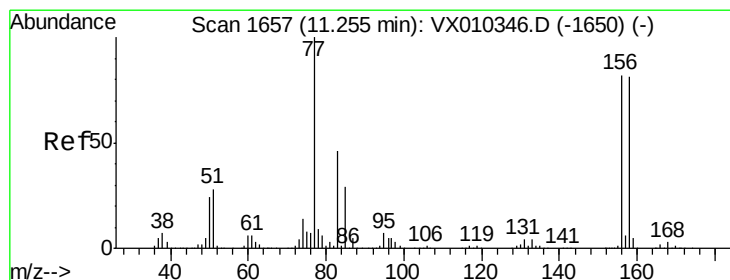
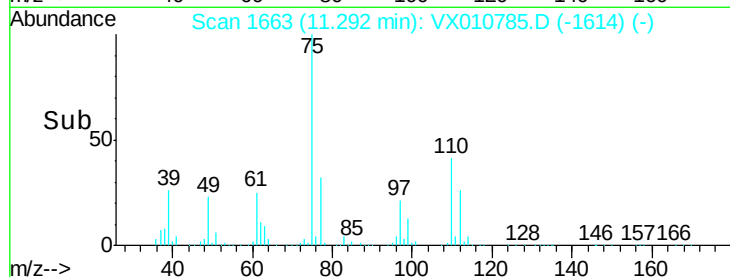
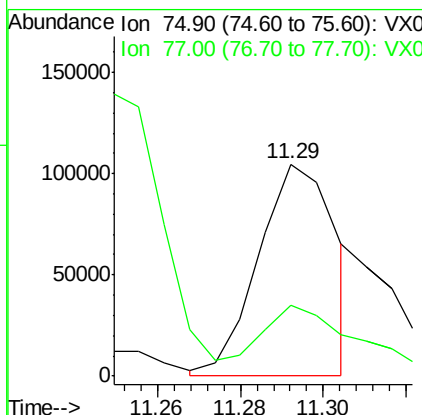
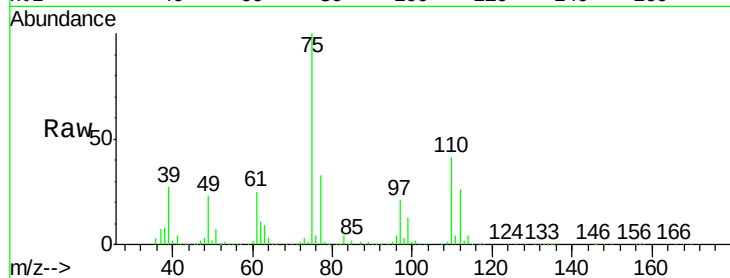
#76
1,2,3-Trichloropropane
Concen: 49.264 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion: 75 Resp: 135846
Ion Ratio Lower Upper
75 100
77 42.6 22.6 67.8

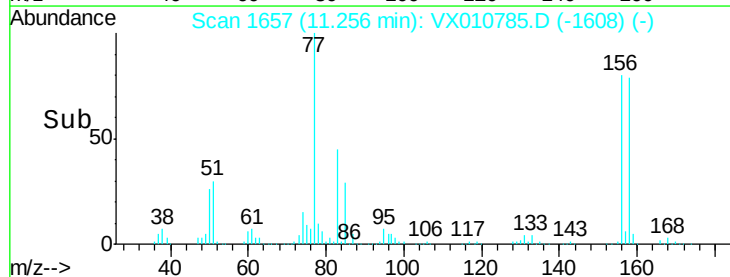
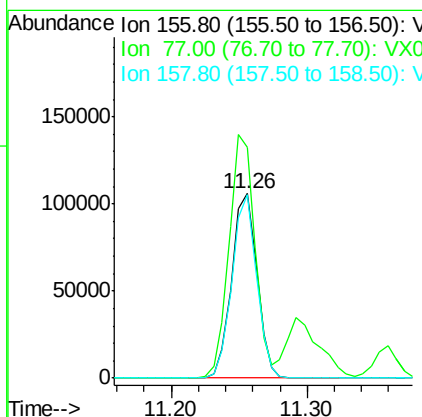
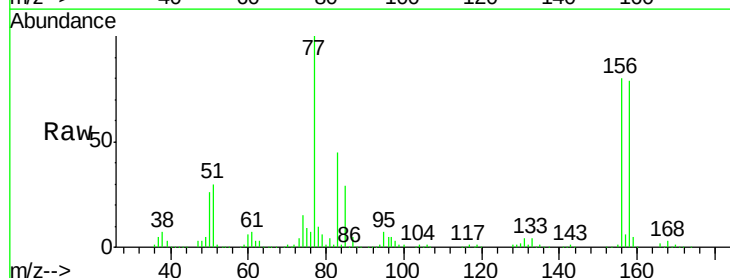
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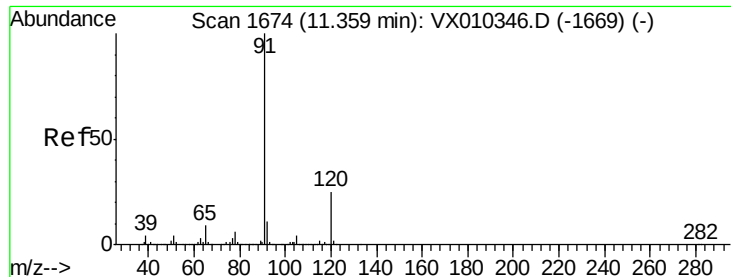
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#77
Bromobenzene
Concen: 48.044 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion: 156 Resp: 137611
Ion Ratio Lower Upper
156 100
77 134.2 66.3 198.7
158 96.4 48.9 146.7





#78

n-propylbenzene

Concen: 49.406 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 91 Resp: 556989

Ion Ratio Lower Upper

91 100

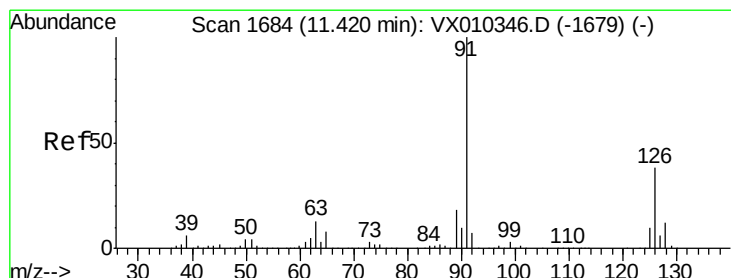
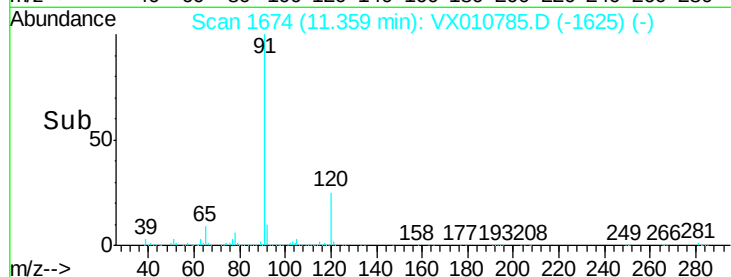
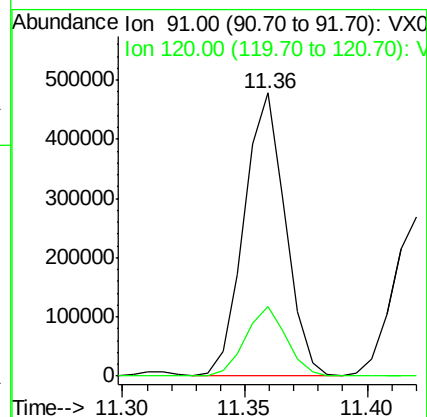
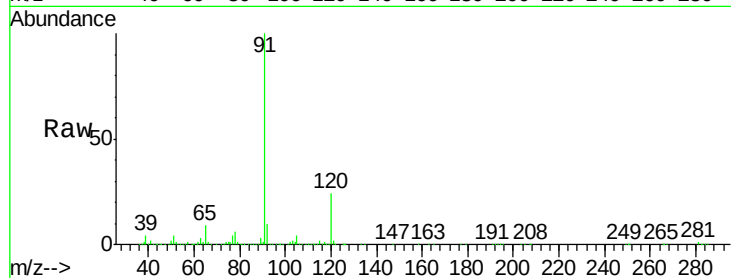
120 24.2 12.4 37.4

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#79

2-Chlorotoluene

Concen: 48.995 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010785.D

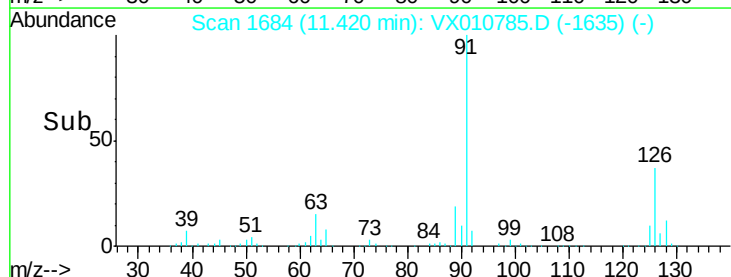
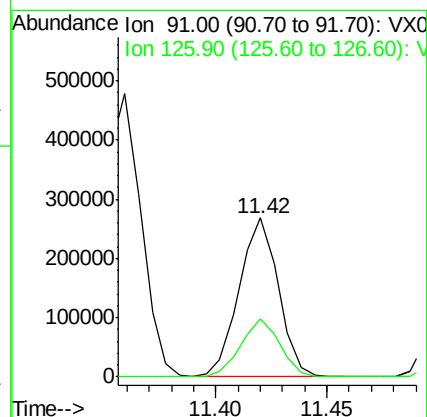
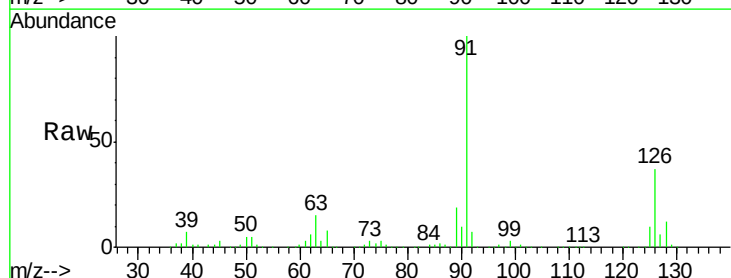
Acq: 10 Jul 2019 18:19

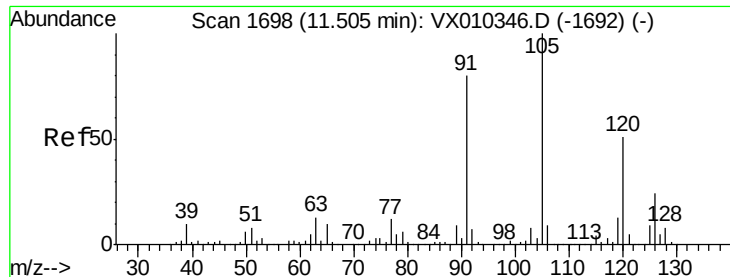
Tgt Ion: 91 Resp: 328916

Ion Ratio Lower Upper

91 100

126 36.5 18.7 56.1





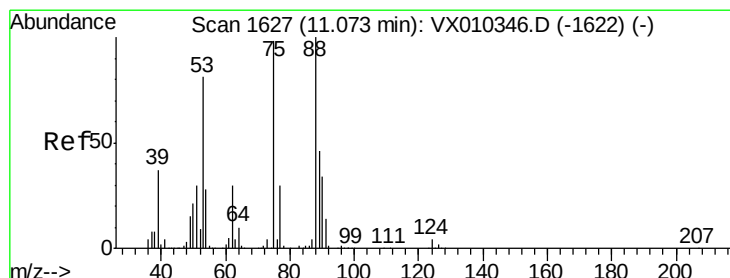
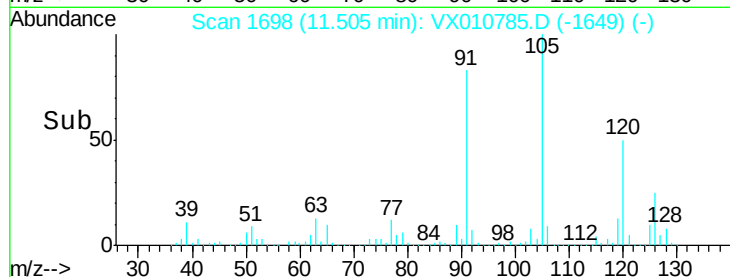
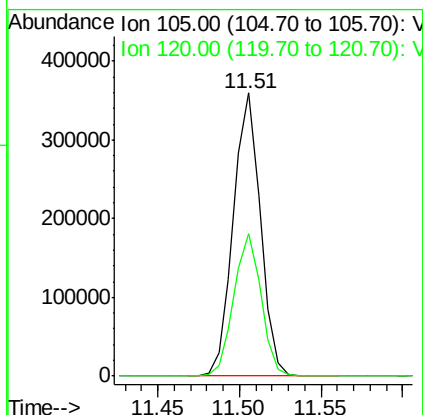
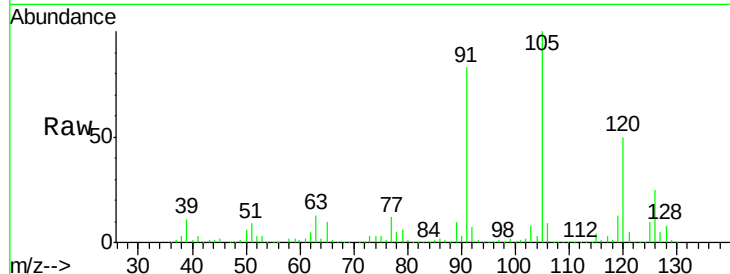
#80
 1,3,5-Trimethylbenzene
 Concen: 49.125 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion: 105 Resp: 415417
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.2 75.6

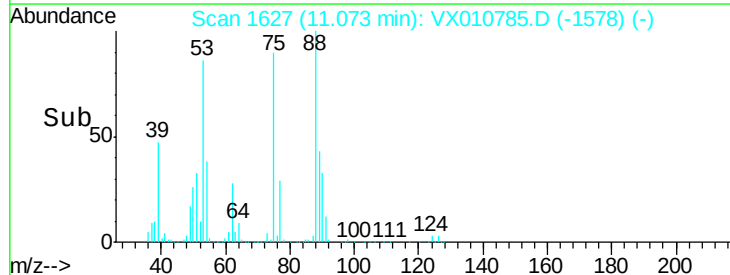
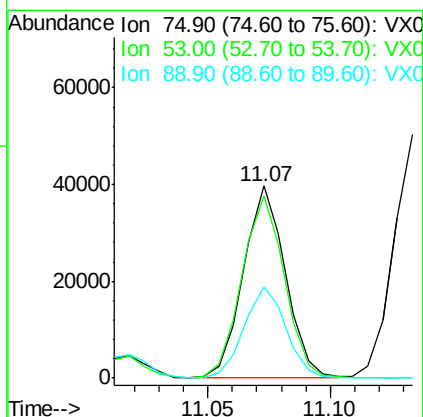
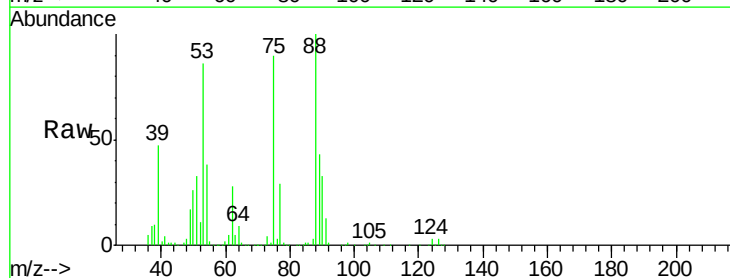
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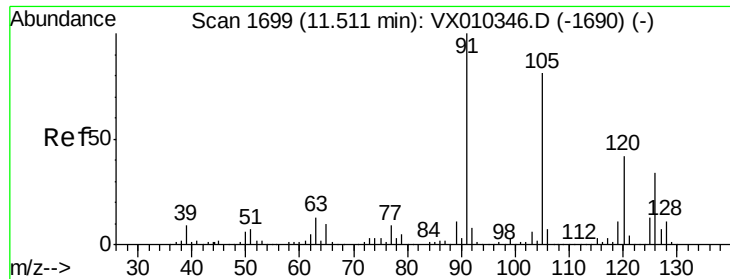
MMDadoda
 7/11/2019 10:54:07 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 39.787 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion: 75 Resp: 47029
 Ion Ratio Lower Upper
 75 100
 53 96.3 66.1 99.1
 89 47.3 37.8 56.6





#82

4-Chlorotoluene

Concen: 49.942 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion: 91 Resp: 381508

Ion Ratio Lower Upper

91 100

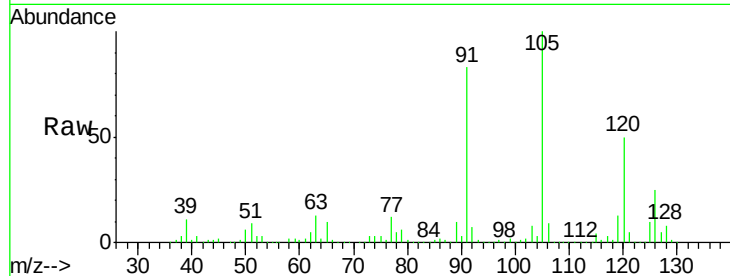
126 32.5 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VX010346.D (-1690) (-)

Ion 125.90 (125.60 to 126.60): VX010346.D (-1690) (-)

11.51

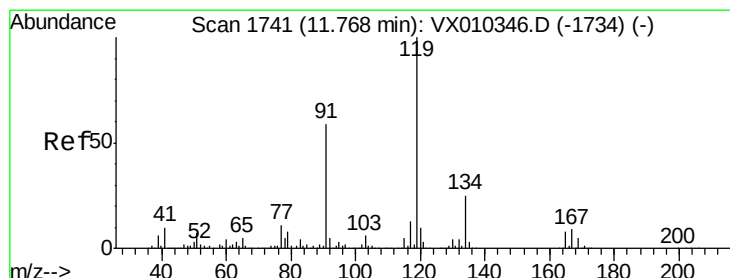
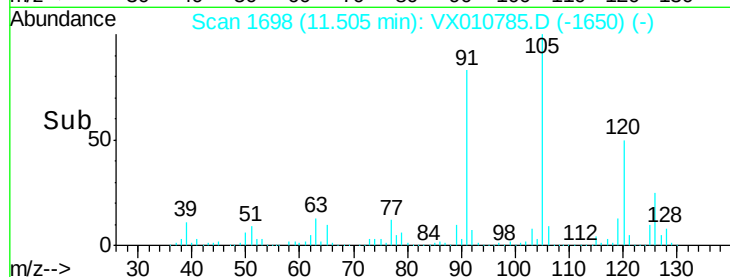
300000

200000

100000

0

Time--> 11.40 11.50 11.60



#83

tert-Butylbenzene

Concen: 48.183 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

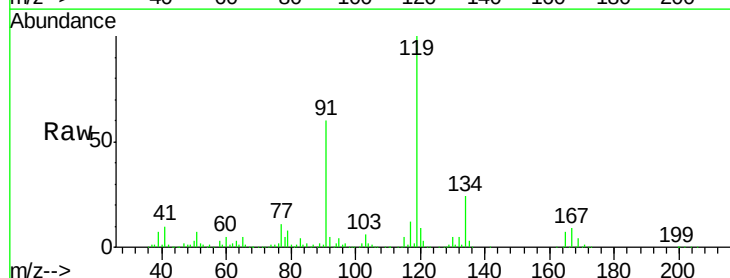
Tgt Ion: 119 Resp: 408952

Ion Ratio Lower Upper

119 100

91 56.5 27.6 82.7

134 24.1 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): VX010346.D (-1734) (-)

Ion 91.00 (90.70 to 91.70): VX010346.D (-1734) (-)

Ion 134.00 (133.70 to 134.70): VX010346.D (-1734) (-)

11.77

400000

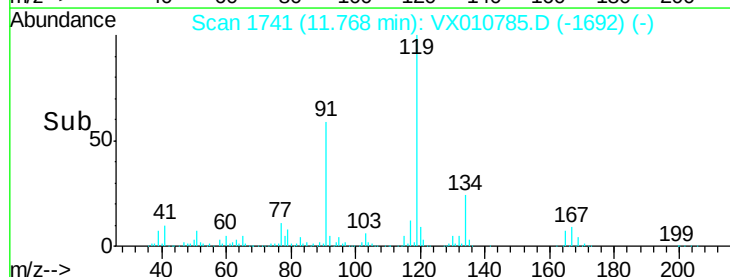
300000

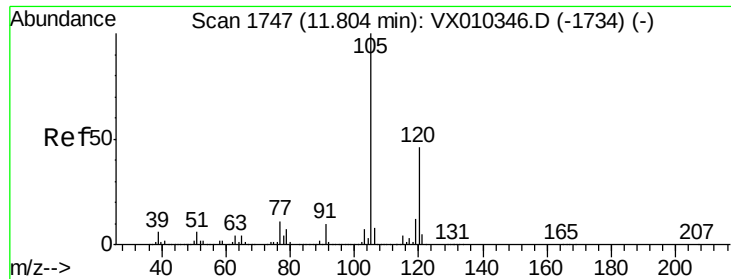
200000

100000

0

Time--> 11.70 11.75 11.80





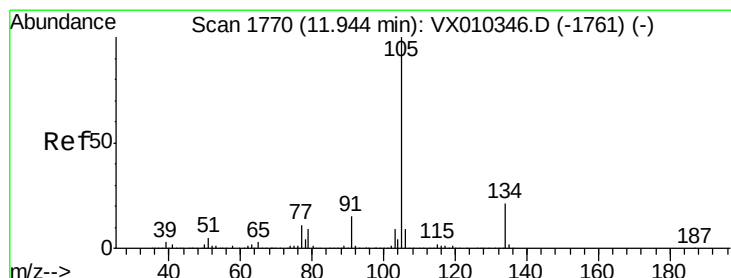
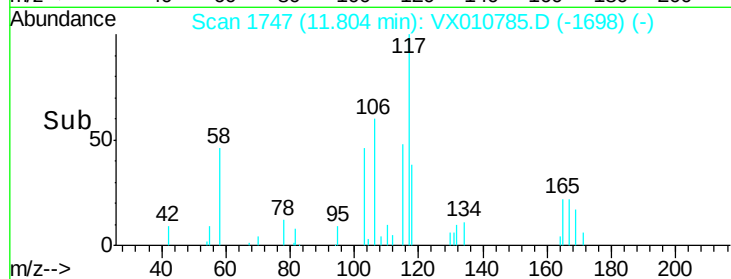
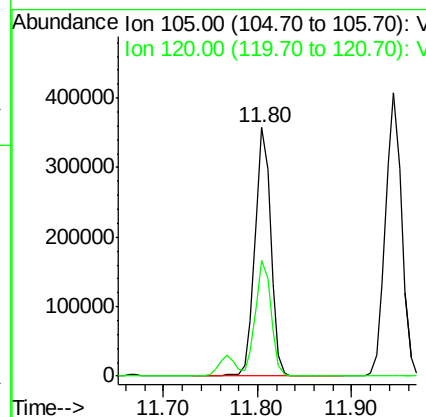
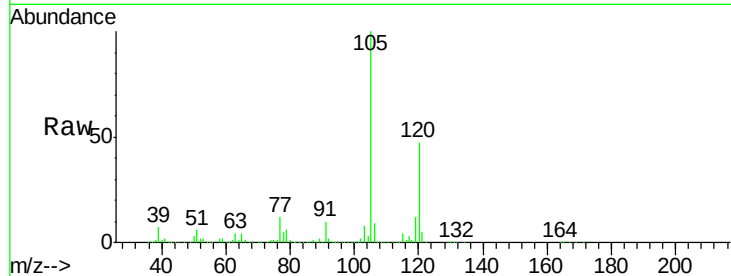
#84
 1,2,4-Trimethylbenzene
 Concen: 49.866 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	423664		
120	46.0	23.1	69.2	

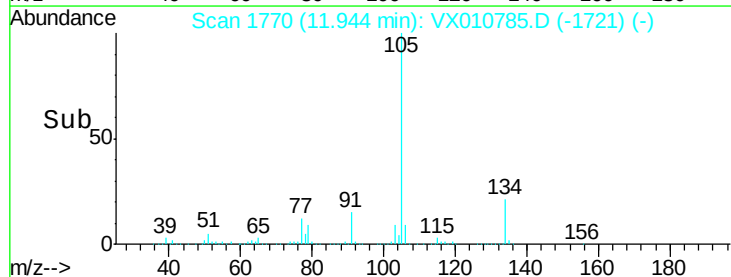
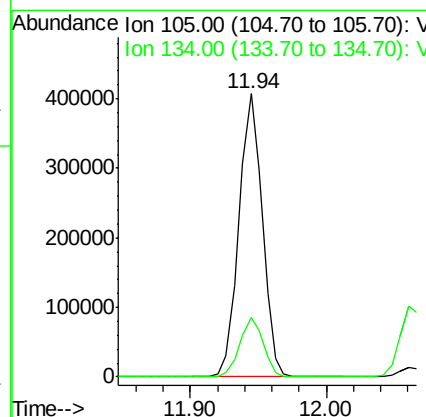
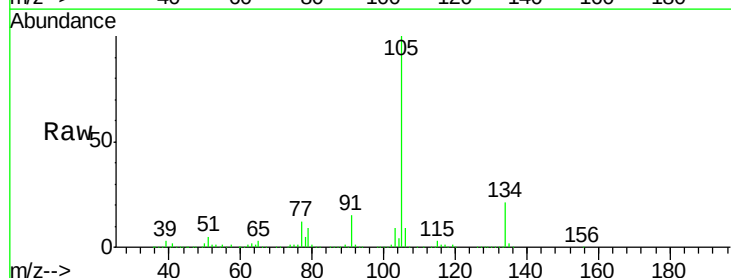
Manual Integrations
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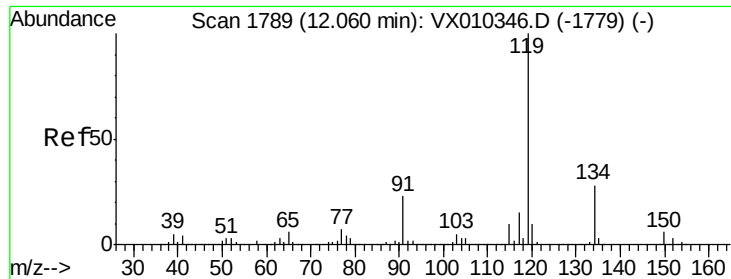
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 48.818 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	486495		
134	20.9	10.7	31.9	





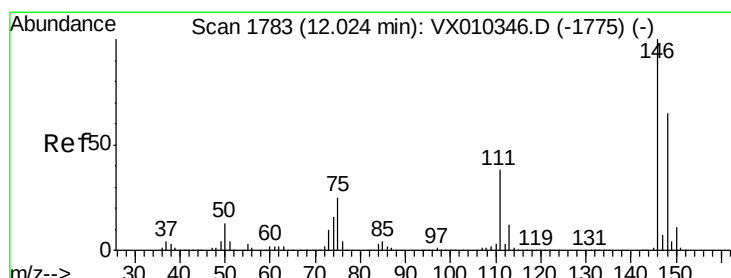
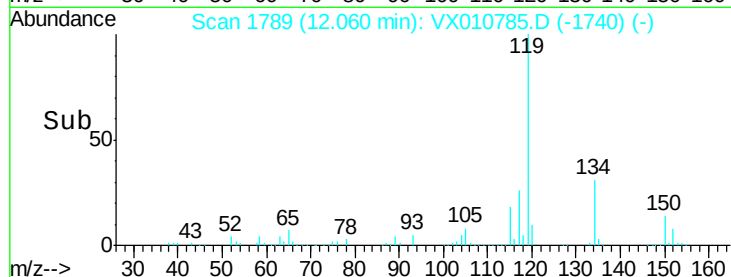
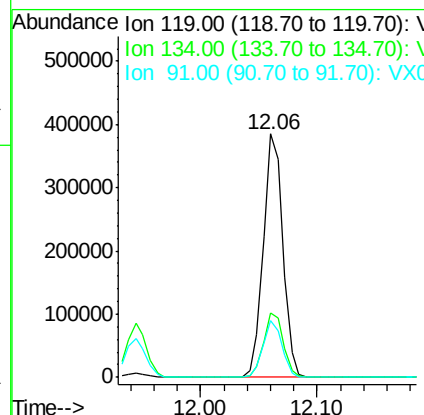
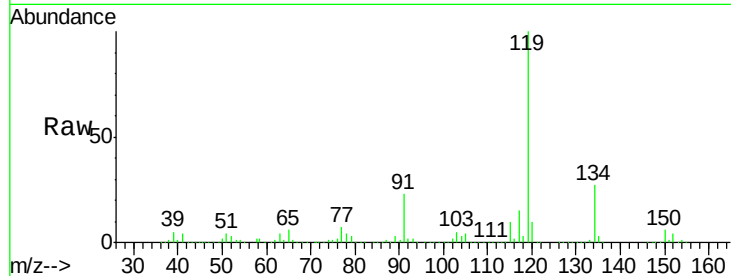
#86
 p-Isopropyltoluene
 Concen: 49.265 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.7	41.1
91	22.7	11.3	33.8

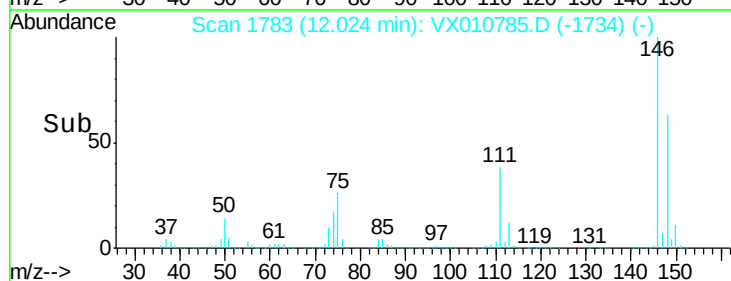
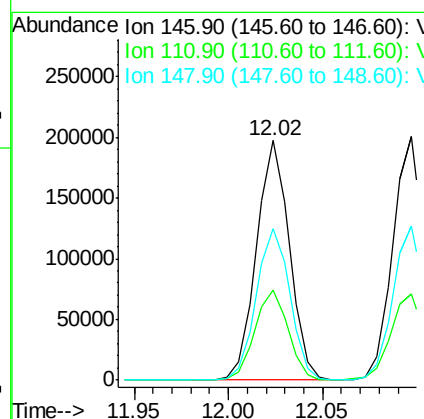
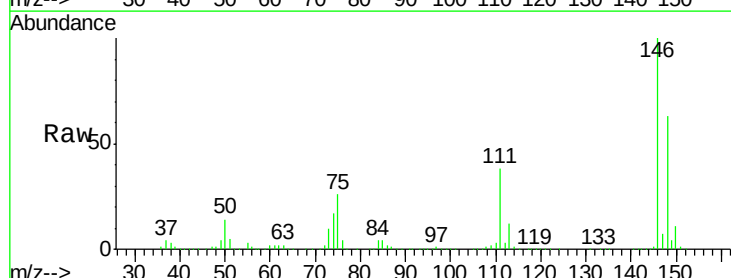
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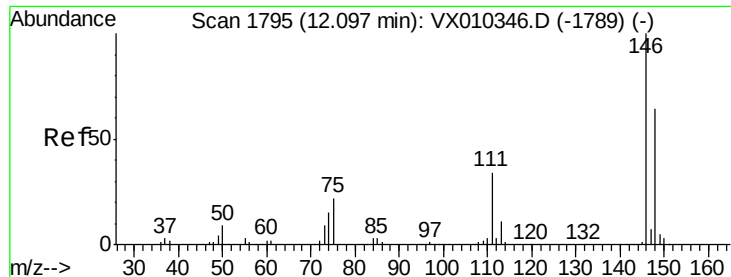
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#87
 1,3-Dichlorobenzene
 Concen: 47.806 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	64.8	32.5	97.4





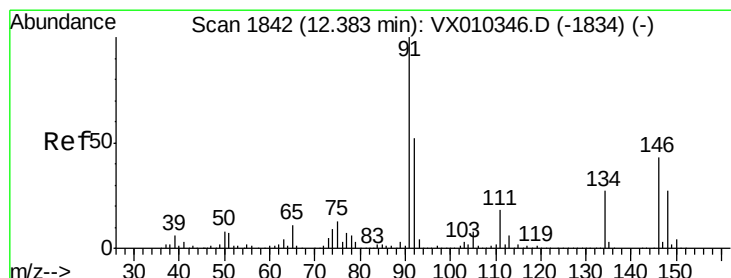
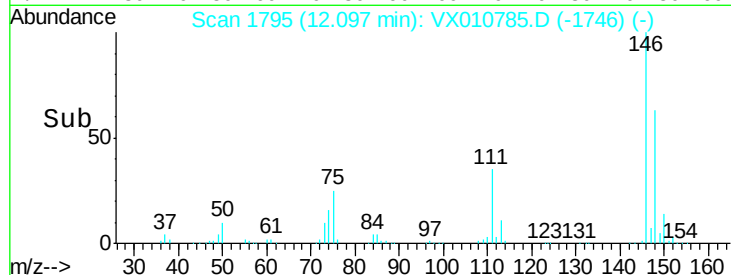
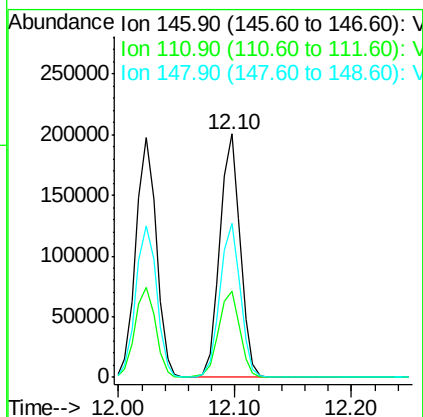
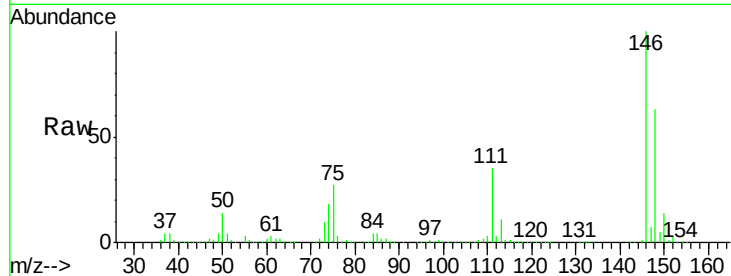
#88
 1,4-Dichlorobenzene
 Concen: 47.339 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.3
148	63.4	32.1	96.3

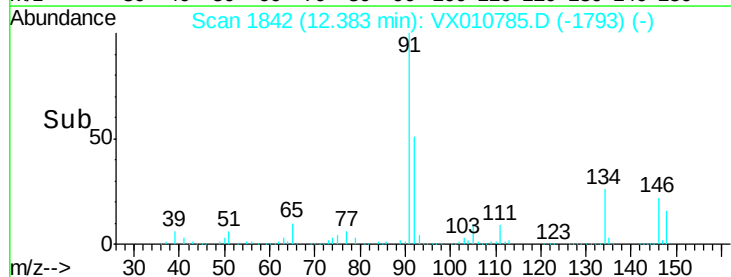
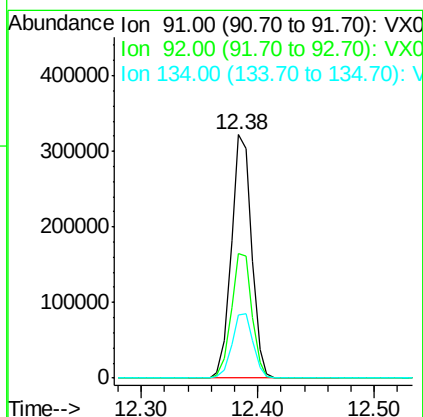
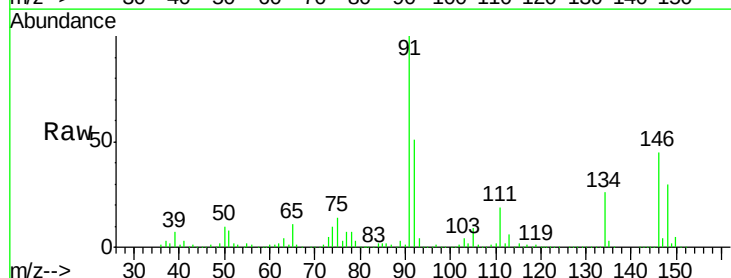
Manual Integrations
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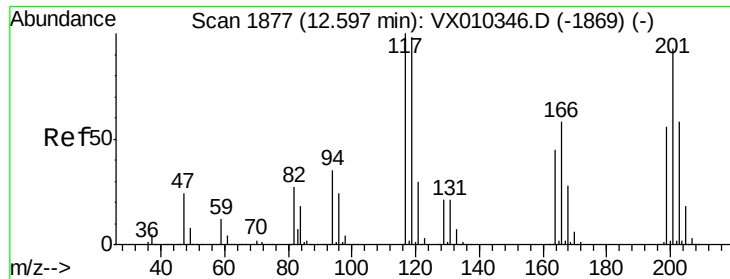
MMDadoda
 7/11/2019 10:54:07 AM



#89
 n-Butylbenzene
 Concen: 49.729 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.2	78.5
134	27.5	14.1	42.4





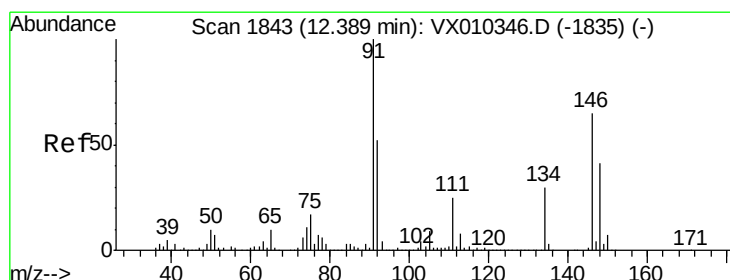
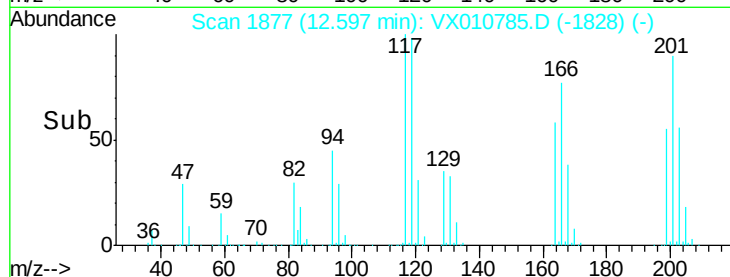
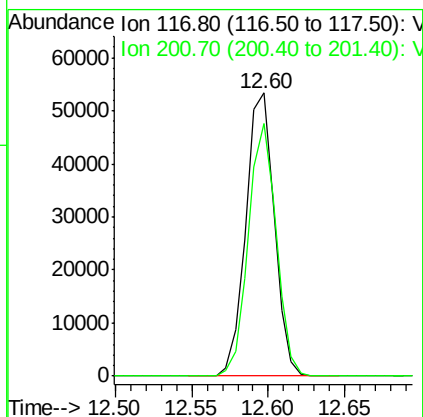
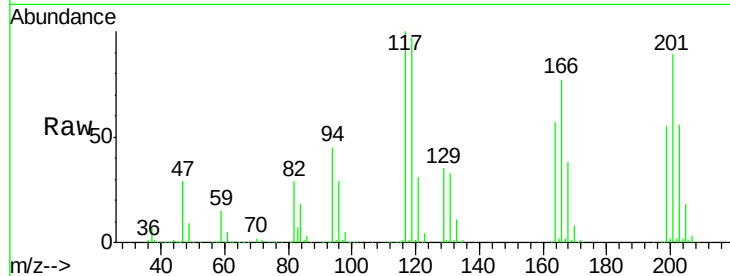
#90
Hexachloroethane
Concen: 43.423 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MS

Tgt Ion:117 Resp: 69210
Ion Ratio Lower Upper
117 100
201 87.2 44.0 131.8

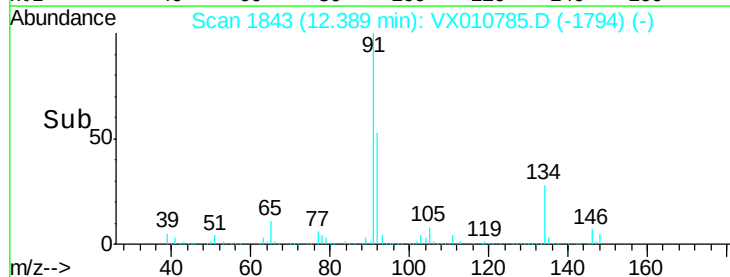
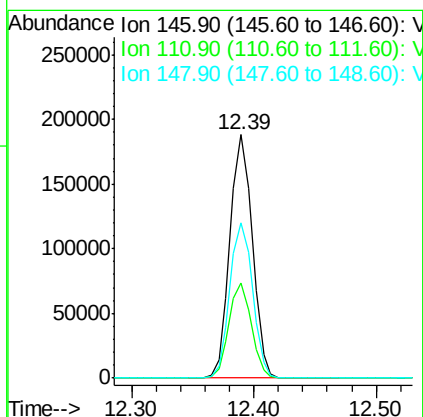
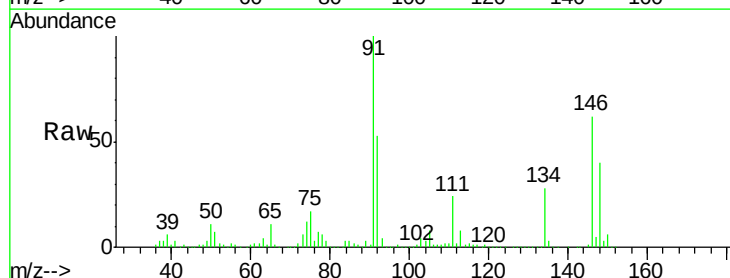
Manual Integrations
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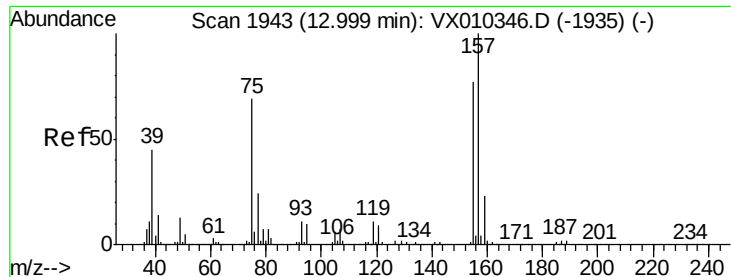
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#91
1,2-Dichlorobenzene
Concen: 47.826 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010785.D
Acq: 10 Jul 2019 18:19

Tgt Ion:146 Resp: 237656
Ion Ratio Lower Upper
146 100
111 39.2 19.2 57.6
148 64.8 32.0 96.0





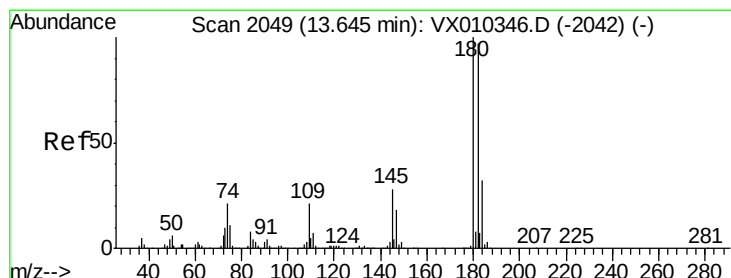
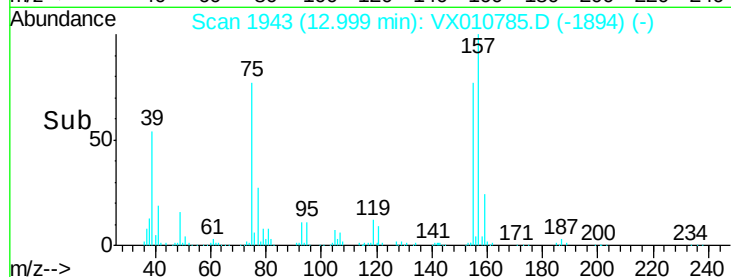
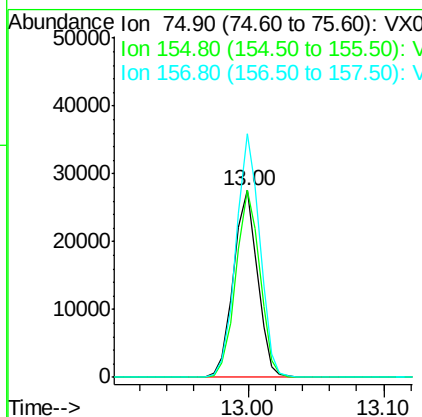
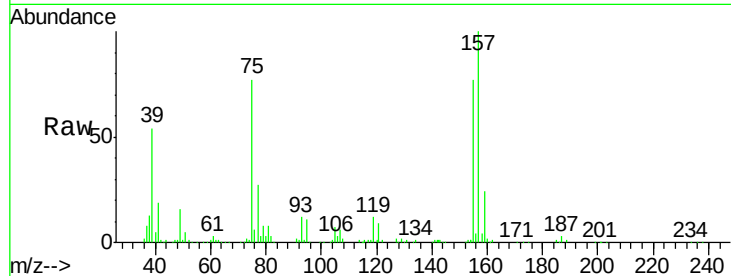
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.261 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion: 75 Resp: 33883
 Ion Ratio Lower Upper
 75 100
 155 99.8 54.4 163.1
 157 128.8 69.5 208.3

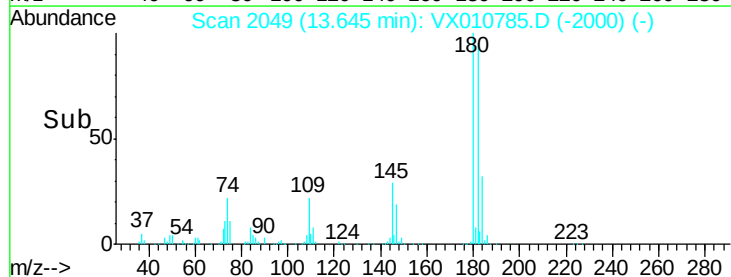
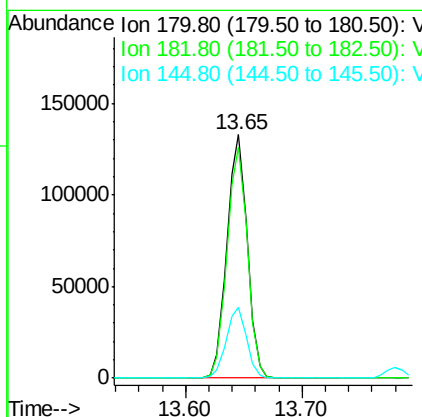
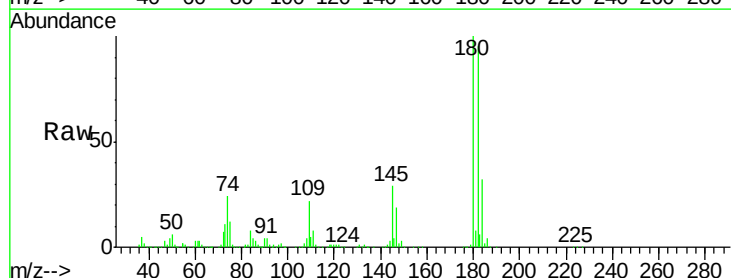
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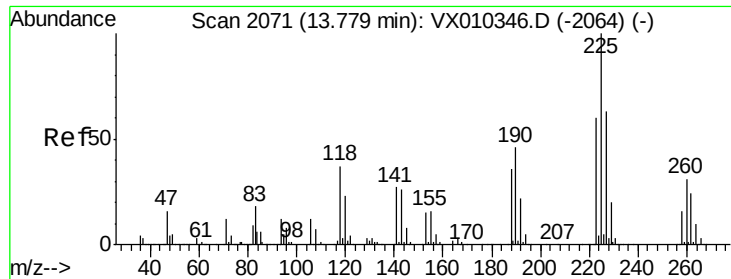
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#93
 1,2,4-Trichlorobenzene
 Concen: 46.599 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Tgt Ion: 180 Resp: 160582
 Ion Ratio Lower Upper
 180 100
 182 95.4 48.0 144.0
 145 29.0 14.4 43.4





#94

Hexachlorobutadiene

Concen: 47.063 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Instrument :

MSVOA_X

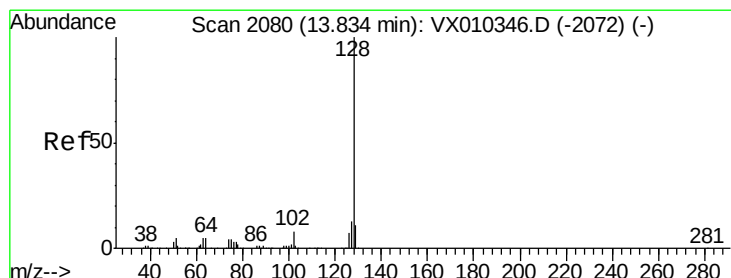
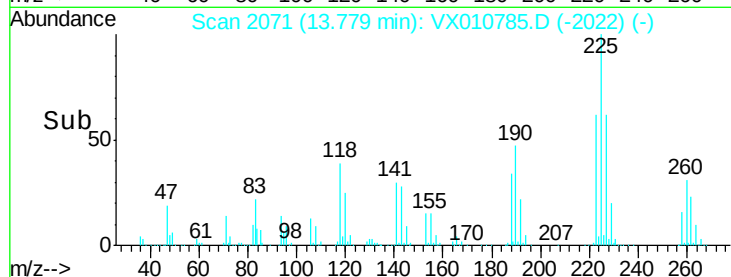
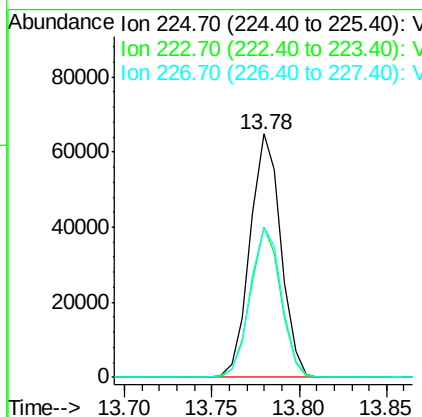
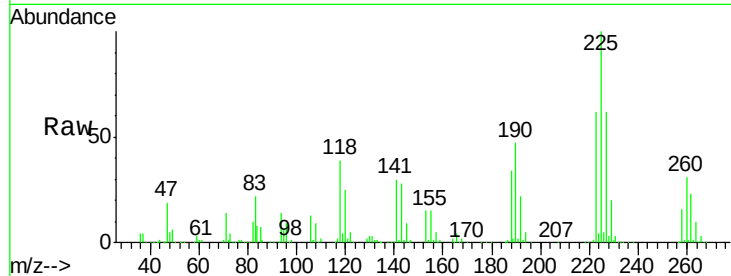
ClientSampleId :

KY030LC068-SW-190709MS

Tgt Ion:	225	Resp:	79263
Ion Ratio	Lower	Upper	
225	100		
223	60.7	30.9	92.7
227	62.5	31.9	95.5

Manual Integrations
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#95

Naphthalene

Concen: 47.104 ug/l

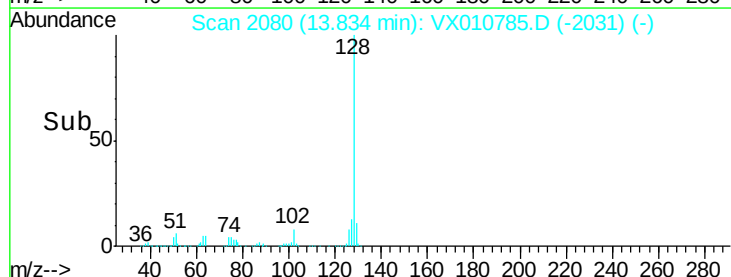
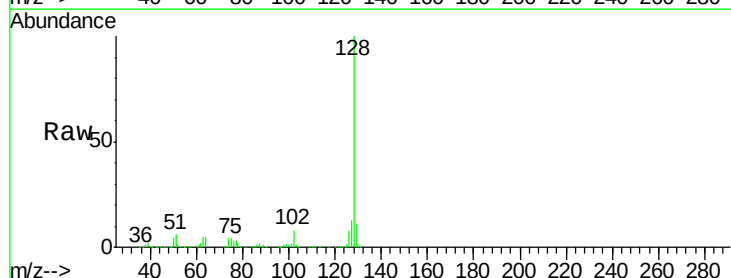
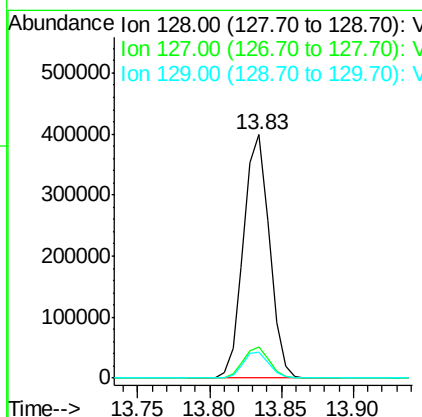
RT: 13.83 min Scan# 2080

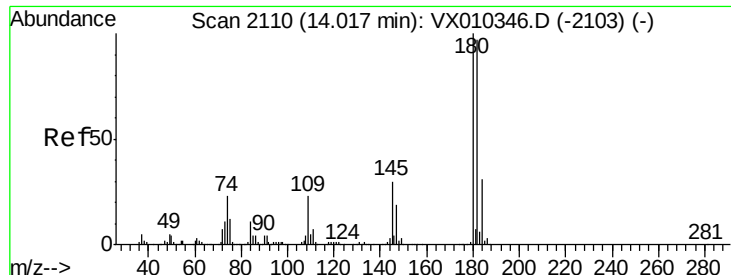
Delta R.T. 0.00 min

Lab File: VX010785.D

Acq: 10 Jul 2019 18:19

Tgt Ion:	128	Resp:	498820
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	10.9	8.9	13.3





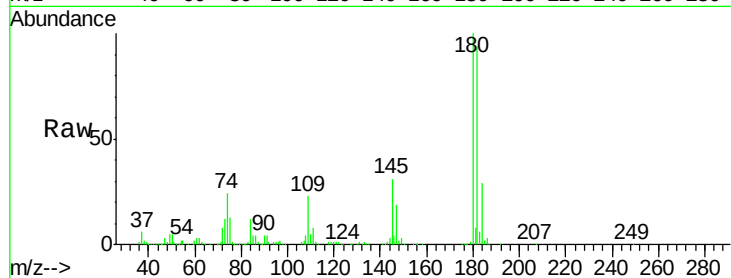
#96
 1,2,3-Trichlorobenzene
 Concen: 47.270 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010785.D
 Acq: 10 Jul 2019 18:19

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MS

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.9	47.8	143.3
145	31.3	15.2	45.6

Manual Integrations
 APPROVED

MMDadoda
 7/11/2019 10:54:07 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

