

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX071019\
 Data File : VX010786.D
 Acq On : 10 Jul 2019 18:43
 Operator : JC/SP
 Sample : K3732-03MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MSD

Manual Integrations
 APPROVED

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

Quant Time: Jul 11 03:12:26 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	190372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	288007	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145626	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	96841	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	5.50	113	91856	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
50) Toluene-d8	8.71	98	335693	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	11.13	95	127951	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	82355	62.224	ug/l	100
3) Chloromethane	1.32	50	84648	54.925	ug/l	100
4) Vinyl Chloride	1.41	62	93895	55.624	ug/l	100
5) Bromomethane	1.64	94	50900	61.894	ug/l	96
6) Chloroethane	1.71	64	61045	61.296	ug/l	96
7) Trichlorofluoromethane	1.92	101	163099	60.950	ug/l	99
8) Diethyl Ether	2.19	74	57270	59.679	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.38	101	91184	56.230	ug/l	98
10) Methyl Iodide	2.51	142	128023	55.318	ug/l	97
11) Tert butyl alcohol	3.05	59	107412	229.976	ug/l	98
12) 1,1-Dichloroethene	2.37	96	93202	56.482	ug/l	99
13) Acrolein	2.29	56	71451	230.611	ug/l	100
14) Allyl chloride	2.73	41	131890	56.299	ug/l	97
15) Acrylonitrile	3.14	53	266200	287.871	ug/l	100
16) Acetone	2.45	43	211000	235.873	ug/l	97
17) Carbon Disulfide	2.57	76	220370	49.779	ug/l	99
18) Methyl Acetate	2.78	43	95003	53.286	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	293446	56.529	ug/l	99
20) Methylene Chloride	2.85	84	102581	55.722	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	97100	54.713	ug/l	98
22) Diisopropyl ether	3.85	45	281519	57.476	ug/l	98
23) Vinyl Acetate	3.81	43	1155741	273.138	ug/l	98
24) 1,1-Dichloroethane	3.70	63	159818	56.449	ug/l	99
25) 2-Butanone	4.67	43	355060	270.585	ug/l	99
26) 2,2-Dichloropropane	4.58	77	114414	46.520	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	113146	55.171	ug/l	100
28) Bromochloromethane	5.01	49	68722	50.768	ug/l	95
29) Tetrahydrofuran	5.13	42	231377	284.673	ug/l	99
30) Chloroform	5.21	83	172307	56.564	ug/l	95
31) Cyclohexane	5.58	56	145475	56.425	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	150608	55.992	ug/l	99
36) 1,1-Dichloropropene	5.80	75	125978	55.044	ug/l	98
37) Ethyl Acetate	4.83	43	125919	53.481	ug/l	99
38) Carbon Tetrachloride	5.79	117	132655	53.526	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	158043	52.534	ug/l	98
40) Benzene	6.14	78	393152	55.138	ug/l	100
41) Methacrylonitrile	5.04	41	74789	57.892	ug/l	96
42) 1,2-Dichloroethane	6.20	62	130828	60.277	ug/l	97
43) Isopropyl Acetate	6.45	43	207525	53.274	ug/l	98
44) Trichloroethene	7.21	130	114240	53.544	ug/l	93
45) 1,2-Dichloropropane	7.51	63	99293	55.145	ug/l	98
46) Dibromomethane	7.66	93	72312	55.974	ug/l	95
47) Bromodichloromethane	7.90	83	129520	54.707	ug/l	100
48) Methyl methacrylate	7.77	41	104642	57.792	ug/l	98
49) 1,4-Dioxane	7.74	88	50542	968.971	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	727373	291.956	ug/l	98
52) Toluene	8.78	92	256350	54.594	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	138540	52.194	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	151829	52.636	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	107724	55.627	ug/l	98
56) Ethyl methacrylate	9.18	69	161751	55.137	ug/l	95
57) 1,3-Dichloropropane	9.37	76	167753	55.804	ug/l	100
59) 2-Hexanone	9.49	43	570507	290.955	ug/l	98
60) Dibromochloromethane	9.58	129	116378	53.673	ug/l	99
61) 1,2-Dibromoethane	9.67	107	115721	55.362	ug/l	99
64) Tetrachloroethene	9.34	164	107067	49.378	ug/l	98
65) Chlorobenzene	10.13	112	290170	53.315	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	105096	53.013	ug/l	99
67) Ethyl Benzene	10.25	91	502447	54.684	ug/l	99
68) m/p-Xylenes	10.36	106	391071	109.846	ug/l	99
69) o-Xylene	10.69	106	189783	54.206	ug/l	99
70) Styrene	10.71	104	327413	55.763	ug/l	98
71) Bromoform	10.85	173	87011	50.471	ug/l	100
73) Isopropylbenzene	11.02	105	506695	51.328	ug/l	98
74) N-amyl acetate	10.90	43	190651	51.103	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.27	83	172185	52.668	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	138090m	52.037	ug/l	
77) Bromobenzene	11.26	156	139579	50.637	ug/l	98
78) n-propylbenzene	11.36	91	572722	52.788	ug/l	98
79) 2-Chlorotoluene	11.42	91	336316	52.057	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	428289	52.628	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	49174	43.230	ug/l	90
82) 4-Chlorotoluene	11.51	91	395141	53.750	ug/l	99
83) tert-Butylbenzene	11.77	119	423337	51.829	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	437022	53.451	ug/l	99
85) sec-Butylbenzene	11.94	105	501879	52.332	ug/l	100
86) p-Isopropyltoluene	12.06	119	467257	52.674	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	249141	51.780	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	248301	50.690	ug/l	99
89) n-Butylbenzene	12.38	91	400183	53.089	ug/l	99
90) Hexachloroethane	12.60	117	72415	47.211	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	249052	52.080	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	35560	50.450	ug/l	92
93) 1,2,4-Trichlorobenzene	13.65	180	164639	49.645	ug/l	100

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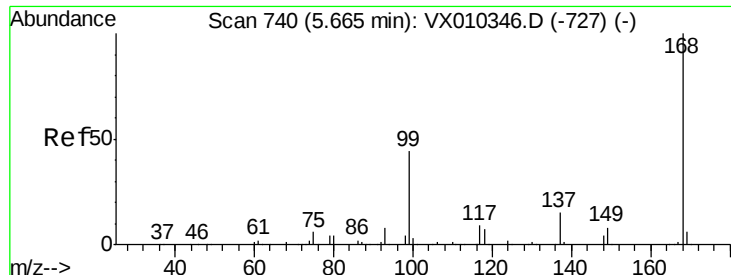
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	79078	48.790	ug/l	100
95) Naphthalene	13.83	128	517183	50.748	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	170091	51.586	ug/l	98

(#) = 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: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:168 Resp: 190372

Ion Ratio Lower Upper

168 100

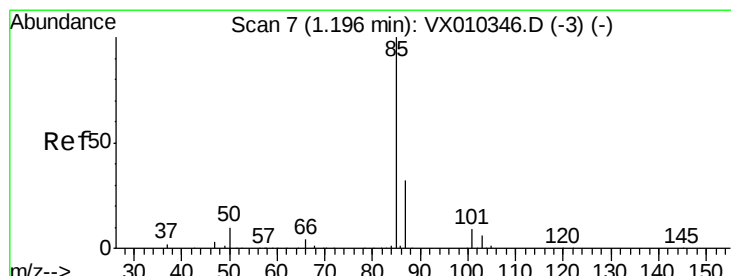
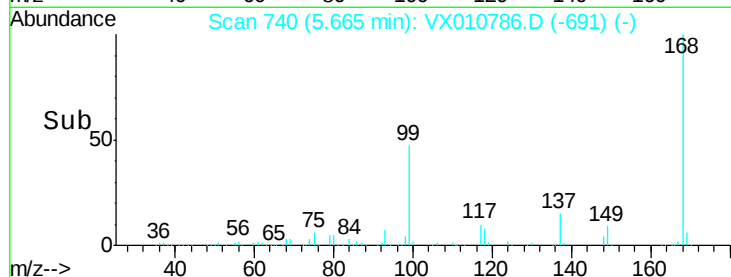
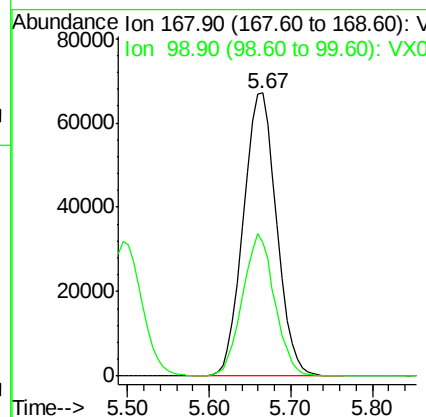
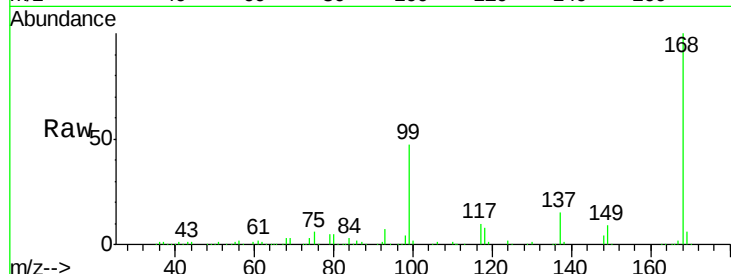
99 46.8 35.5 53.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 62.224 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010786.D

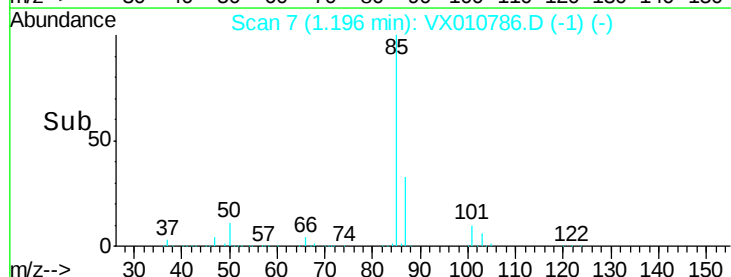
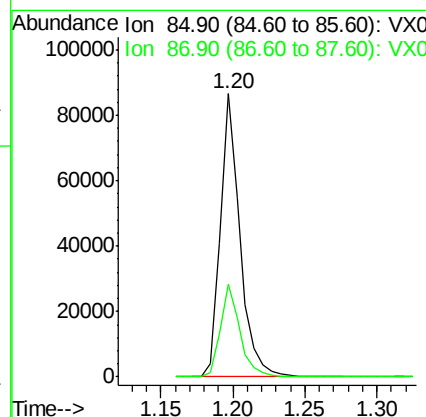
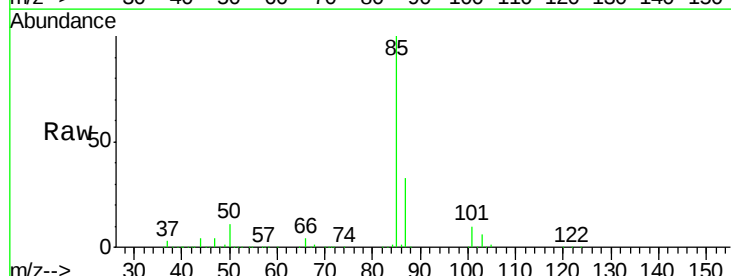
Acq: 10 Jul 2019 18:43

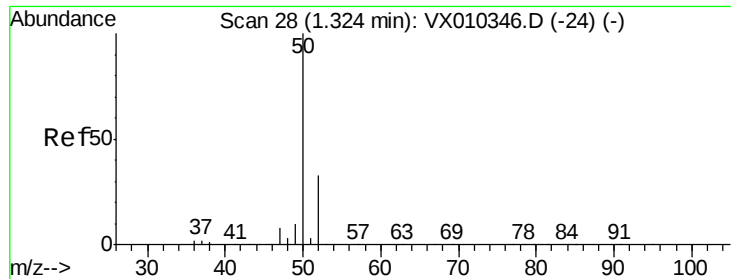
Tgt Ion: 85 Resp: 82355

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.8





#3

Chloromethane

Concen: 54.925 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 50 Resp: 84648

Ion Ratio Lower Upper

50 100

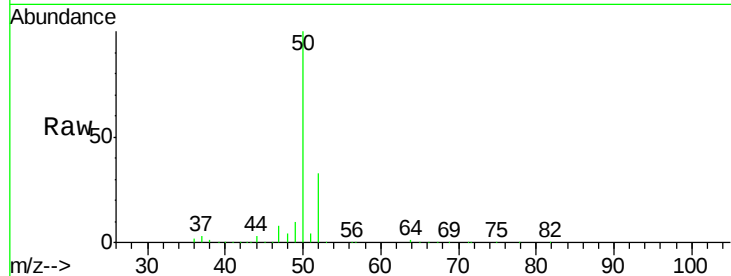
52 32.8 26.5 39.7

Manual Integrations

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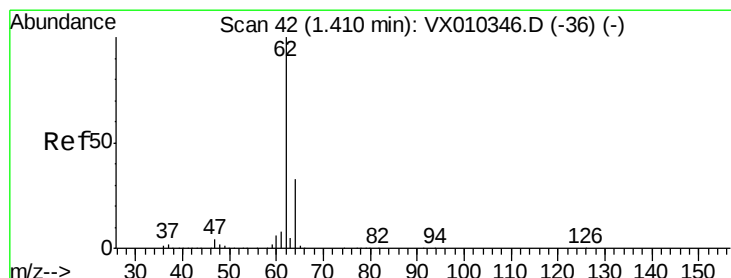
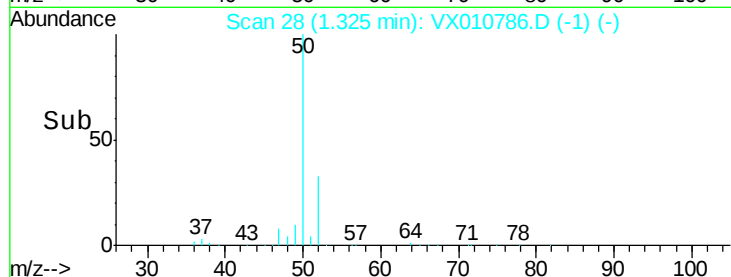
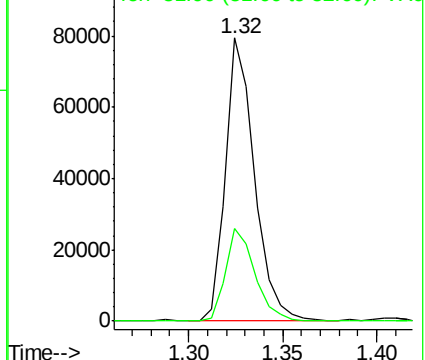
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 55.624 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010786.D

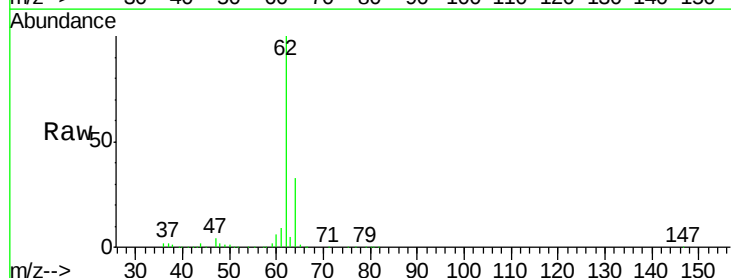
Acq: 10 Jul 2019 18:43

Tgt Ion: 62 Resp: 93895

Ion Ratio Lower Upper

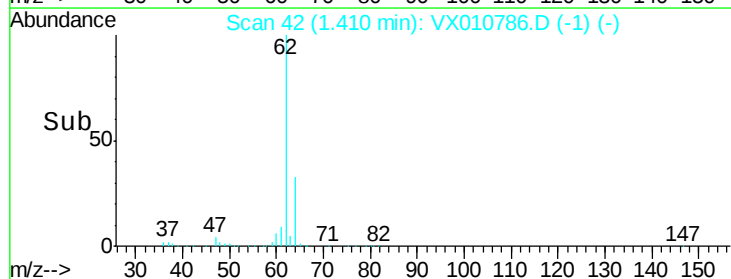
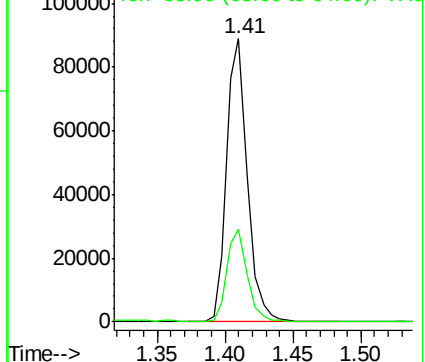
62 100

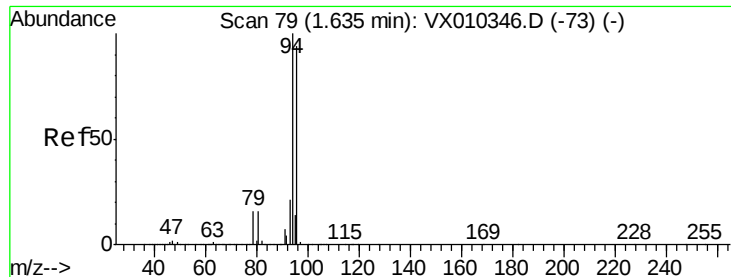
64 32.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 61.894 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 94 Resp: 50900

Ion Ratio Lower Upper

94 100

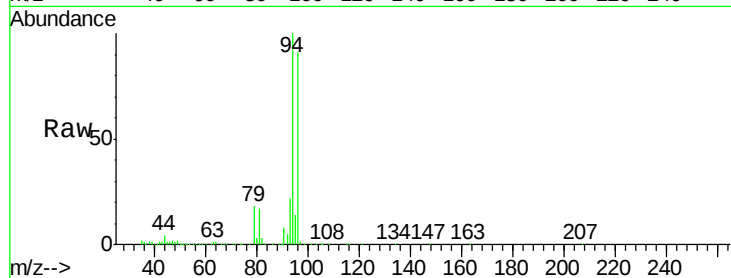
96 90.6 75.5 113.3

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

60000

50000

40000

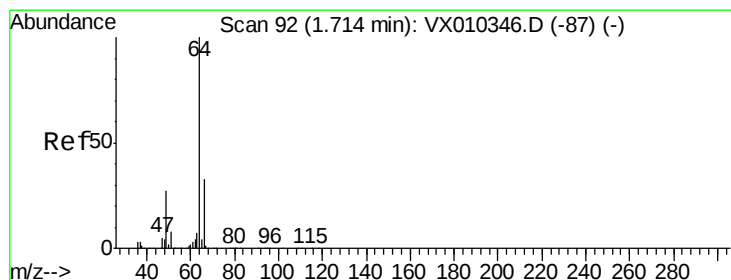
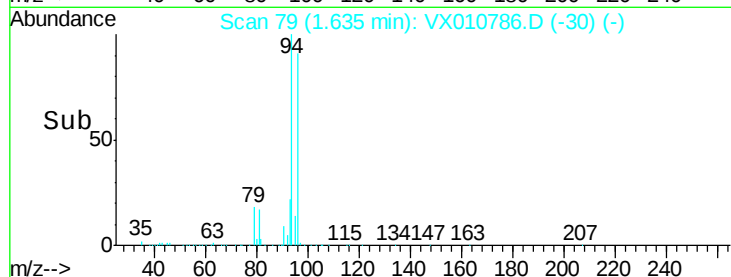
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 61.296 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010786.D

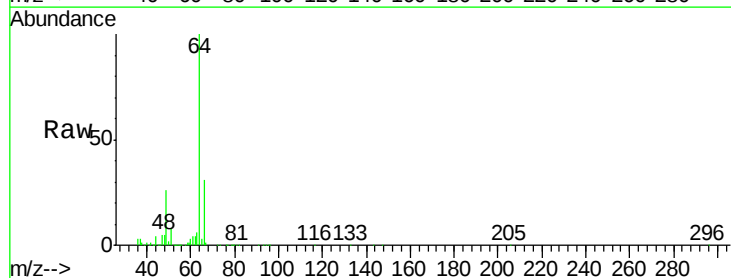
Acq: 10 Jul 2019 18:43

Tgt Ion: 64 Resp: 61045

Ion Ratio Lower Upper

64 100

66 31.2 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

50000

40000

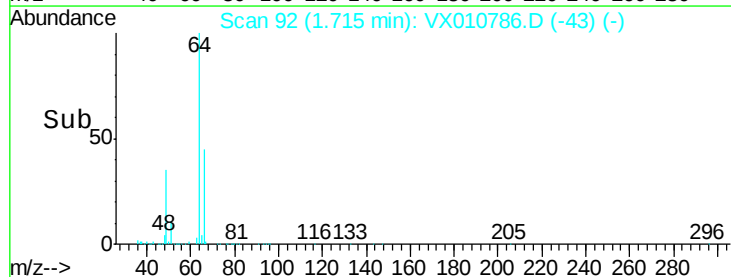
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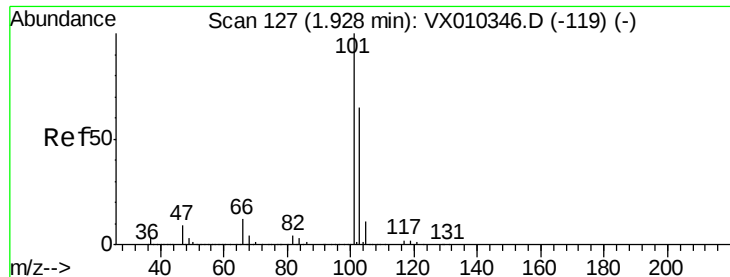
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10000

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Time-->





#7

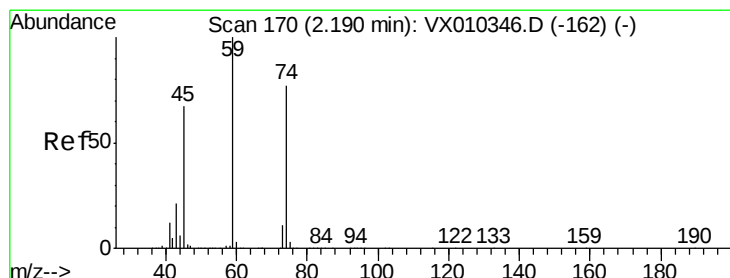
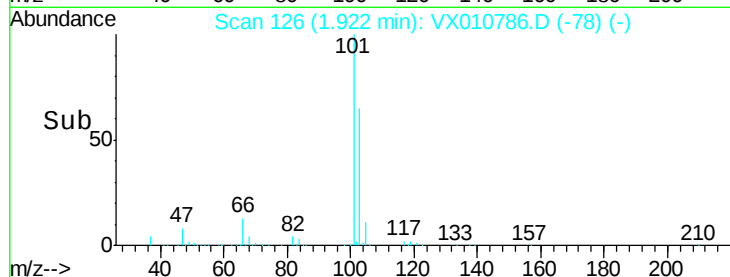
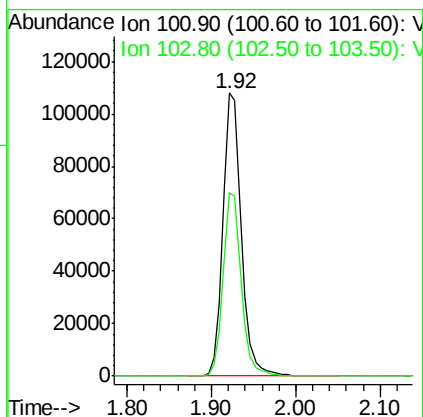
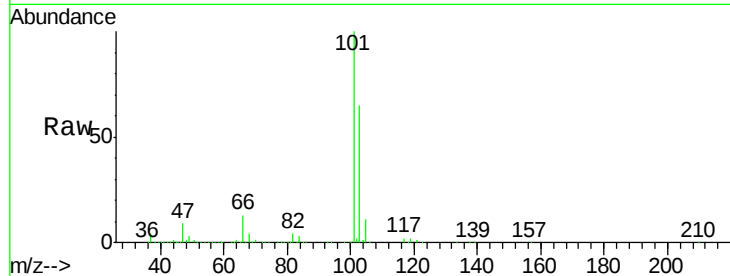
Trichlorofluoromethane
Concen: 60.950 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
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ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion:101 Resp: 163099
Ion Ratio Lower Upper
101 100
103 64.8 52.3 78.5

Manual Integrations
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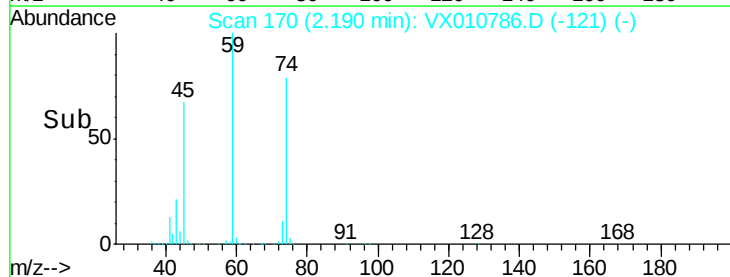
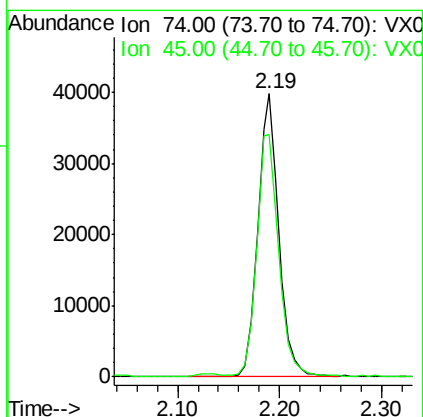
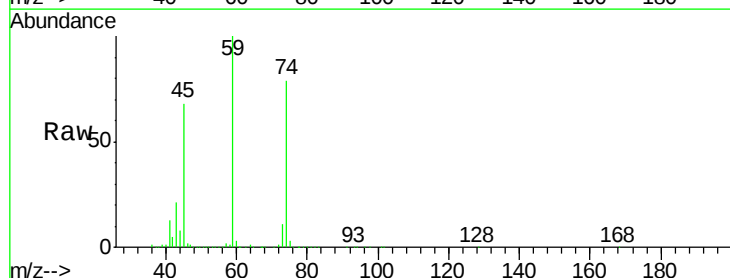
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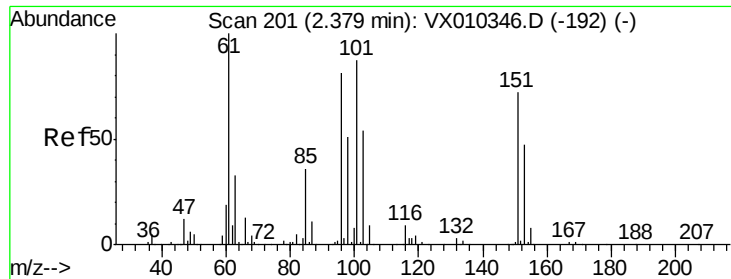


#8

Diethyl Ether
Concen: 59.679 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion: 74 Resp: 57270
Ion Ratio Lower Upper
74 100
45 89.7 44.8 134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.230 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

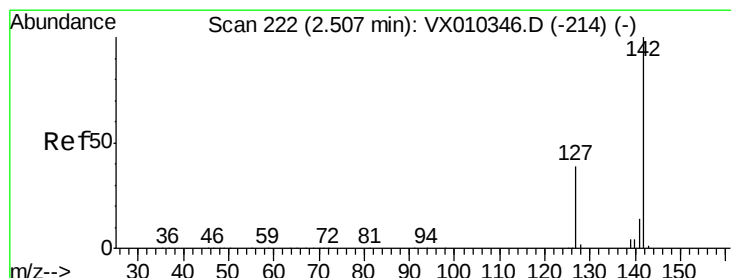
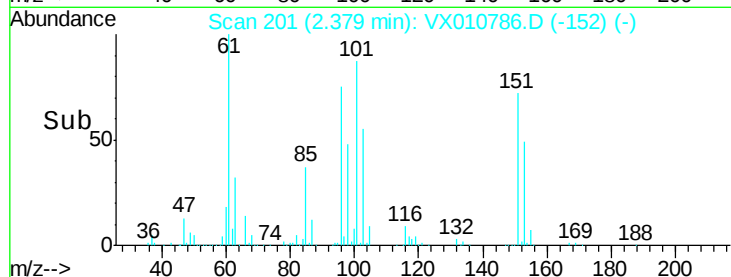
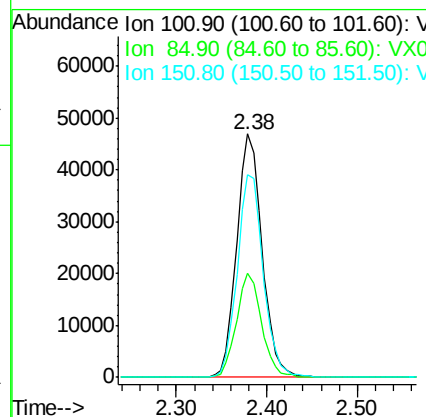
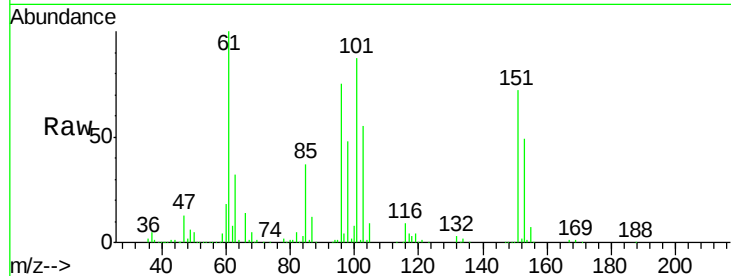
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	101	Resp:	91184
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.7	50.5
151	85.5	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 55.318 ug/l

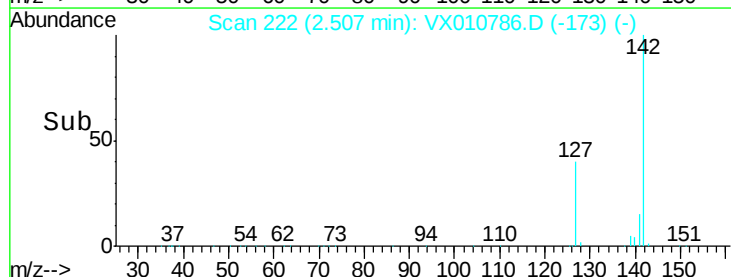
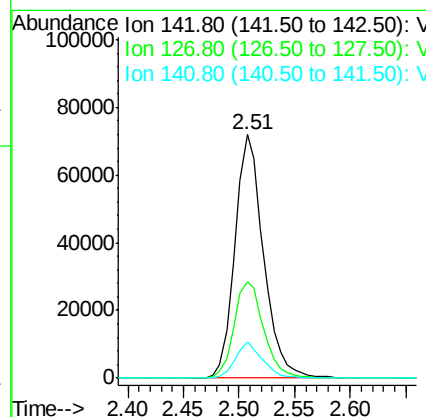
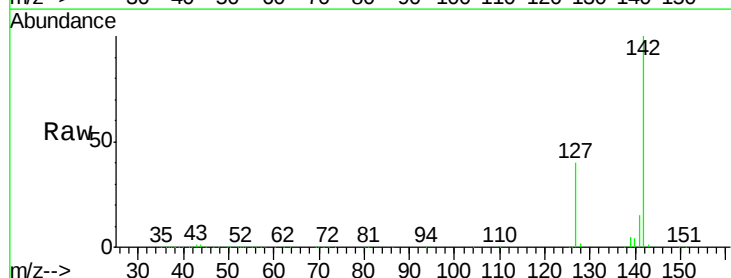
RT: 2.51 min Scan# 222

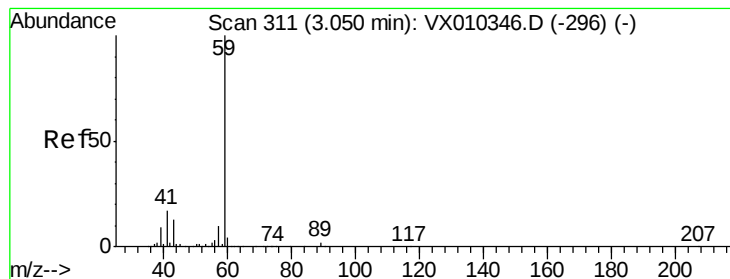
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	142	Resp:	128023
Ion Ratio	Lower	Upper	
142	100		
127	41.0	31.1	46.7
141	14.1	11.2	16.8





#11

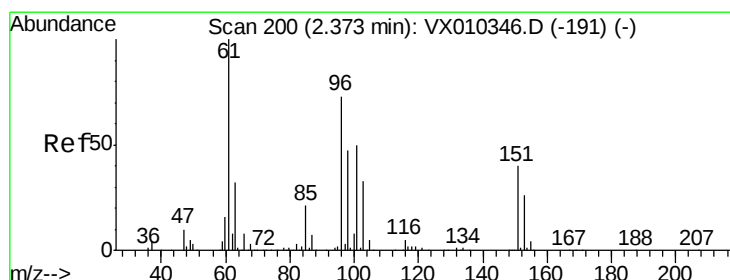
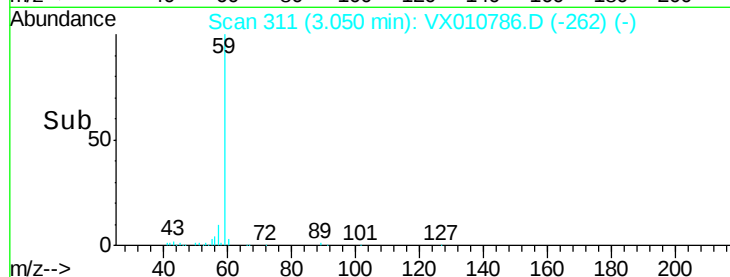
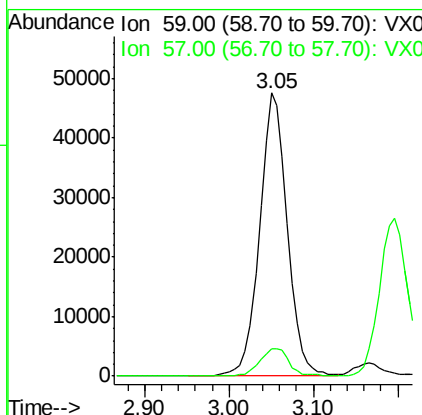
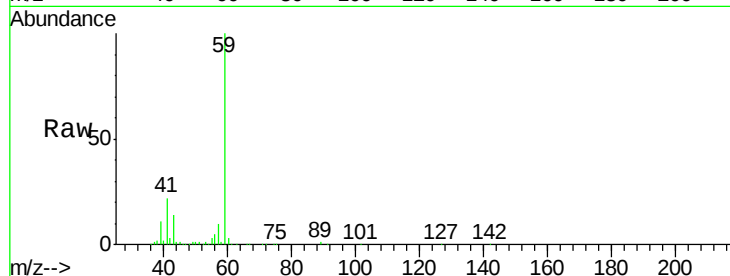
Tert butyl alcohol
Concen: 229.976 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion: 59 Resp: 107412
Ion Ratio Lower Upper
59 100
57 10.5 7.7 11.5

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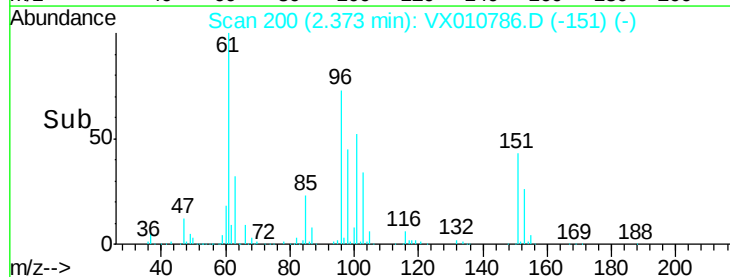
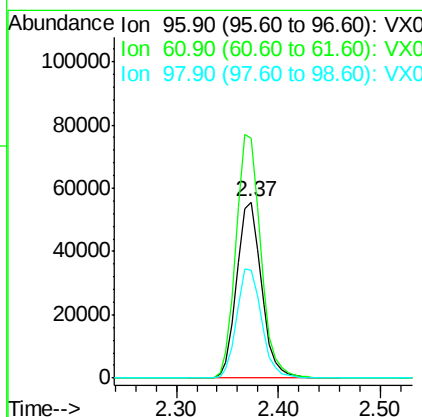
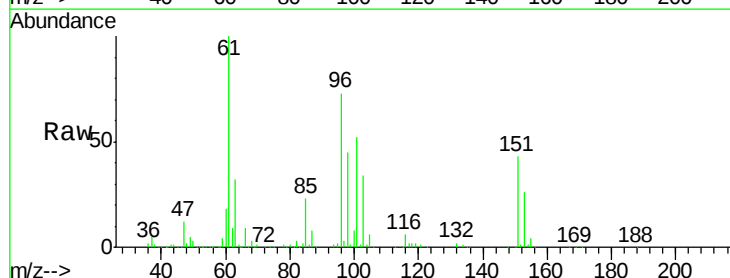
MMDadoda
7/11/2019 10:54:11 AM

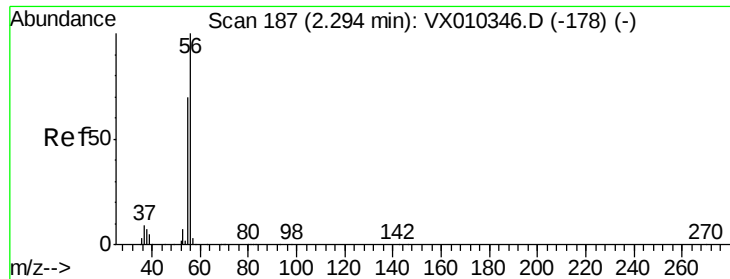


#12

1,1-Dichloroethene
Concen: 56.482 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion: 96 Resp: 93202
Ion Ratio Lower Upper
96 100
61 136.5 109.2 163.8
98 61.6 51.1 76.7





#13

Acrolein

Concen: 230.611 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 56 Resp: 71451

Ion Ratio Lower Upper

56 100

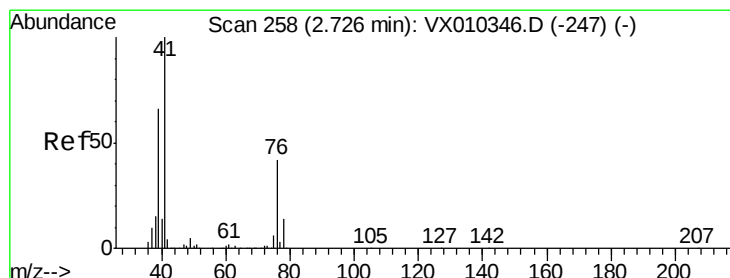
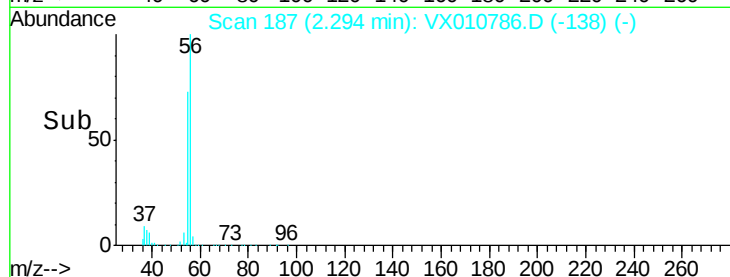
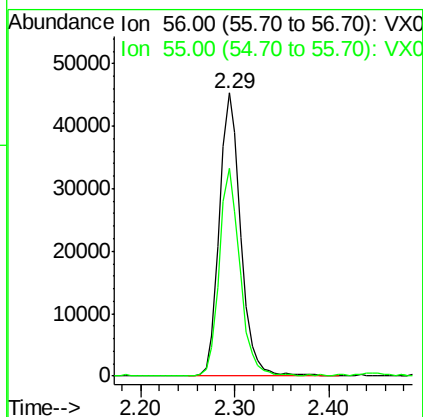
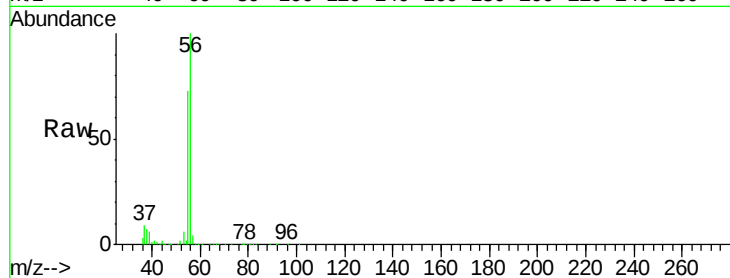
55 70.8 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 56.299 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

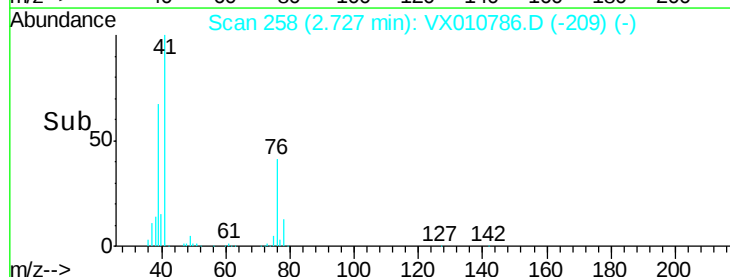
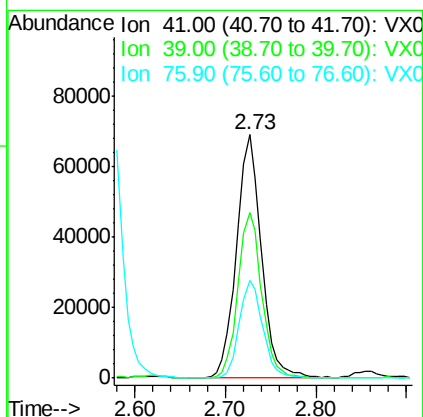
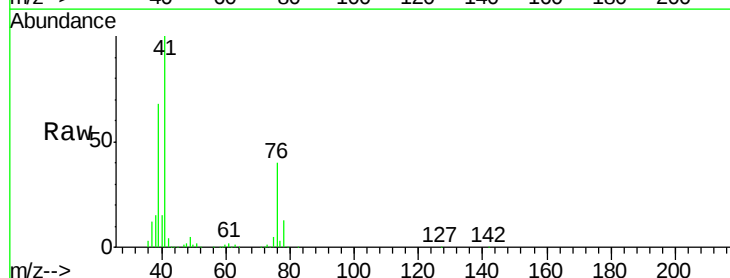
Tgt Ion: 41 Resp: 131890

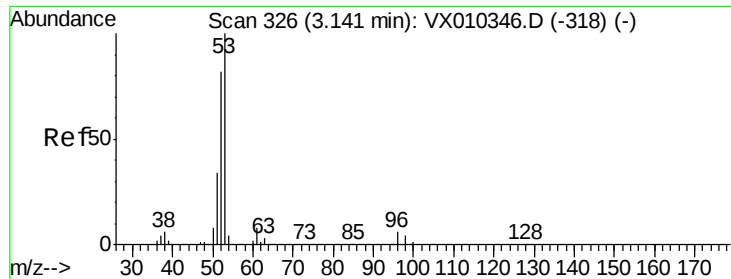
Ion Ratio Lower Upper

41 100

39 64.8 50.3 75.5

76 37.5 31.3 46.9





#15

Acrylonitrile

Concen: 287.871 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

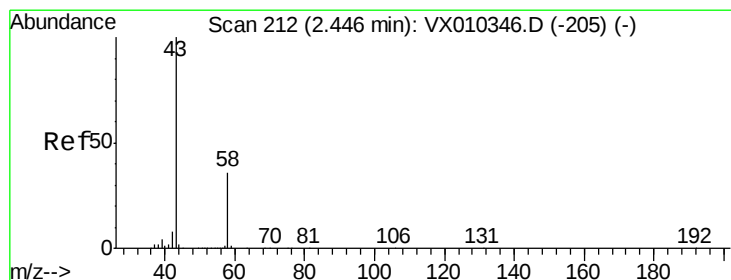
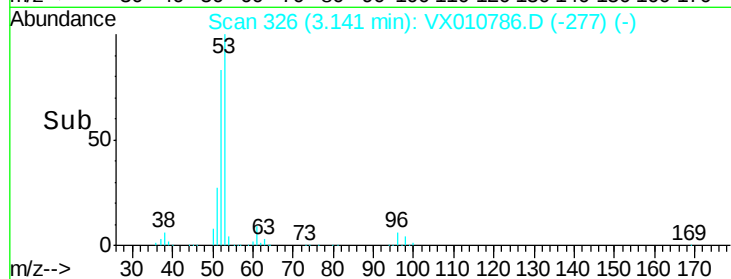
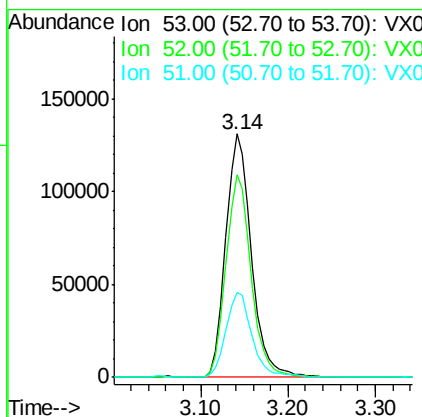
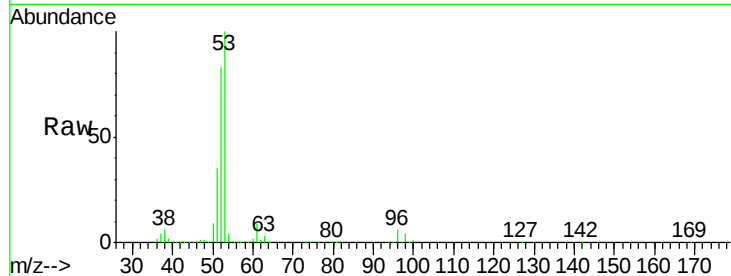
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	53	Resp:	266200
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	35.5	28.2	42.4

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#16

Acetone

Concen: 235.873 ug/l

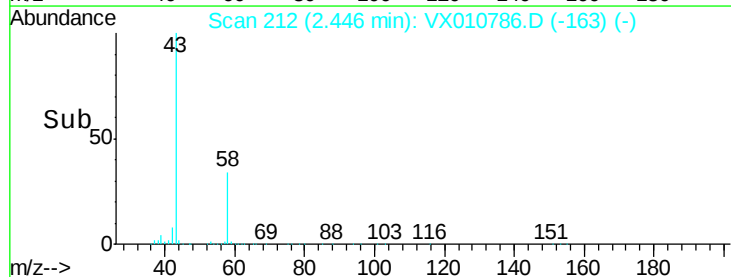
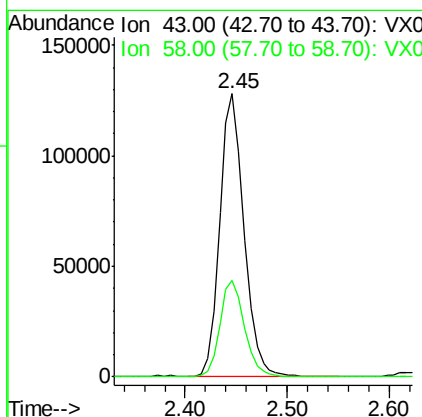
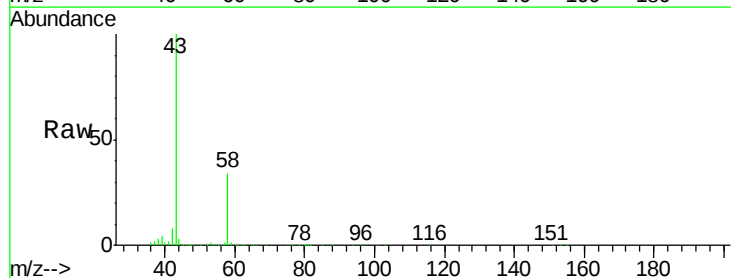
RT: 2.45 min Scan# 212

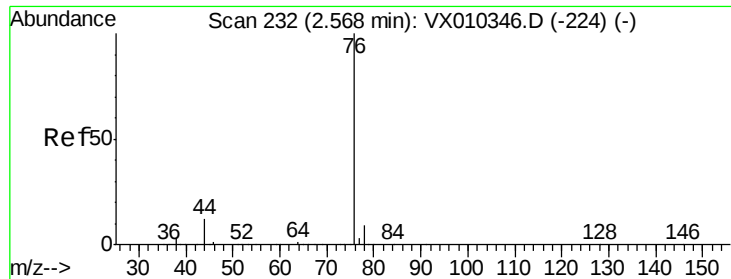
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	43	Resp:	211000
Ion	Ratio	Lower	Upper
43	100		
58	34.3	28.9	43.3





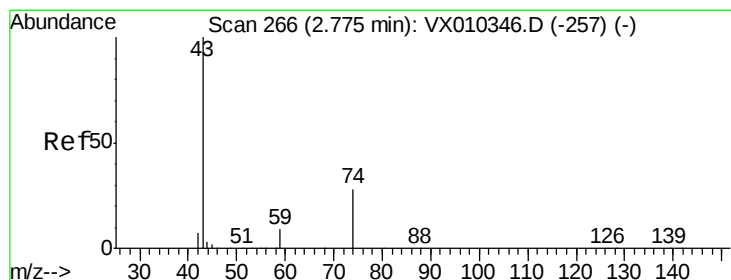
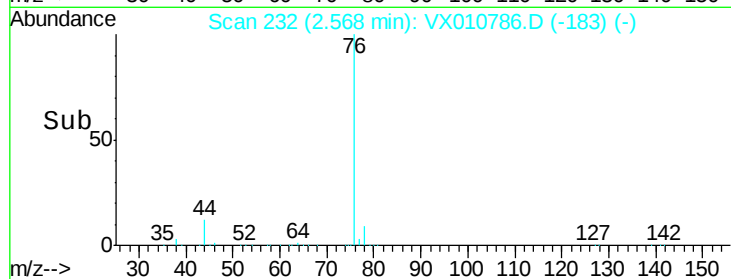
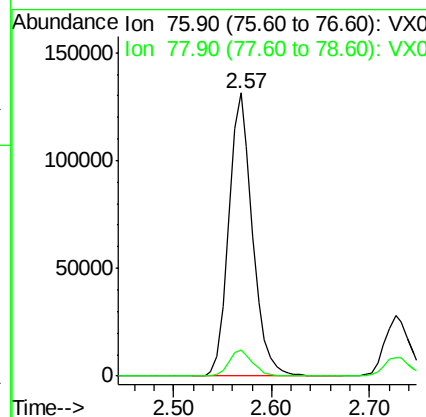
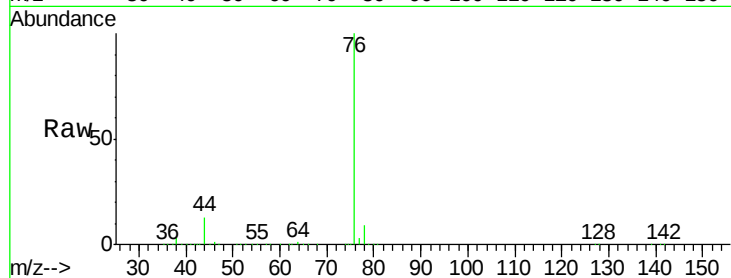
#17
Carbon Disulfide
Concen: 49.779 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

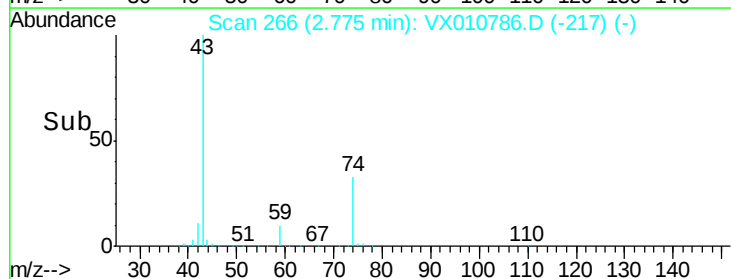
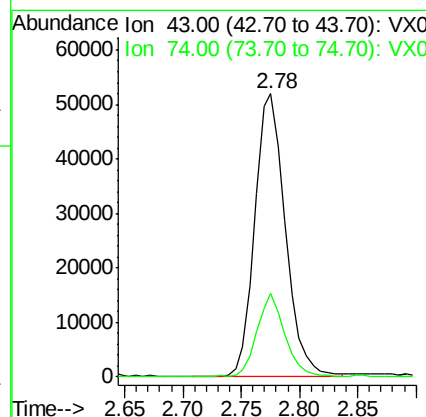
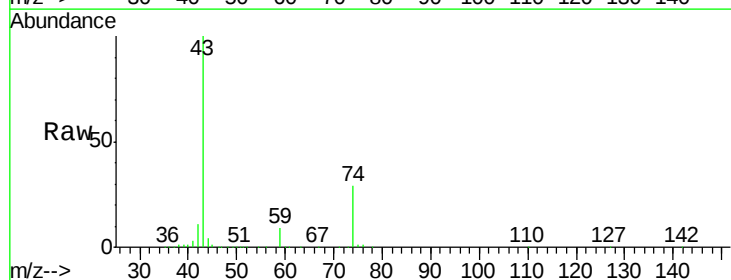
Manual Integrations
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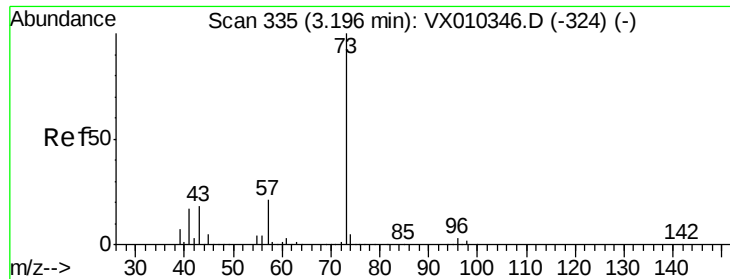
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#18
Methyl Acetate
Concen: 53.286 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.4	21.3	31.9





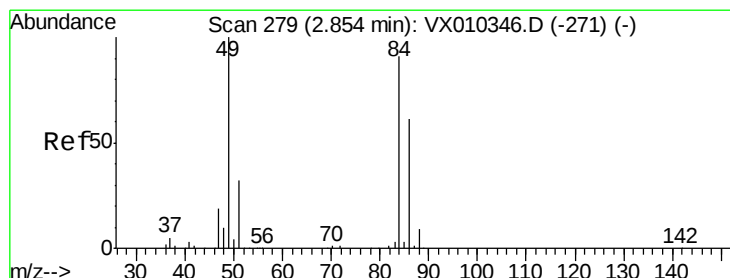
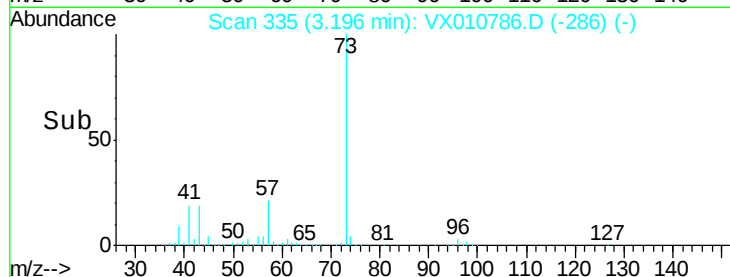
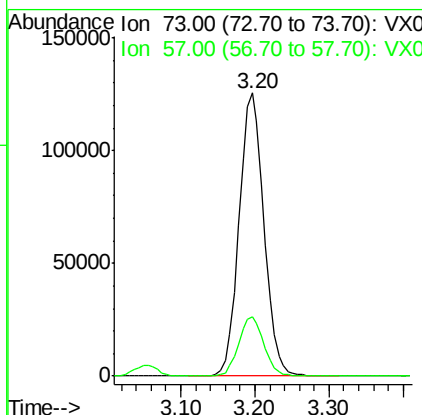
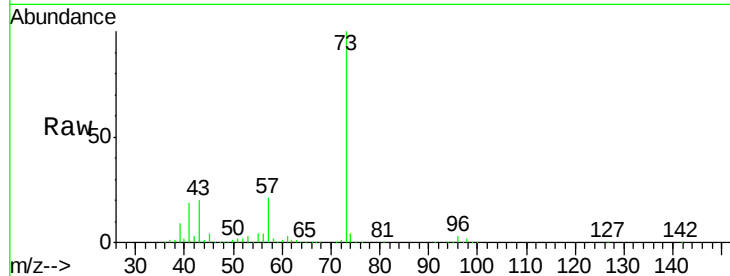
#19
Methyl tert-butyl Ether
Concen: 56.529 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion: 73 Resp: 293446
Ion Ratio Lower Upper
73 100
57 21.1 16.4 24.6

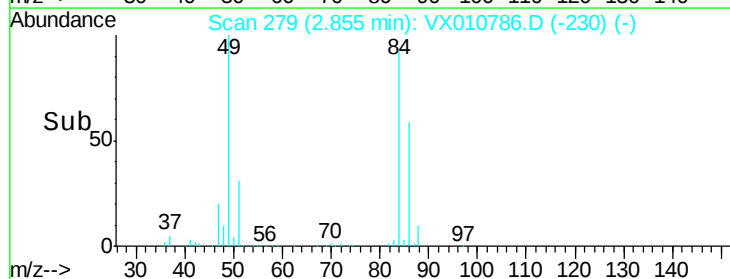
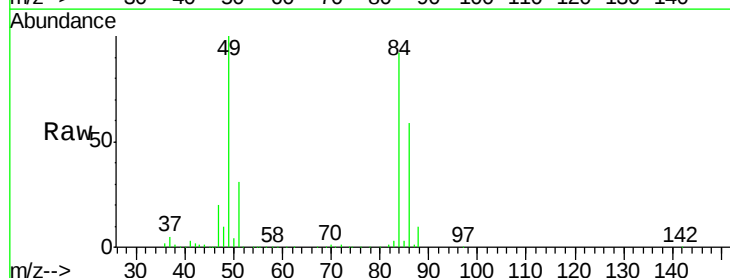
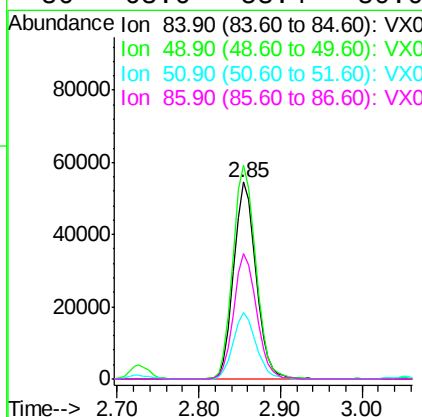
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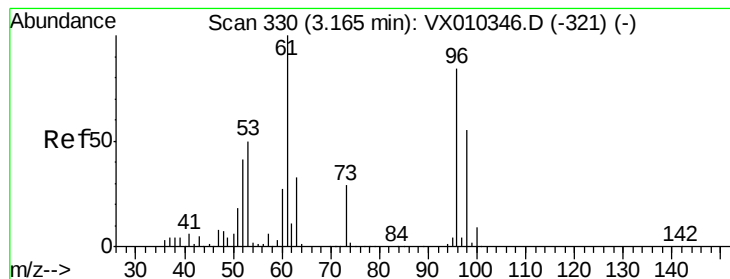
MMDadoda
7/11/2019 10:54:11 AM



#20
Methylene Chloride
Concen: 55.722 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion: 84 Resp: 102581
Ion Ratio Lower Upper
84 100
49 108.2 87.5 131.3
51 34.1 27.7 41.5
86 63.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 54.713 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

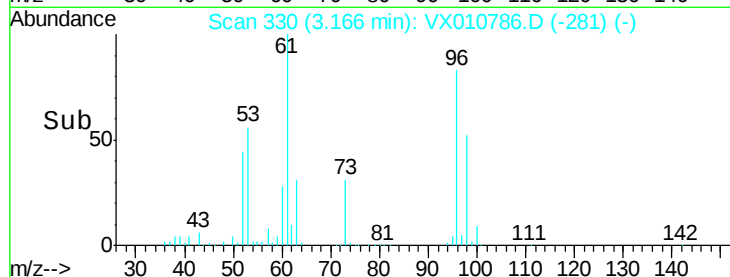
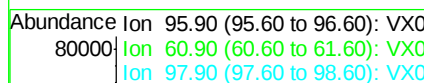
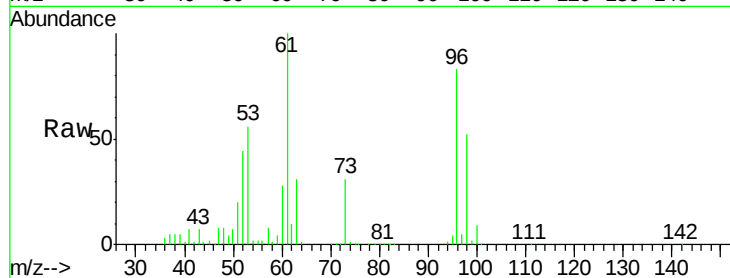
ClientSampleId :

KY030LC068-SW-190709MSD

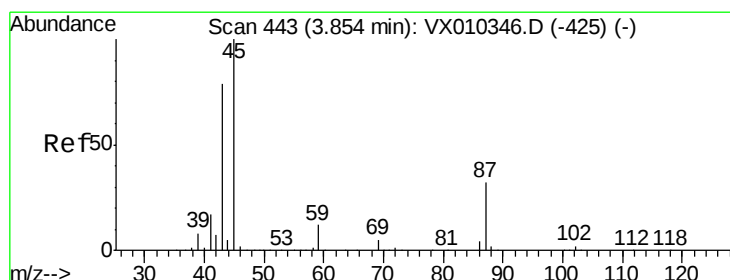
Tgt Ion:	96	Resp:	97100
Ion	Ratio	Lower	Upper
96	100		
61	121.0	95.6	143.4
98	62.8	52.5	78.7

Manual Integrations
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Time-->



#22

Diisopropyl ether

Concen: 57.476 ug/l

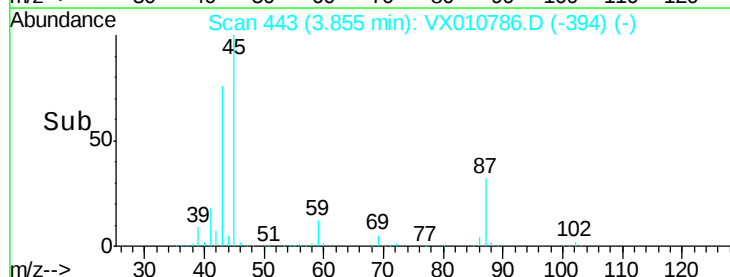
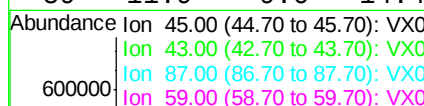
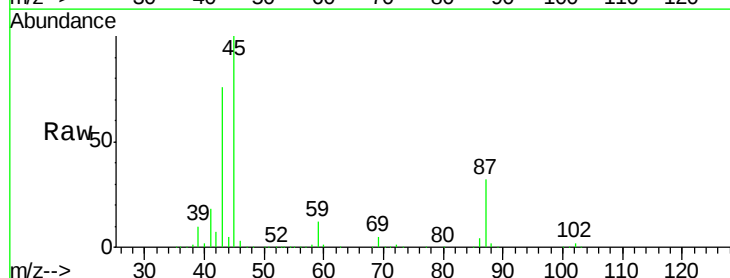
RT: 3.85 min Scan# 443

Delta R.T. 0.00 min

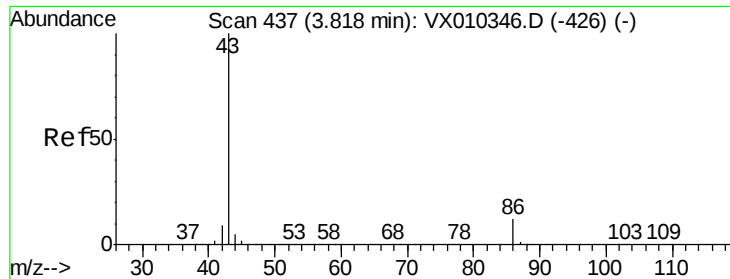
Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	45	Resp:	281519
Ion	Ratio	Lower	Upper
45	100		
43	76.1	63.3	94.9
87	31.9	25.8	38.8
59	11.9	9.6	14.4



Time-->



#23

Vinyl Acetate

Concen: 273.138 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 43 Resp: 1155741

Ion Ratio Lower Upper

43 100

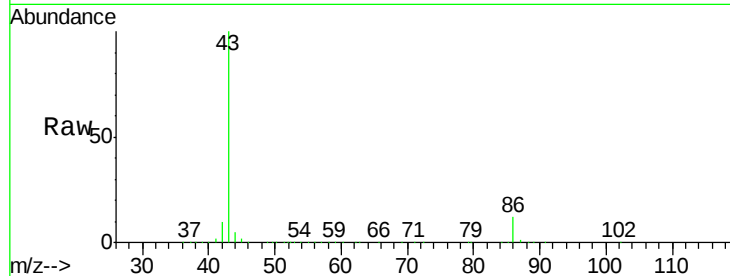
86 11.7 9.9 14.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.81

400000

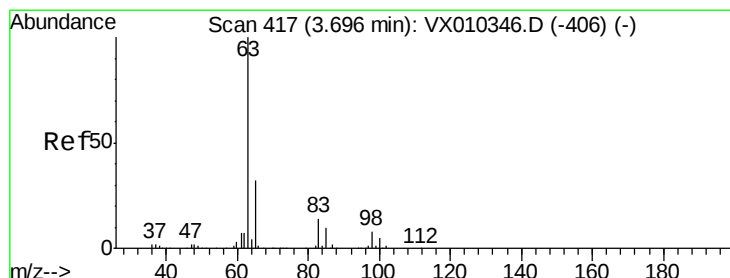
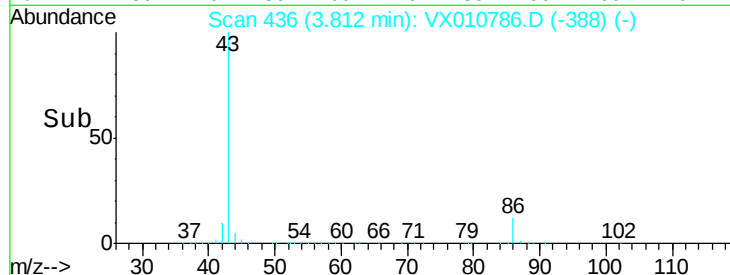
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 56.449 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

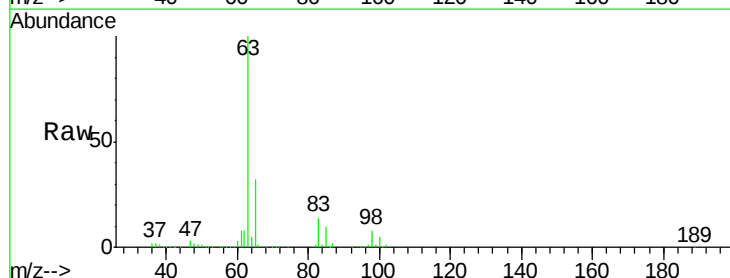
Tgt Ion: 63 Resp: 159818

Ion Ratio Lower Upper

63 100

98 7.9 3.9 11.7

100 5.1 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

3.70

80000

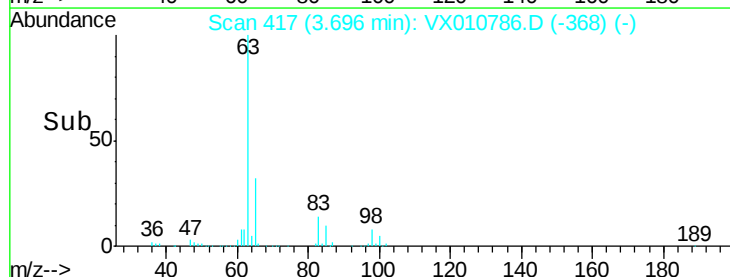
60000

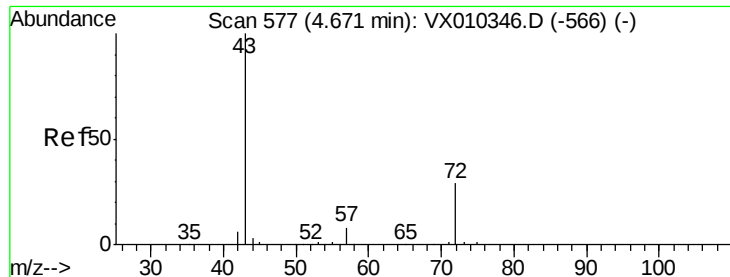
40000

20000

0

Time-->





#25

2-Butanone

Concen: 270.585 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 43 Resp: 355060

Ion Ratio Lower Upper

43 100

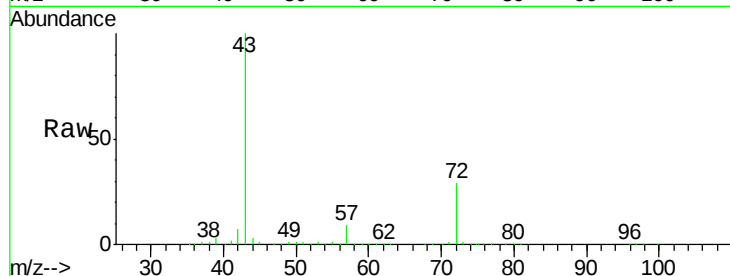
72 28.6 23.3 34.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

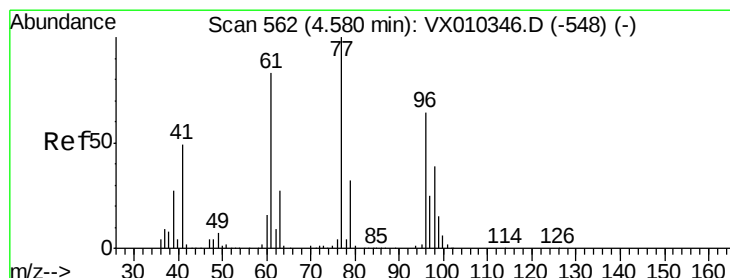
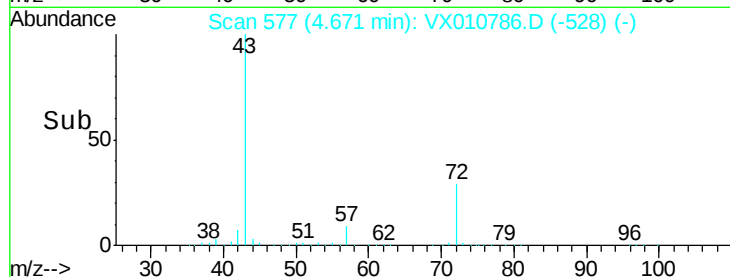
4.67

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 46.520 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010786.D

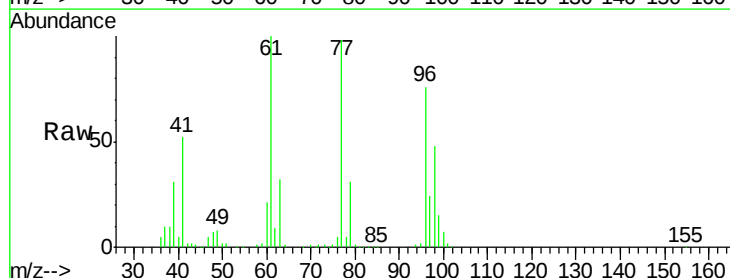
Acq: 10 Jul 2019 18:43

Tgt Ion: 77 Resp: 114414

Ion Ratio Lower Upper

77 100

97 25.6 13.1 39.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

4.58

40000

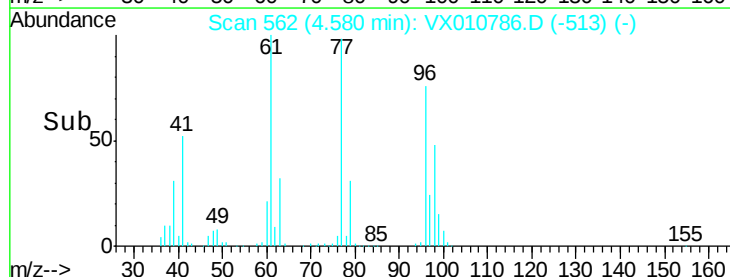
30000

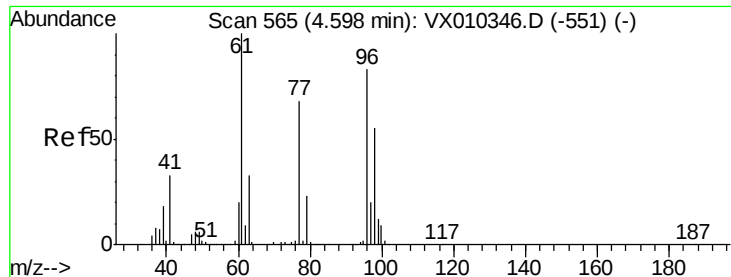
20000

10000

0

Time-->





#27

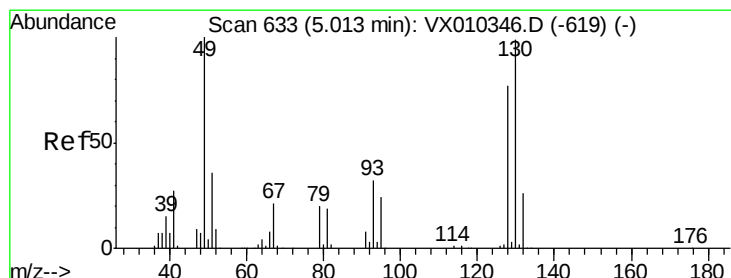
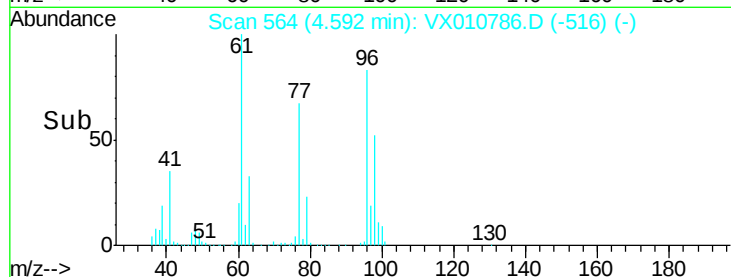
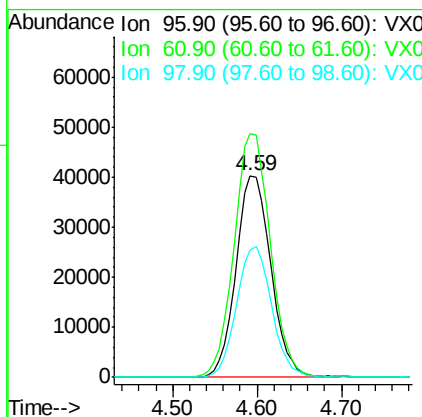
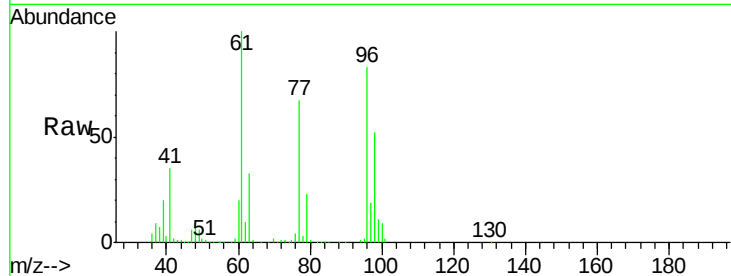
cis-1,2-Dichloroethene
Concen: 55.171 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	113146		
61	126.2	0.0	251.8	
98	65.2	0.0	129.4	

Manual Integrations
APPROVED

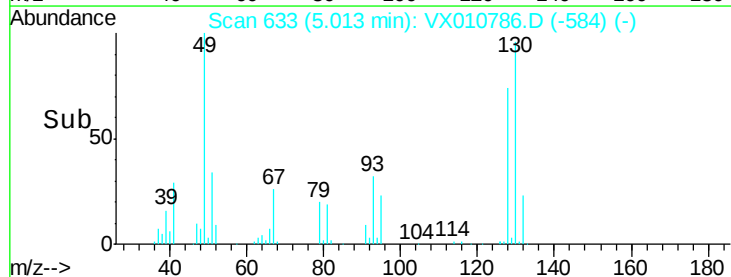
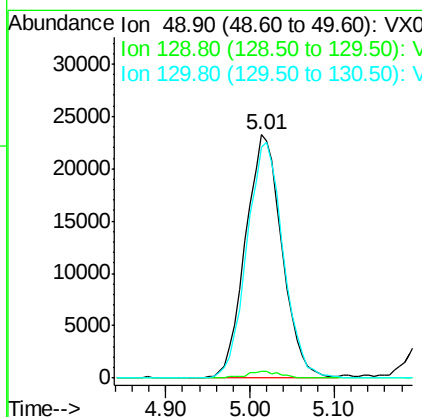
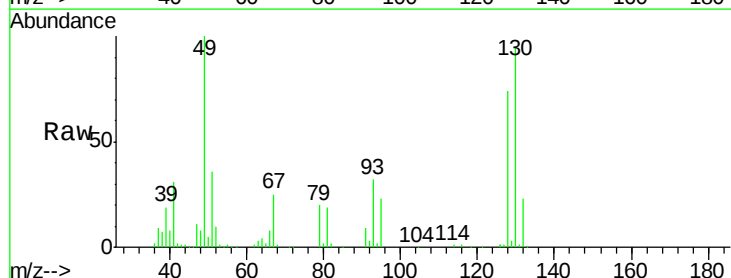
MMDadoda
7/11/2019 10:54:11 AM

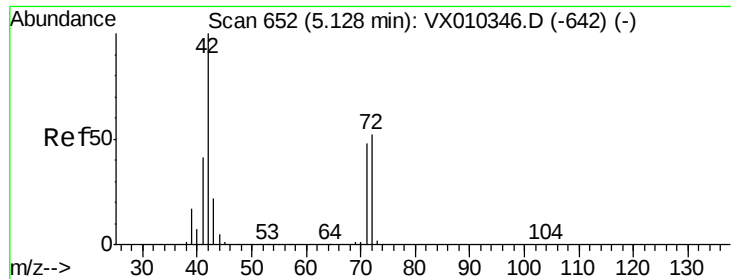


#28

Bromochloromethane
Concen: 50.768 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	68722		
129	2.6	0.0	5.6	
130	96.2	81.4	122.0	





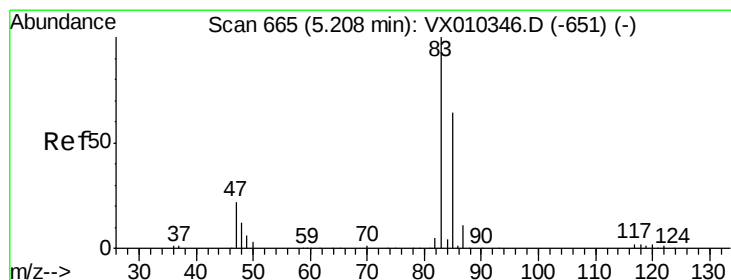
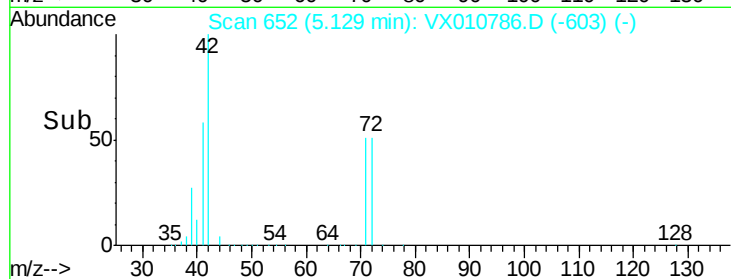
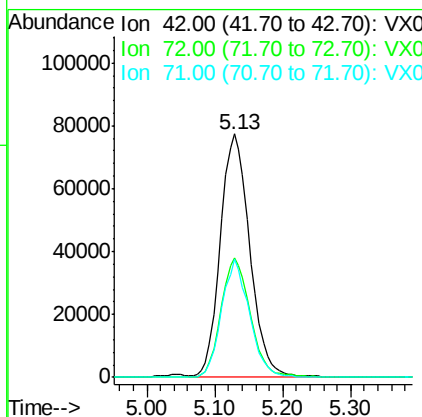
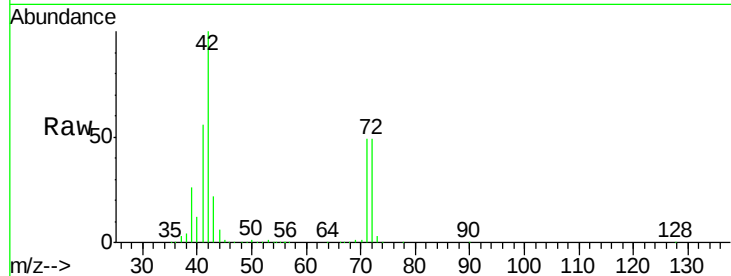
#29
Tetrahydrofuran
Concen: 284.673 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.5	40.6	60.8
71	46.5	37.8	56.8

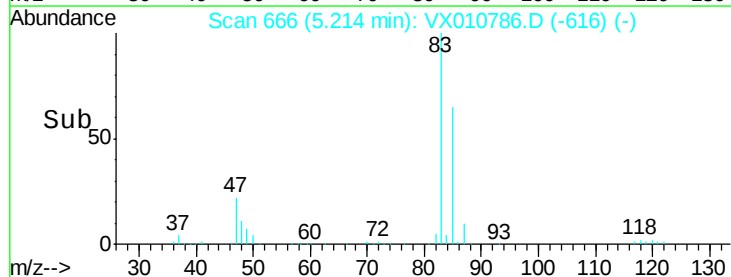
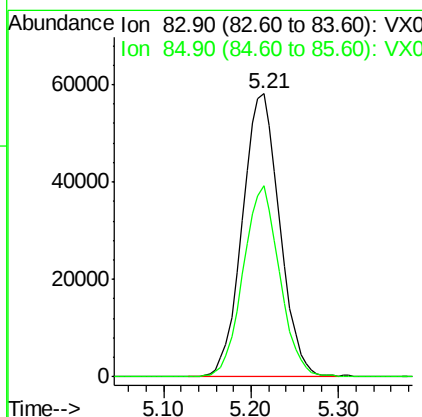
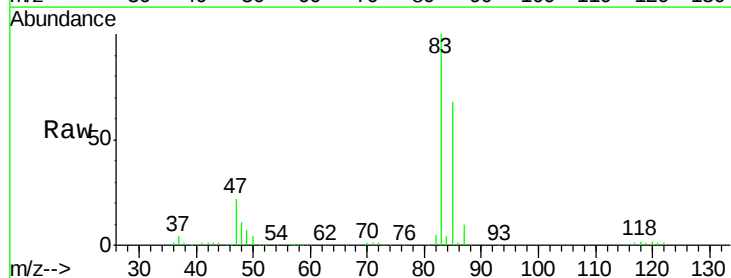
Manual Integrations
APPROVED

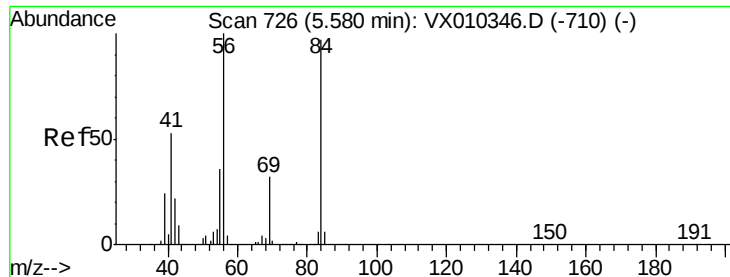
MMDadoda
7/11/2019 10:54:11 AM



#30
Chloroform
Concen: 56.564 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	50.9	76.3





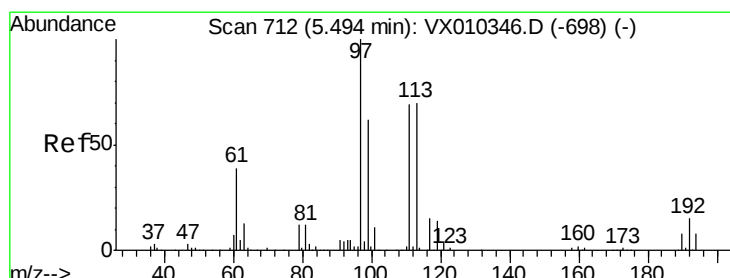
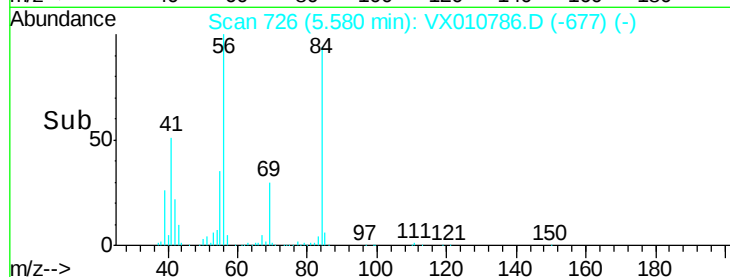
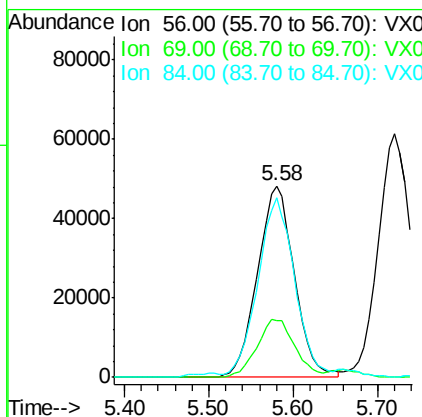
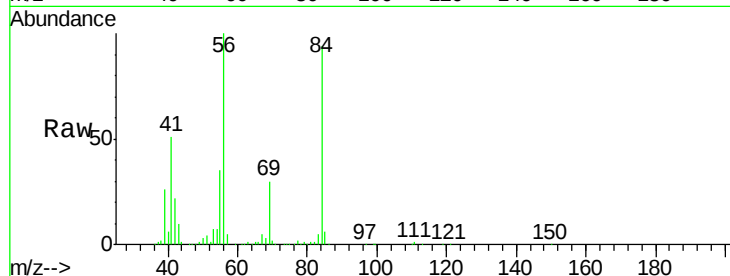
#31
Cyclohexane
Concen: 56.425 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.9	38.9
84	92.5	78.0	117.0

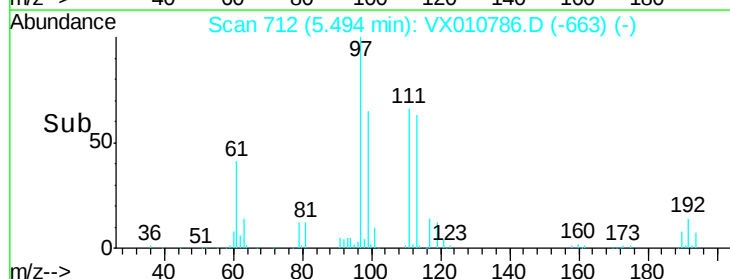
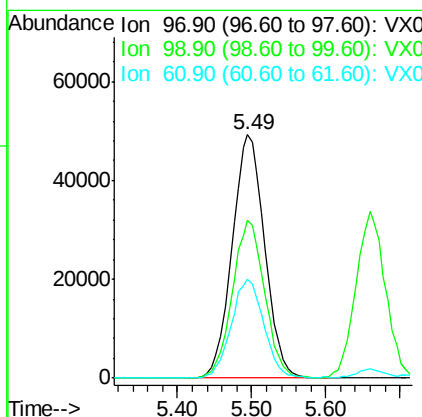
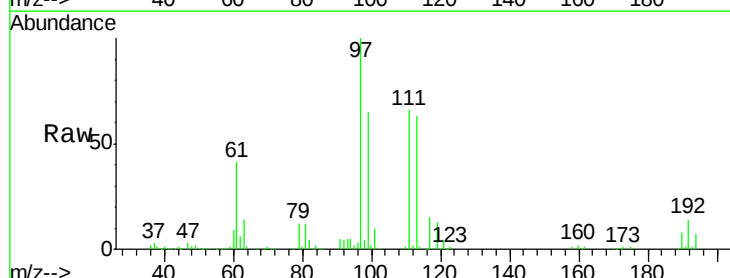
Manual Integrations
APPROVED

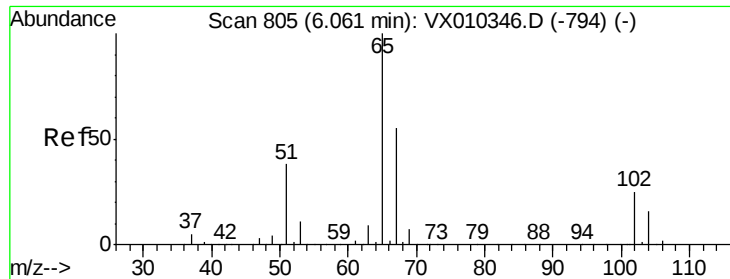
MMDadoda
7/11/2019 10:54:11 AM



#32
1,1,1-Trichloroethane
Concen: 55.992 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.8
61	40.8	32.1	48.1





#33

1,2-Dichloroethane-d4

Concen: 54.255 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 65 Resp: 96841

Ion Ratio Lower Upper

65 100

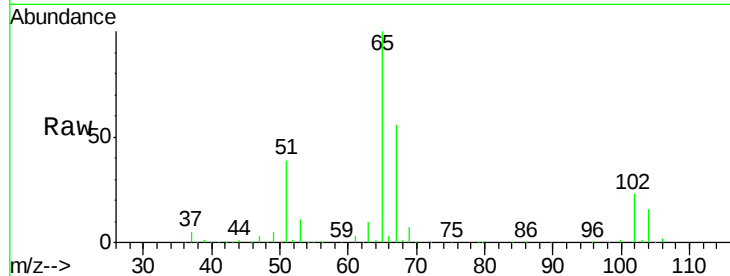
67 54.5 0.0 110.2

Manual Integrations

APPROVED

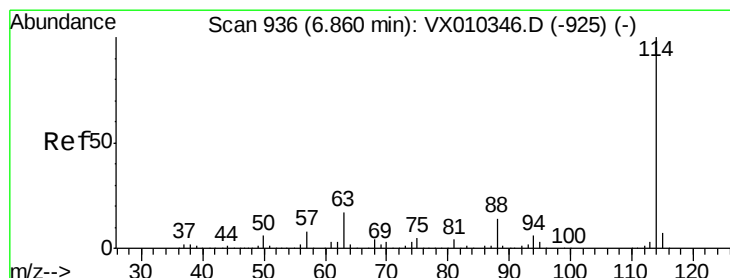
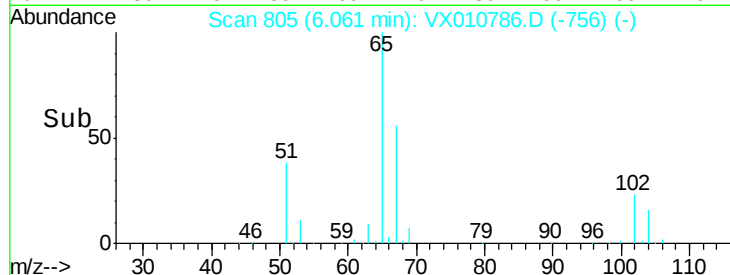
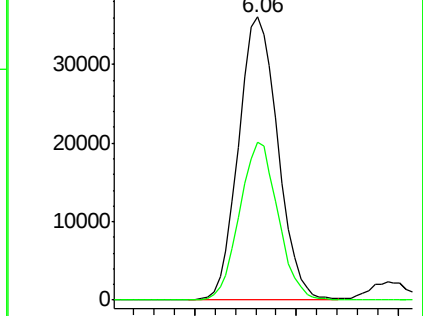
MMDadoda

7/11/2019 10:54:11 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

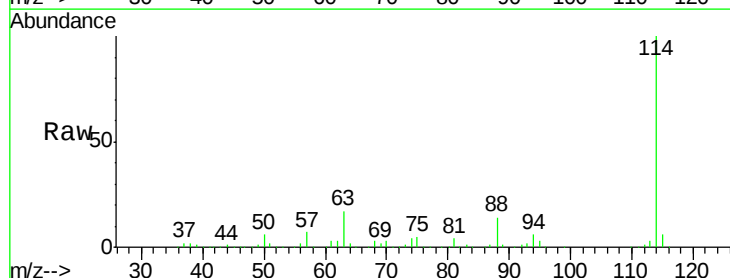
Tgt Ion: 114 Resp: 288007

Ion Ratio Lower Upper

114 100

63 17.3 0.0 33.8

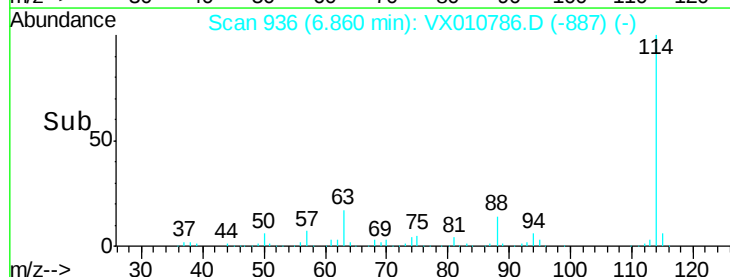
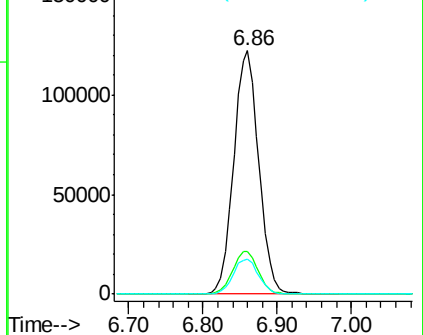
88 14.4 0.0 27.6

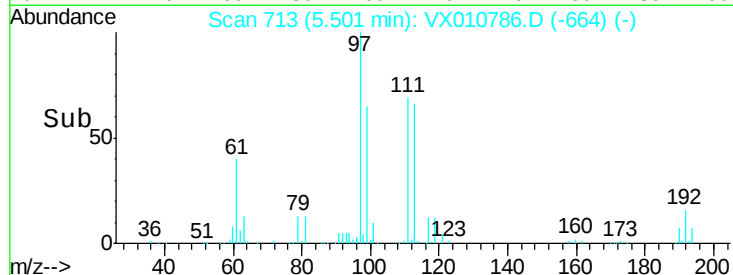
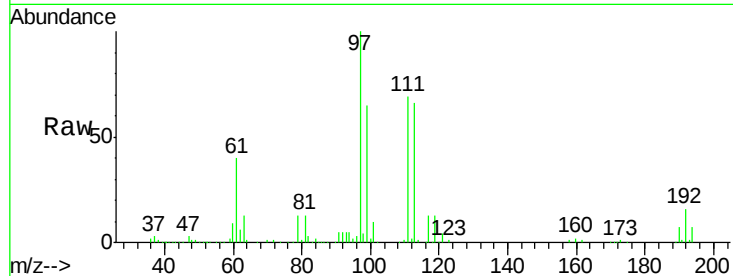
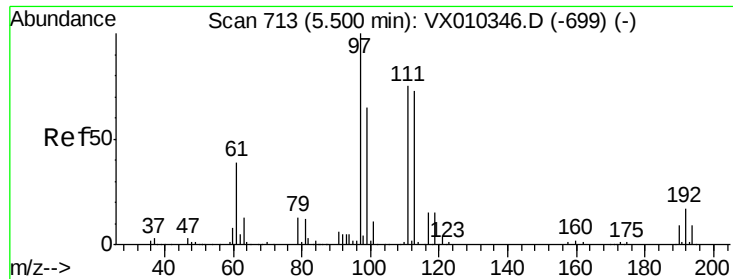


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





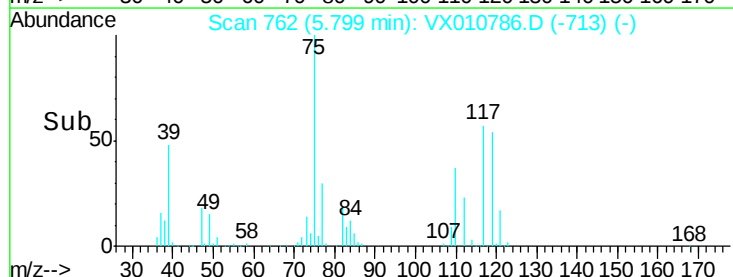
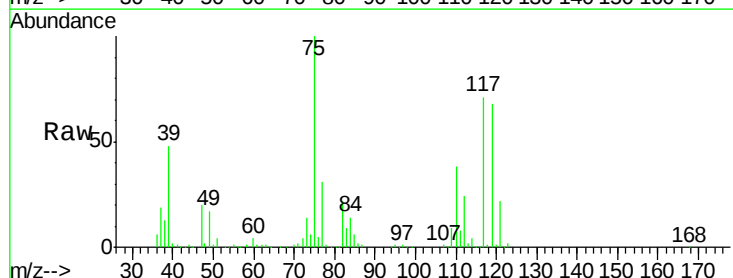
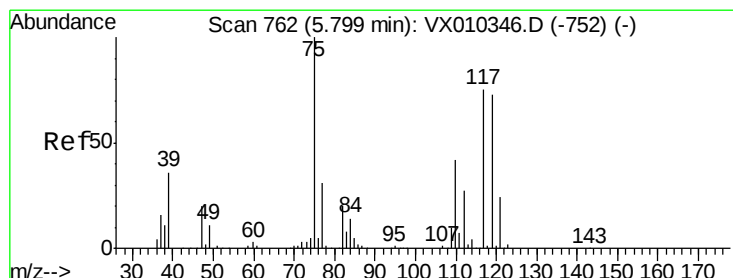
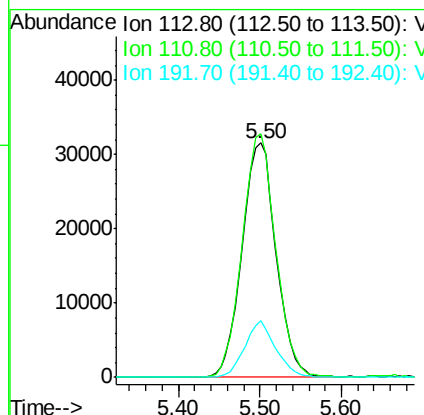
#35
Dibromofluoromethane
Concen: 52.128 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	91856		
111	102.2	81.2	121.8	
192	21.8	18.6	27.8	

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

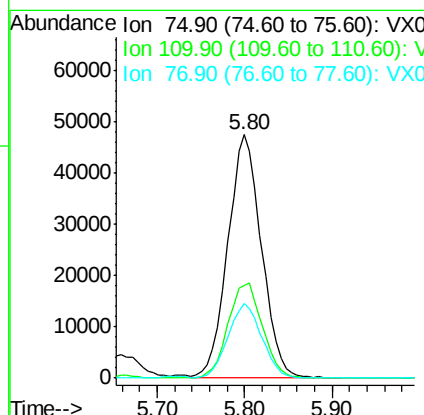
Manual Integrations
APPROVED

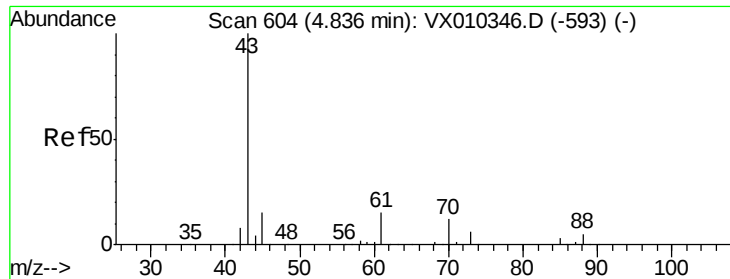
MMDadoda
7/11/2019 10:54:11 AM



#36
1,1-Dichloropropene
Concen: 55.044 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	125978		
110	40.1	20.8	62.2	
77	31.2	25.4	38.0	





#37

Ethyl Acetate

Concen: 53.481 ug/l

RT: 4.83 min Scan# 603

Delta R.T. -0.01 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

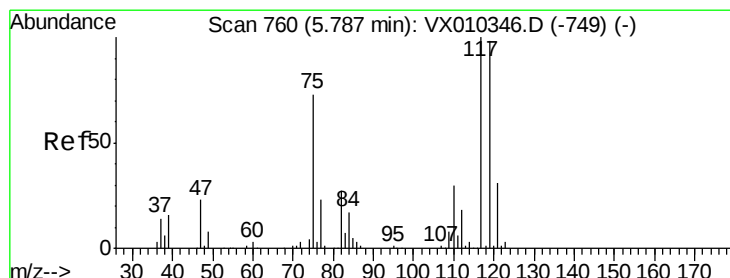
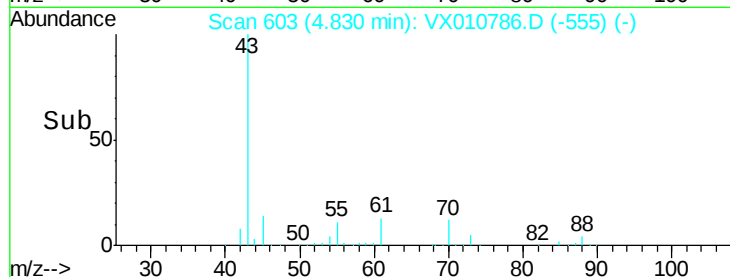
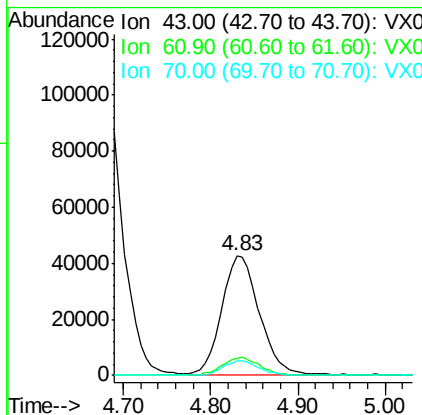
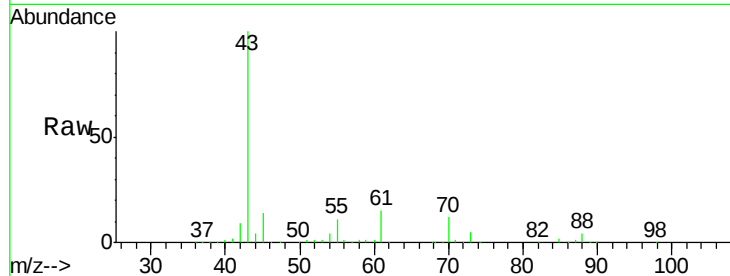
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	43	Resp:	125919
Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.4	18.6
70	11.9	9.8	14.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 53.526 ug/l

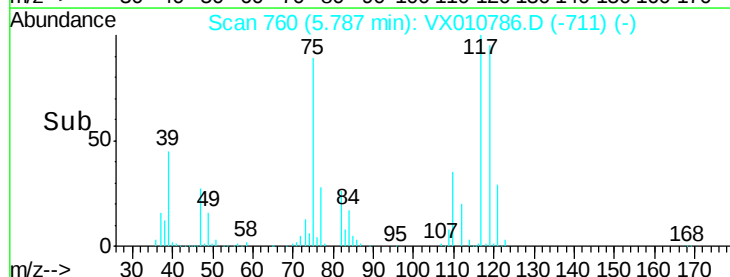
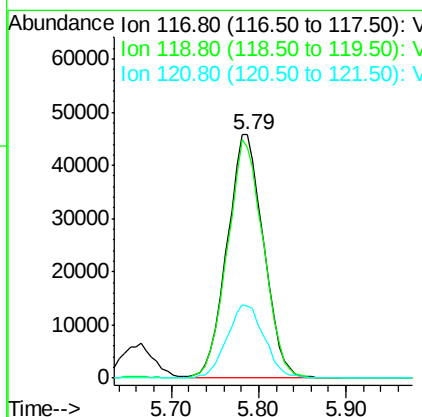
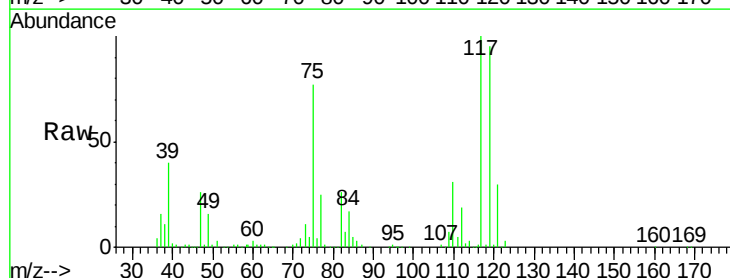
RT: 5.79 min Scan# 760

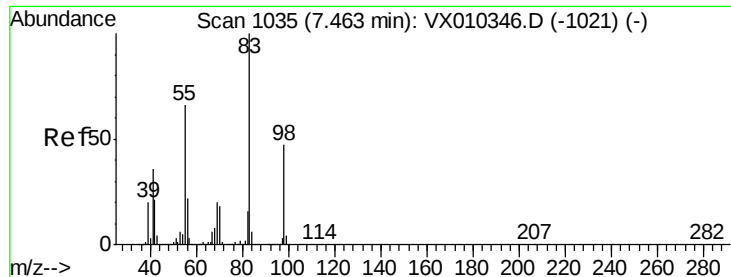
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	117	Resp:	132655
Ion	Ratio	Lower	Upper
117	100		
119	95.0	78.2	117.4
121	29.5	24.7	37.1





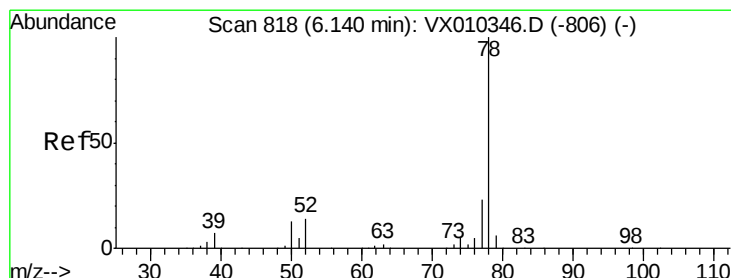
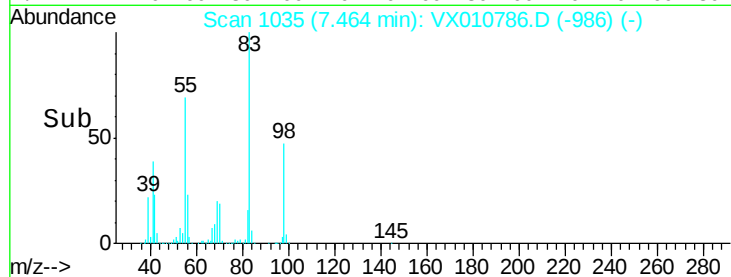
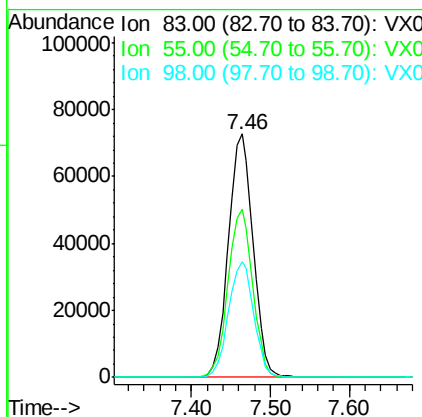
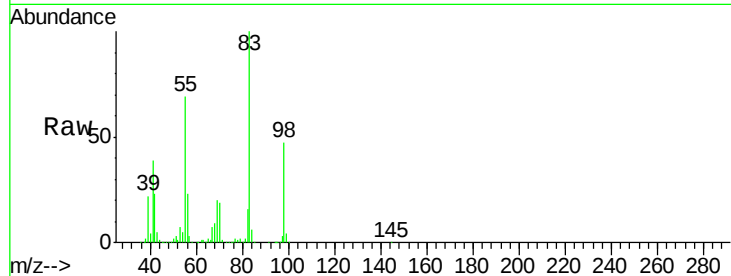
#39
Methylcyclohexane
Concen: 52.534 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Lower	Upper
83	100		
55	69.1	53.0	79.6
98	47.5	37.8	56.8

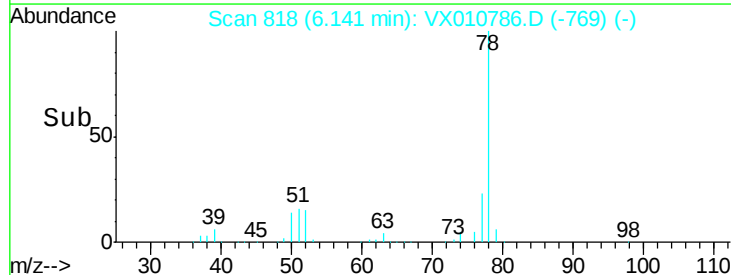
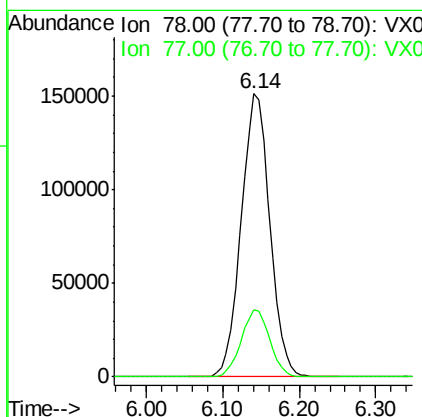
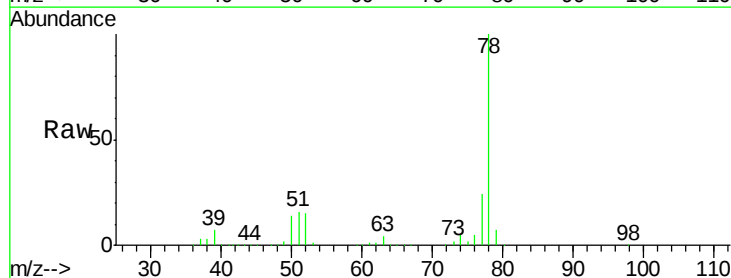
Manual Integrations
APPROVED

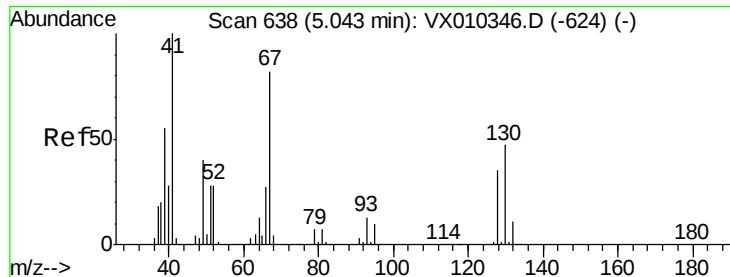
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#40
Benzene
Concen: 55.138 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





#41

Methacrylonitrile

Concen: 57.892 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 41 Resp: 74789
Ion Ratio Lower Upper

41 100

39 52.6 43.8 65.8

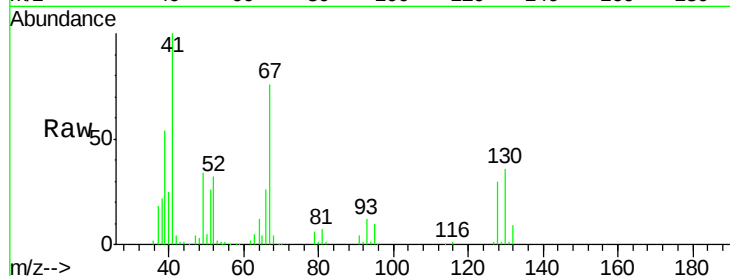
67 79.3 66.6 100.0

52 31.6 24.5 36.7

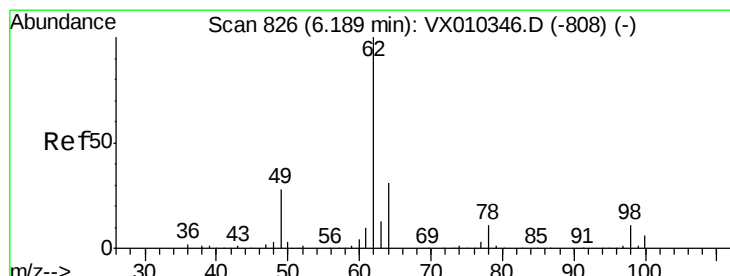
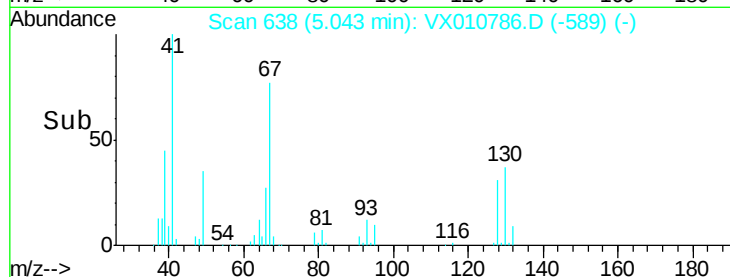
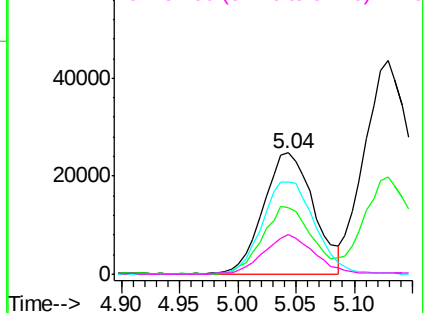
Manual Integrations
APPROVED

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 60.277 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

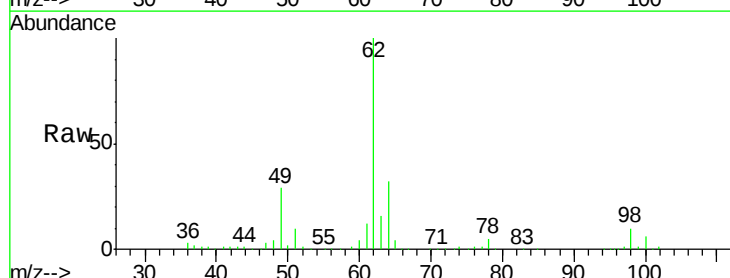
Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

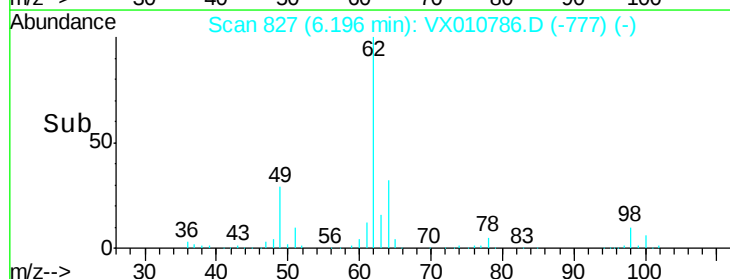
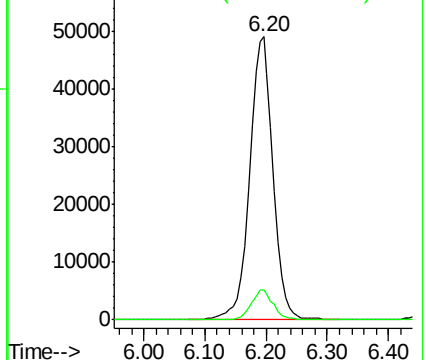
Tgt Ion: 62 Resp: 130828
Ion Ratio Lower Upper

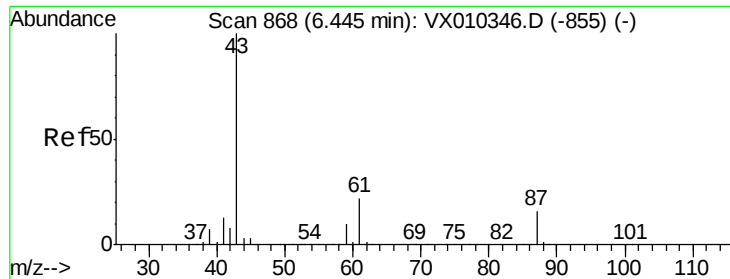
62 100

98 10.0 0.0 22.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 53.274 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

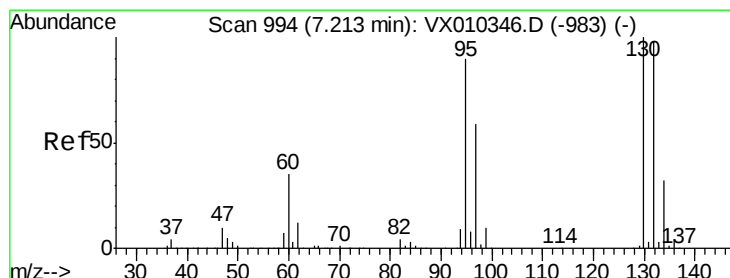
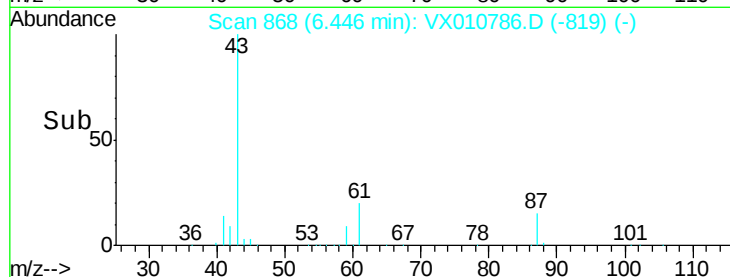
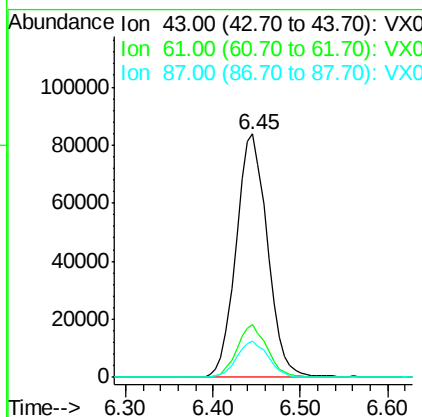
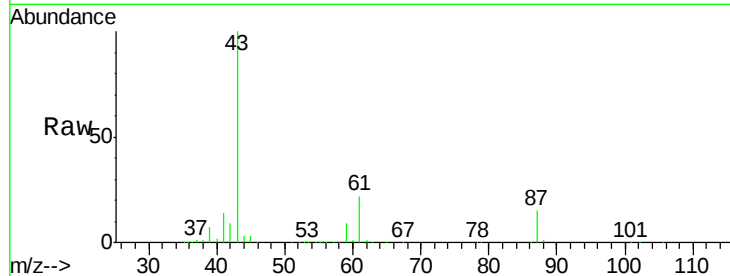
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	43	Resp:	207525
Ion Ratio		Lower	Upper
43	100		
61	21.1	17.8	26.6
87	15.2	13.0	19.4

Manual Integrations
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#44

Trichloroethene

Concen: 53.544 ug/l

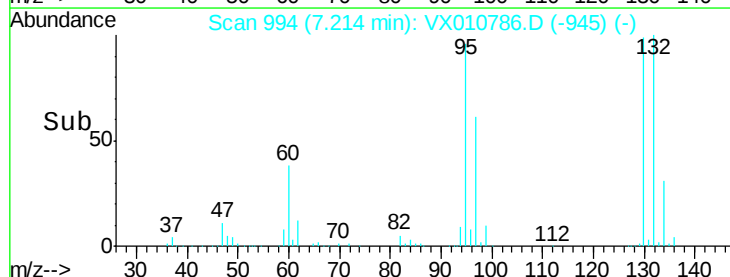
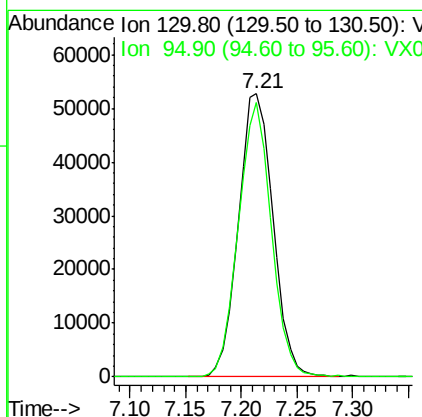
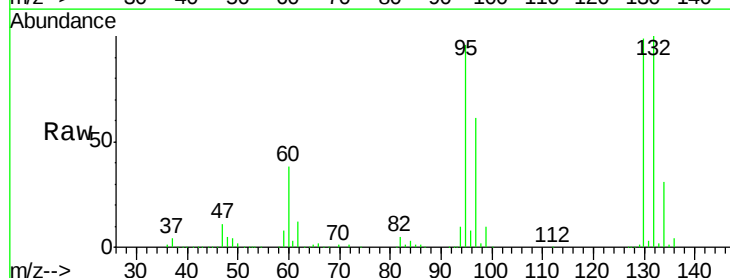
RT: 7.21 min Scan# 994

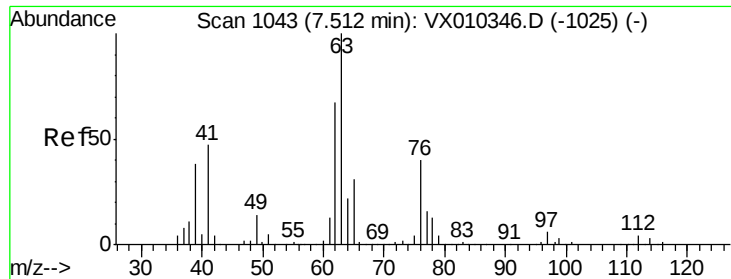
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	130	Resp:	114240
Ion Ratio		Lower	Upper
130	100		
95	96.9	0.0	180.8





#45

1,2-Dichloropropane

Concen: 55.145 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 63 Resp: 99293

Ion Ratio Lower Upper

63 100

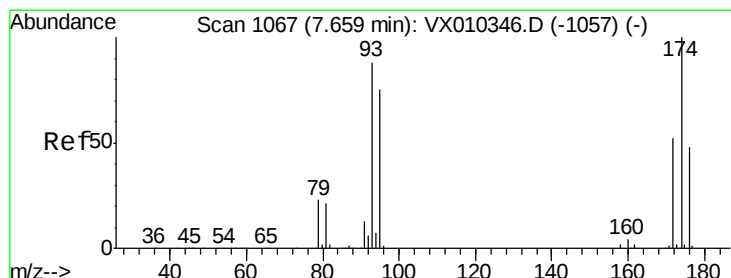
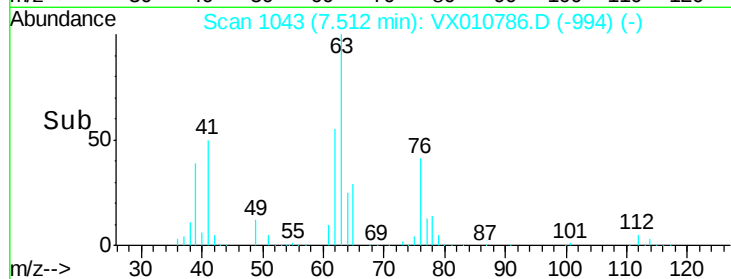
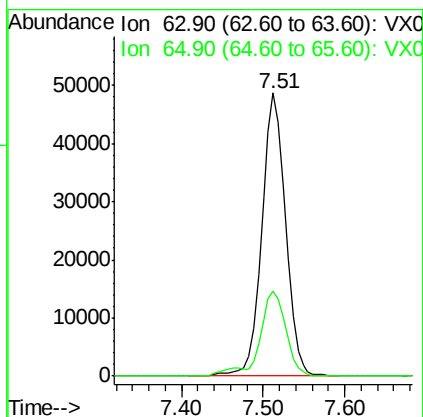
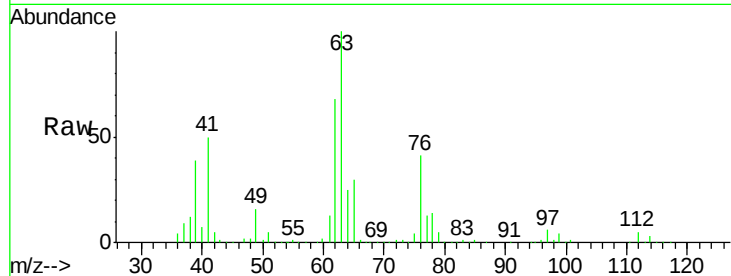
65 29.8 24.8 37.2

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#46

Dibromomethane

Concen: 55.974 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

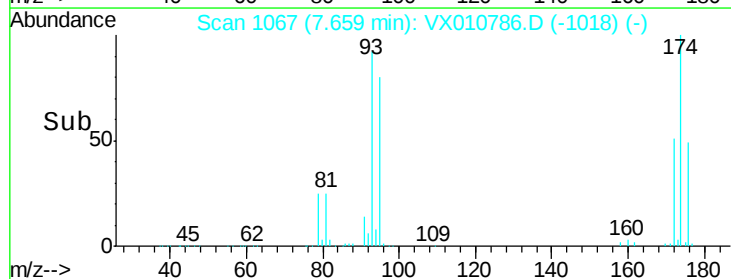
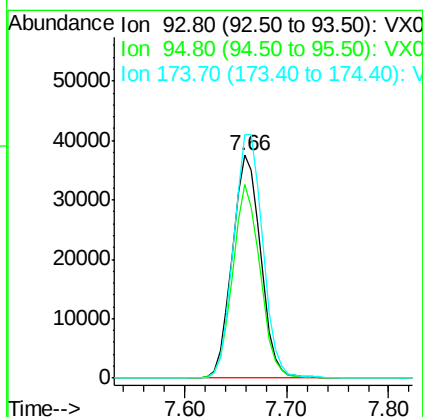
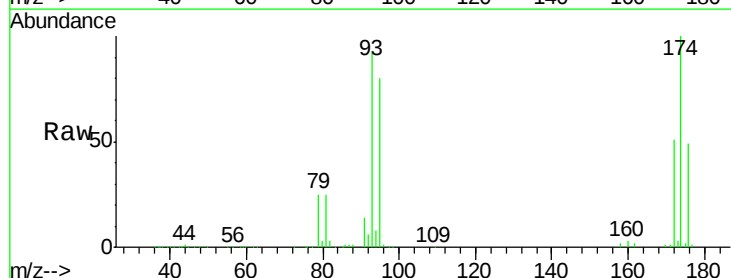
Tgt Ion: 93 Resp: 72312

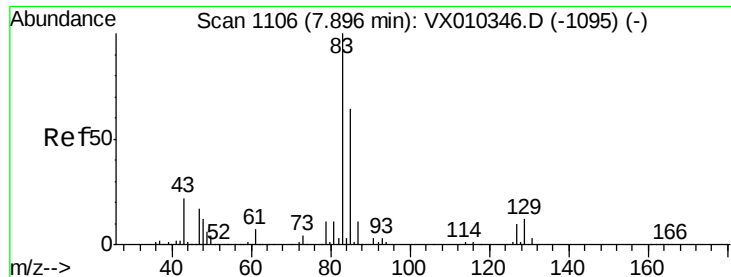
Ion Ratio Lower Upper

93 100

95 83.6 67.5 101.3

174 111.7 95.8 143.6





#47

Bromodichloromethane

Concen: 54.707 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

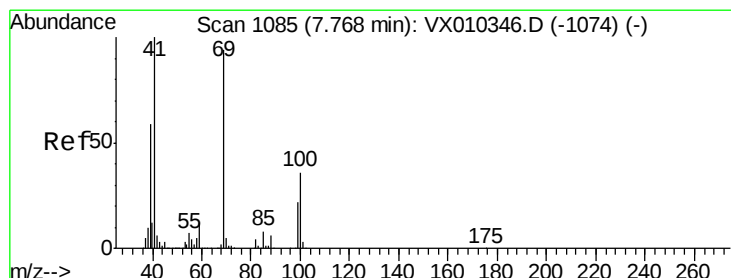
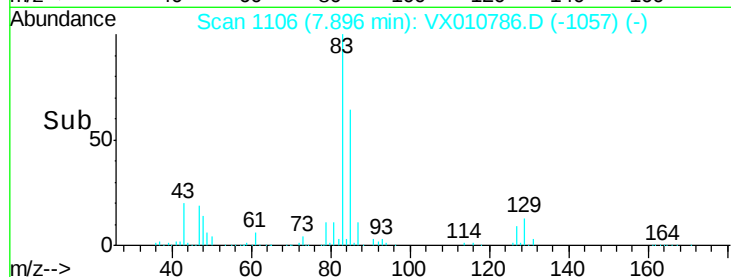
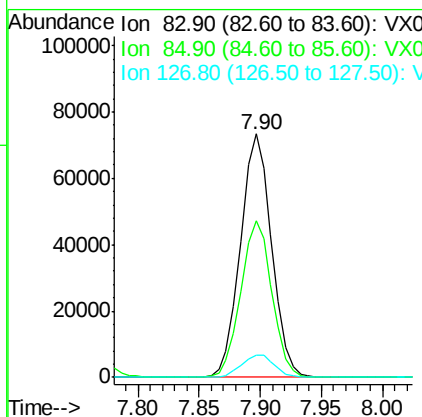
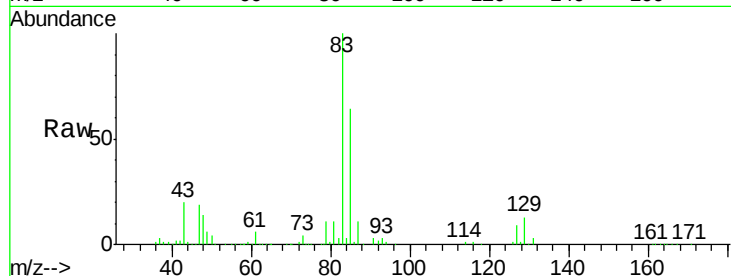
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	83	Resp:	129520
Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3
127	9.1	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 57.792 ug/l

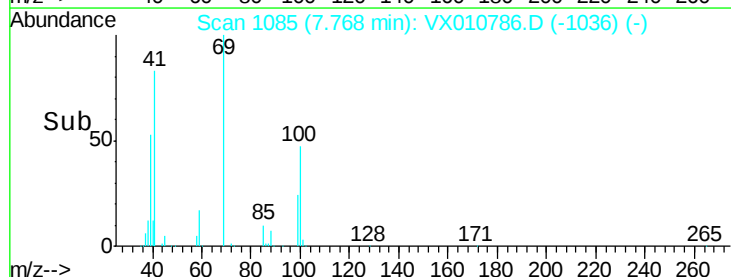
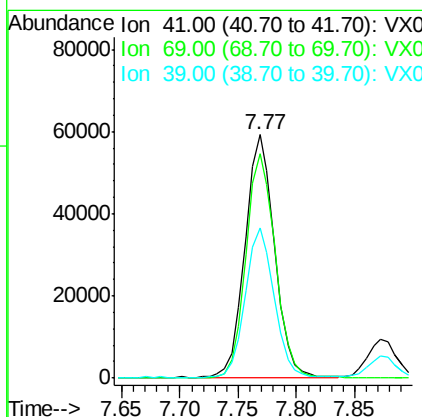
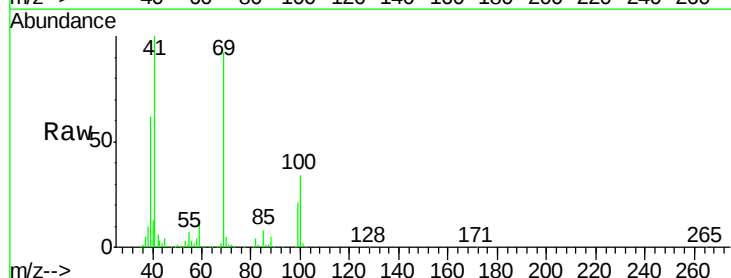
RT: 7.77 min Scan# 1085

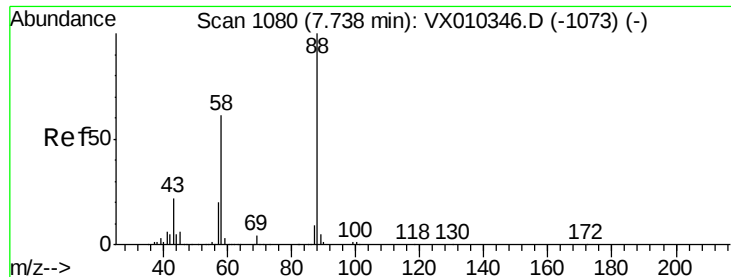
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	41	Resp:	104642
Ion	Ratio	Lower	Upper
41	100		
69	92.3	76.1	114.1
39	60.9	47.6	71.4





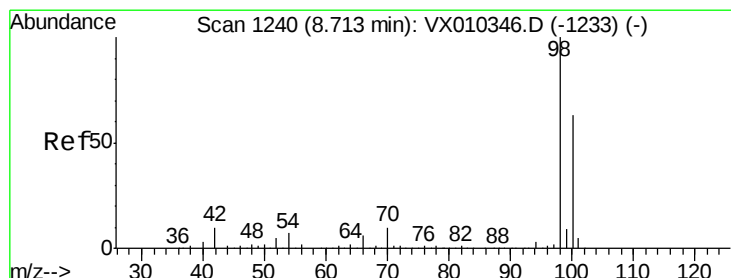
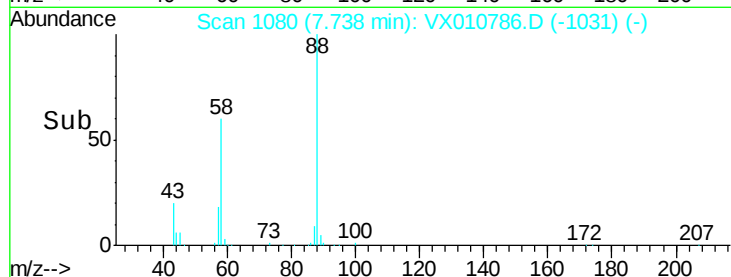
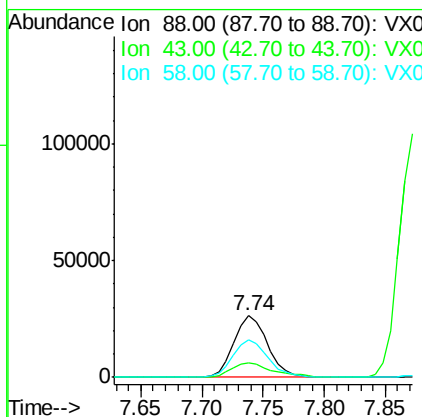
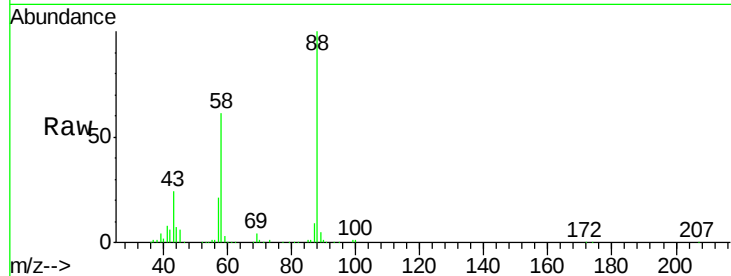
#49
1,4-Dioxane
Concen: 968.971 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	50542		
43	28.5	20.2	30.2	
58	63.9	49.5	74.3	

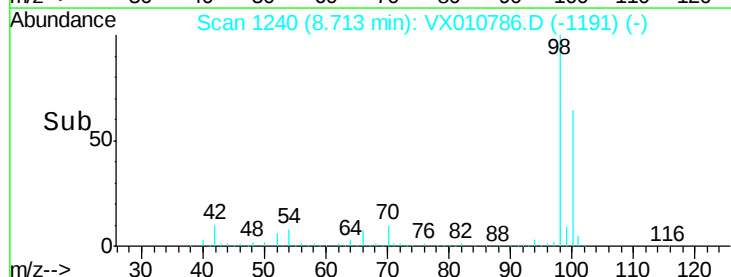
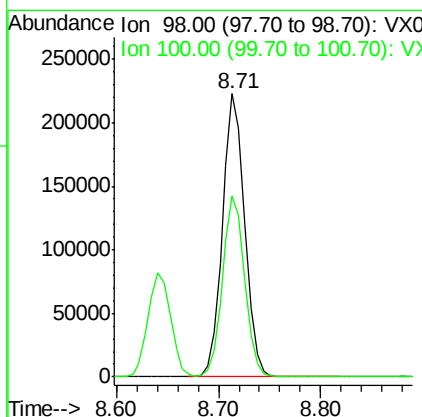
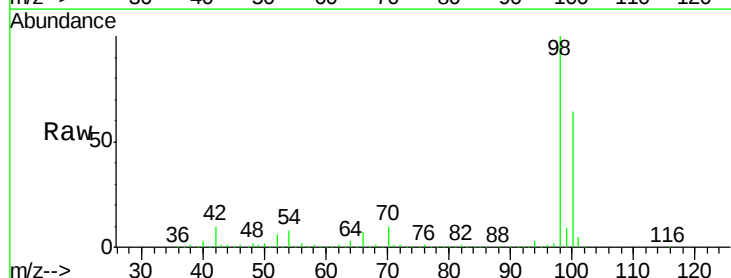
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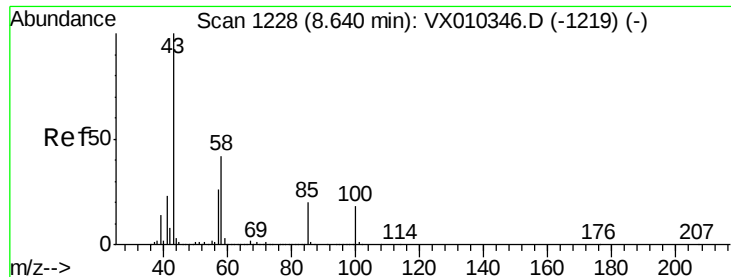
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#50
Toluene-d8
Concen: 49.794 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	335693		
100	63.9	51.6	77.4	





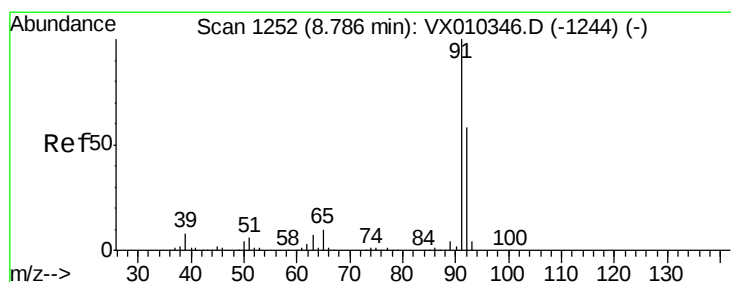
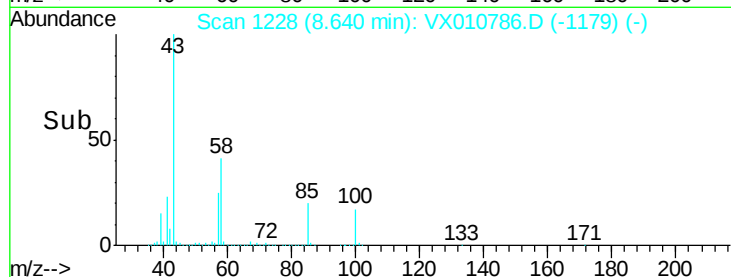
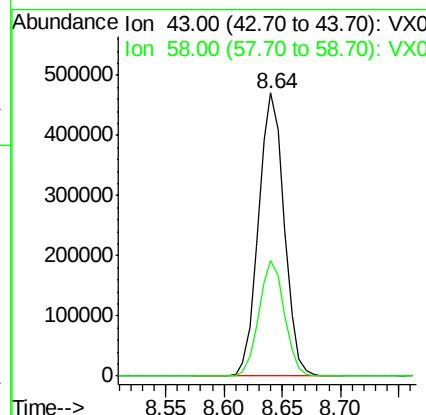
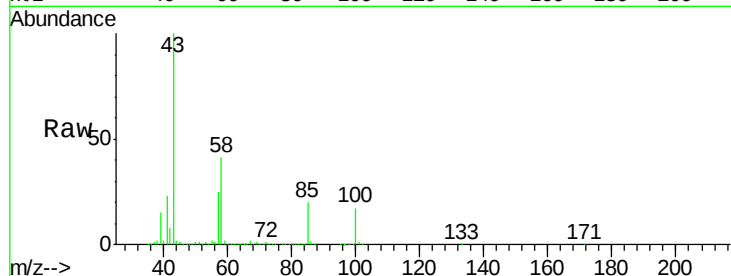
#51
4-Methyl-2-Pentanone
Concen: 291.956 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion: 43 Resp: 727373
Ion Ratio Lower Upper
43 100
58 40.5 33.5 50.3

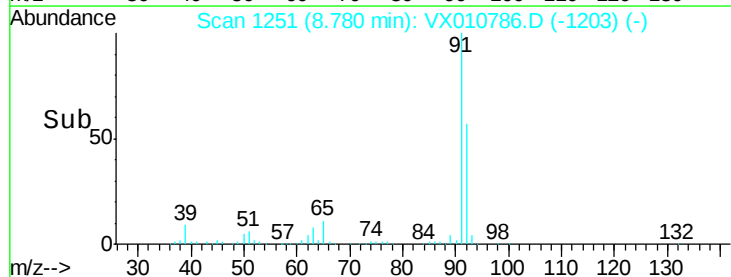
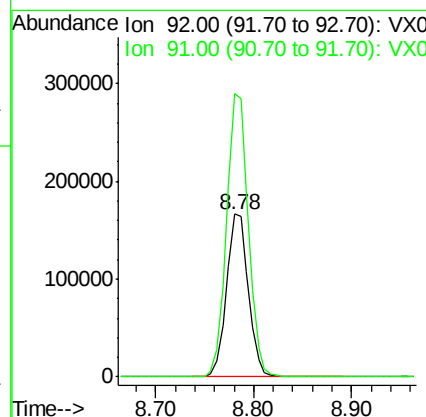
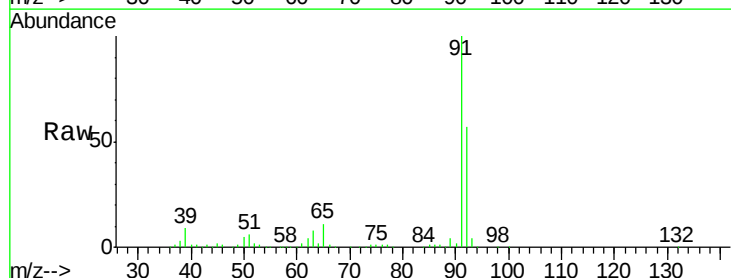
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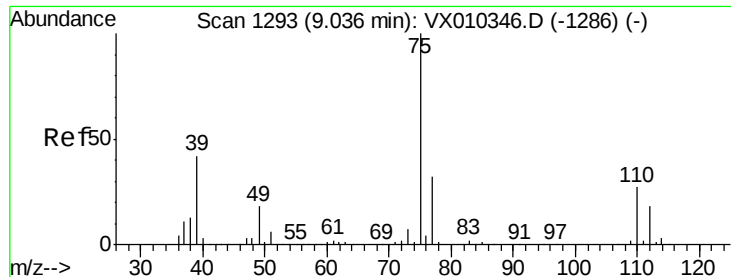
MMDadoda
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#52
Toluene
Concen: 54.594 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion: 92 Resp: 256350
Ion Ratio Lower Upper
92 100
91 174.3 139.8 209.6





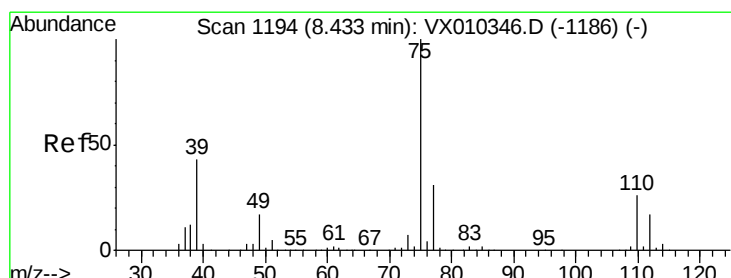
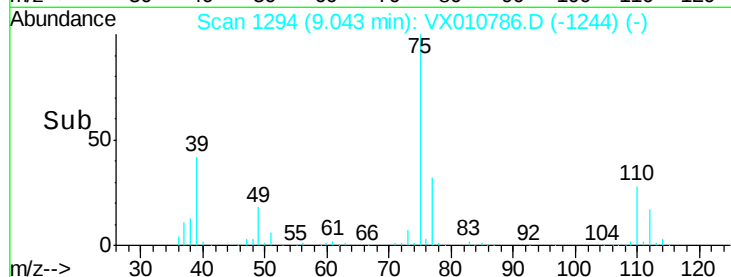
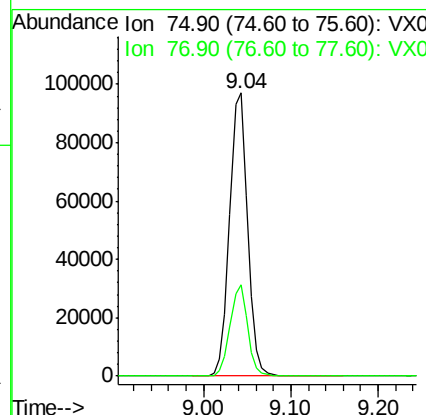
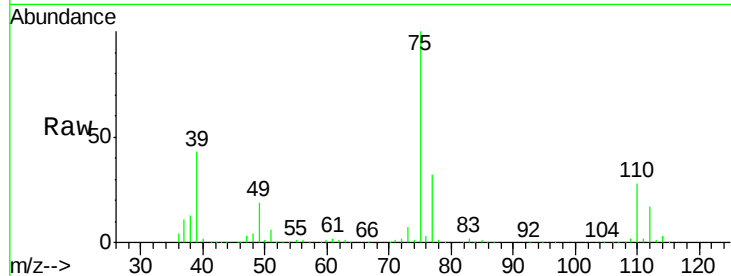
#53
t-1,3-Dichloropropene
Concen: 52.194 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion: 75 Resp: 138540
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

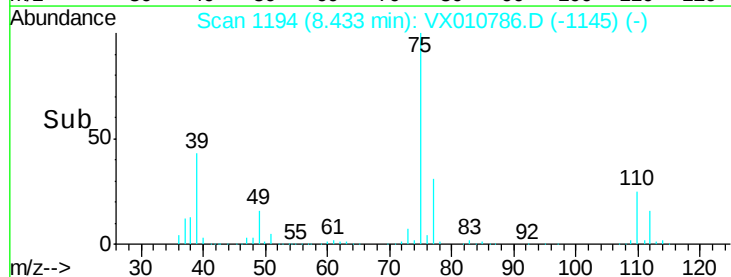
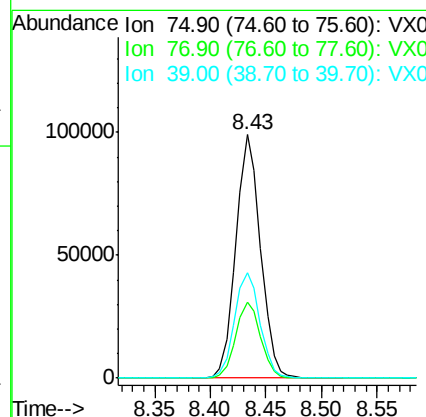
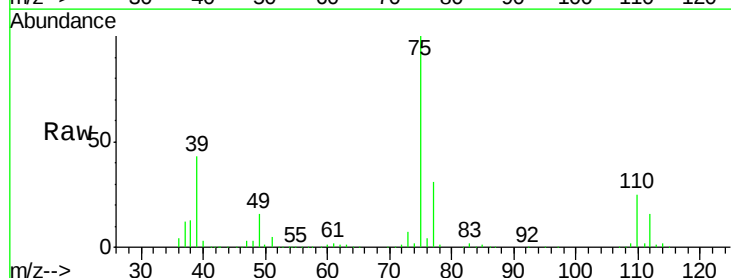
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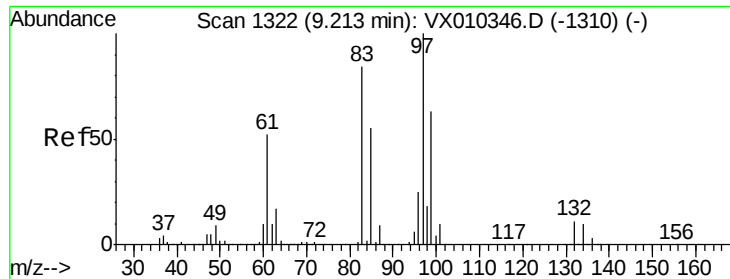
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 52.636 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion: 75 Resp: 151829
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 43.3 34.5 51.7





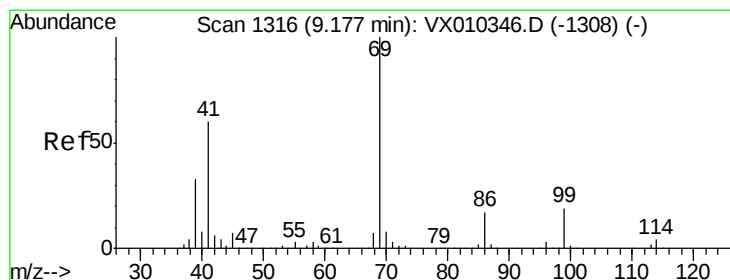
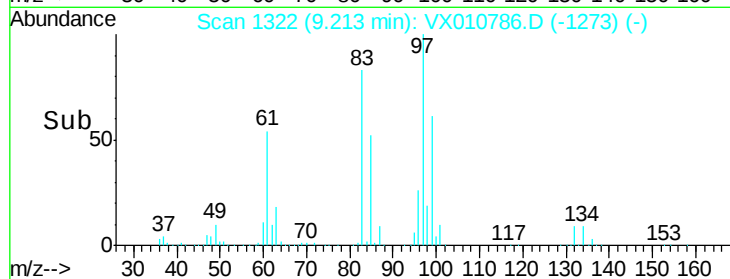
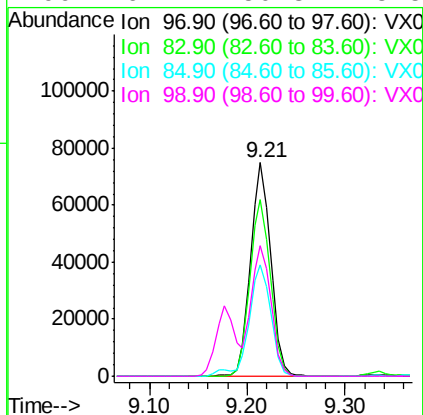
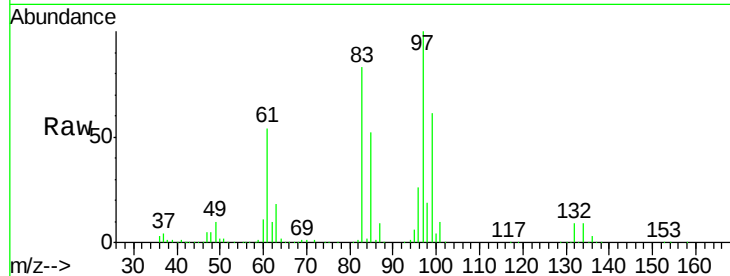
#55
 1,1,2-Trichloroethane
 Concen: 55.627 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Lower	Upper
97	100		
83	83.0	67.4	101.0
85	52.4	43.8	65.8
99	61.4	50.3	75.5

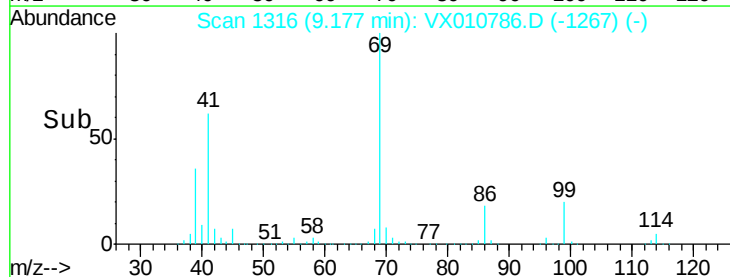
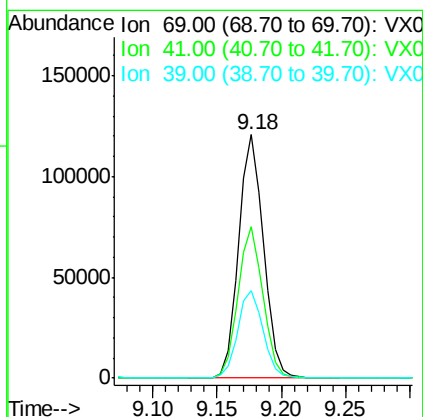
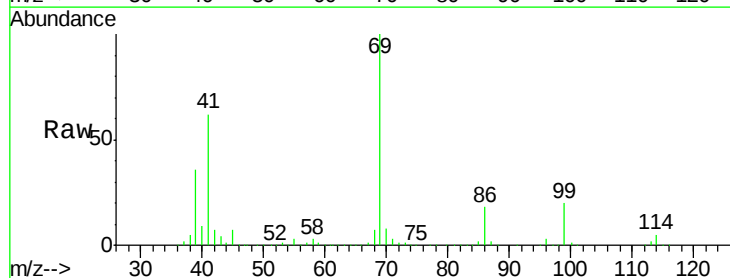
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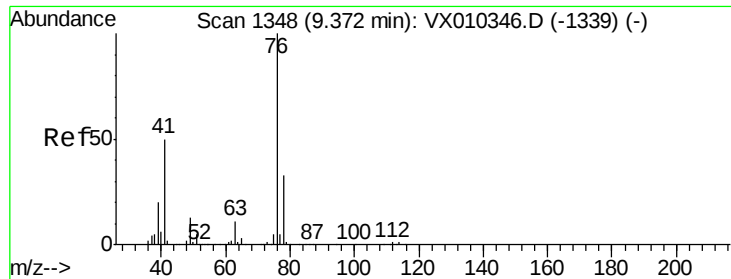
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 7/11/2019 10:54:11 AM



#56
 Ethyl methacrylate
 Concen: 55.137 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.1	47.1	70.7
39	36.6	26.6	40.0





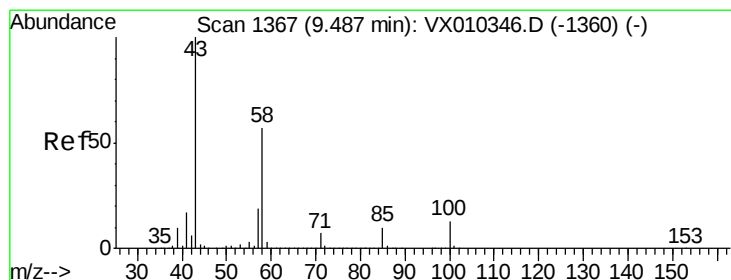
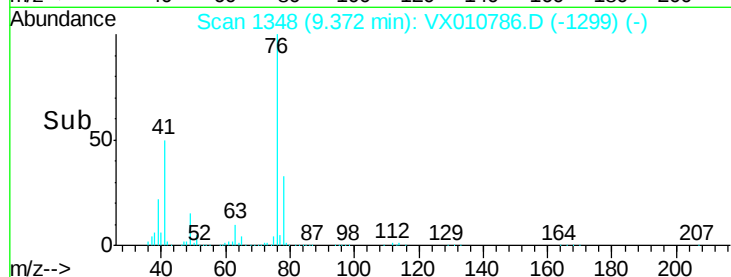
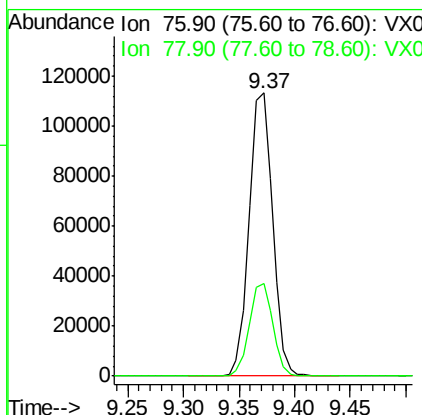
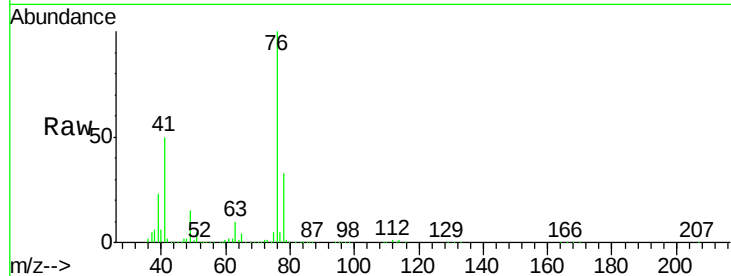
#57
 1,3-Dichloropropane
 Concen: 55.804 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MSD

Tgt Ion: 76 Resp: 167753
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1

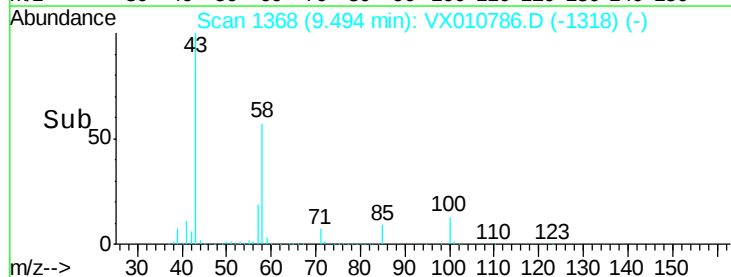
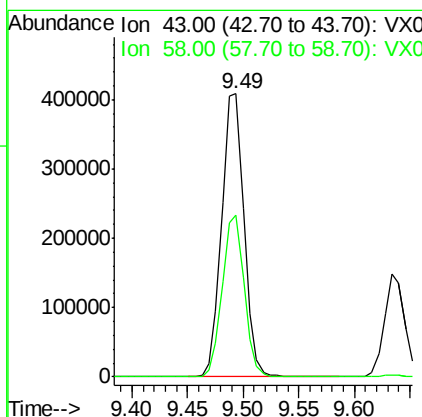
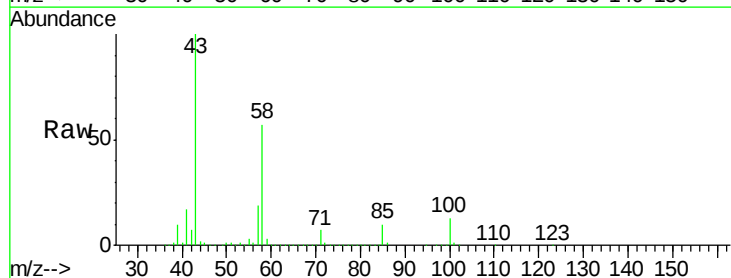
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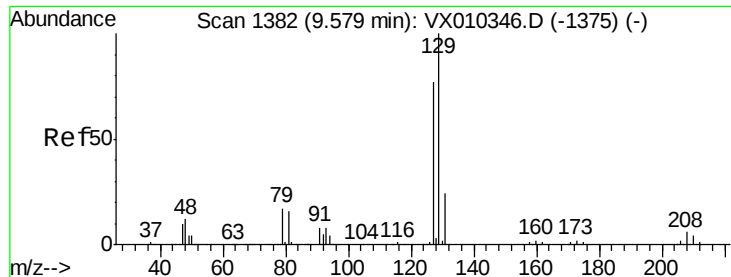
MMDadoda
 7/11/2019 10:54:11 AM



#59
 2-Hexanone
 Concen: 290.955 ug/l
 RT: 9.49 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Tgt Ion: 43 Resp: 570507
 Ion Ratio Lower Upper
 43 100
 58 56.3 29.0 87.1





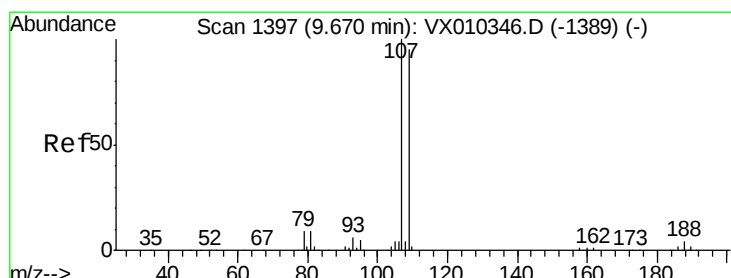
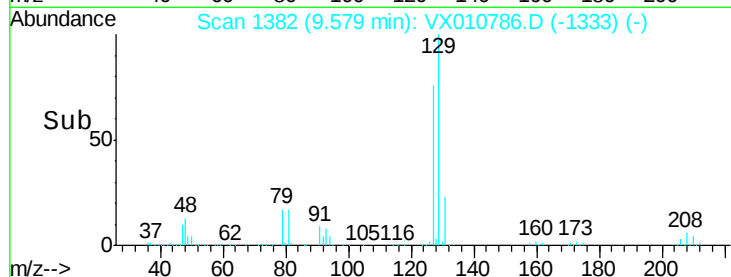
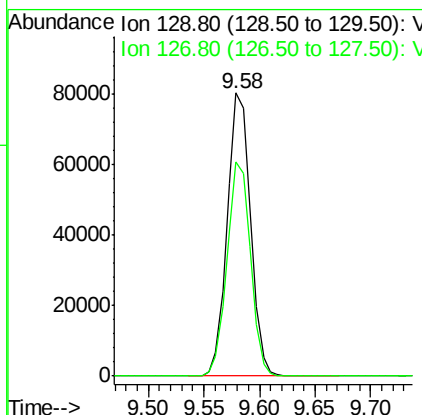
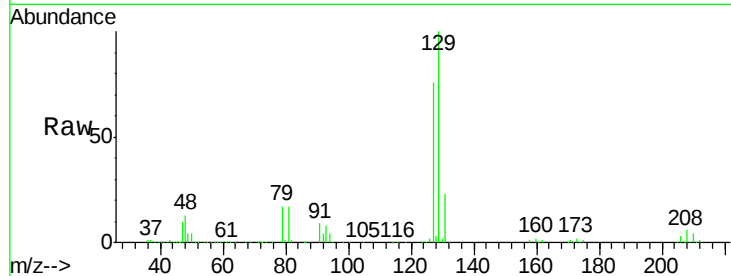
#60
Dibromochloromethane
Concen: 53.673 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion:129 Resp: 116378
Ion Ratio Lower Upper
129 100
127 76.1 38.4 115.1

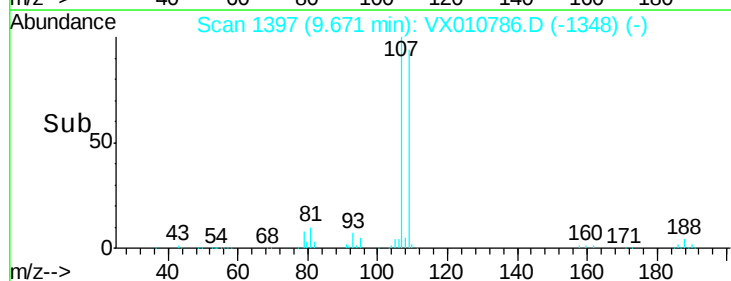
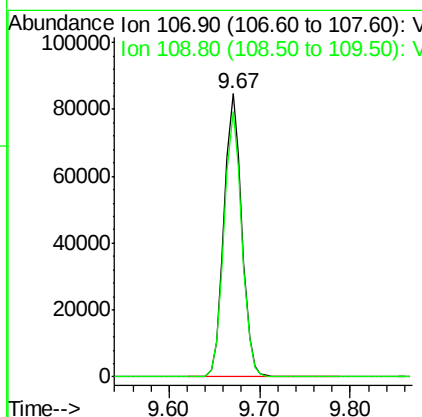
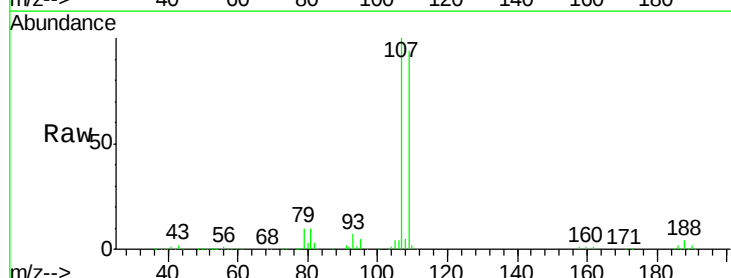
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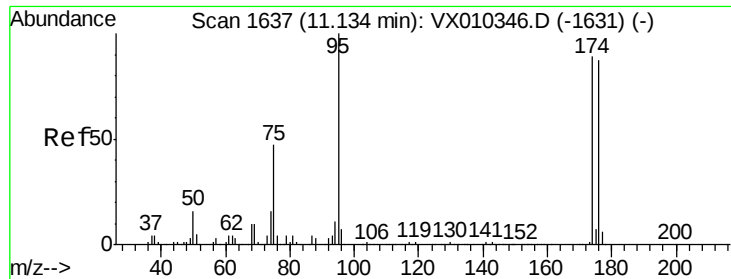
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#61
1,2-Dibromoethane
Concen: 55.362 ug/l
RT: 9.67 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion:107 Resp: 115721
Ion Ratio Lower Upper
107 100
109 93.9 75.8 113.6





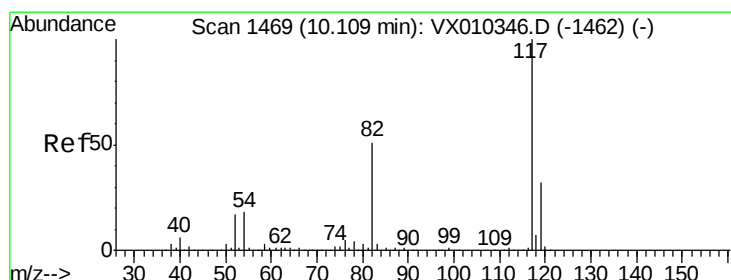
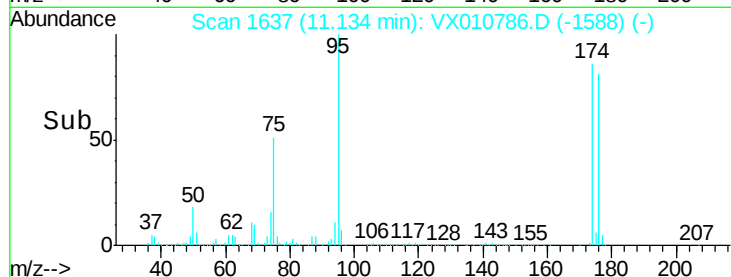
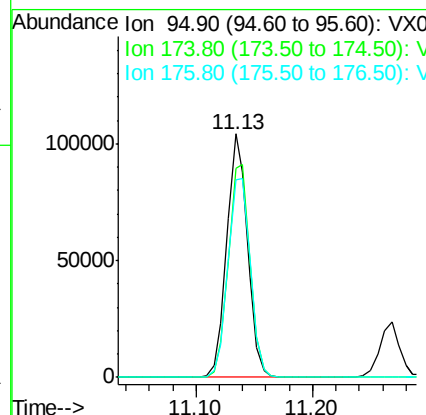
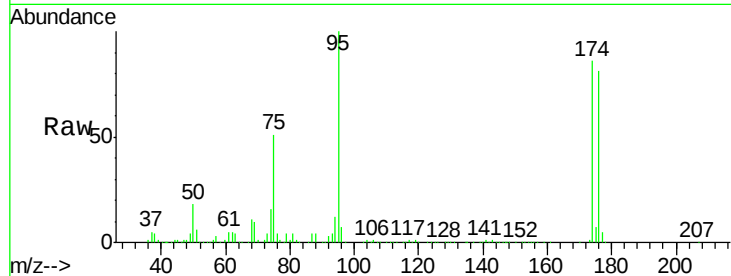
#62
4-Bromofluorobenzene
Concen: 52.570 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	127951		
174	91.4	0.0	187.6	
176	88.5	0.0	184.0	

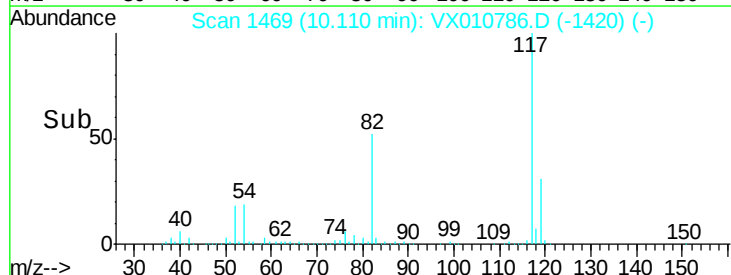
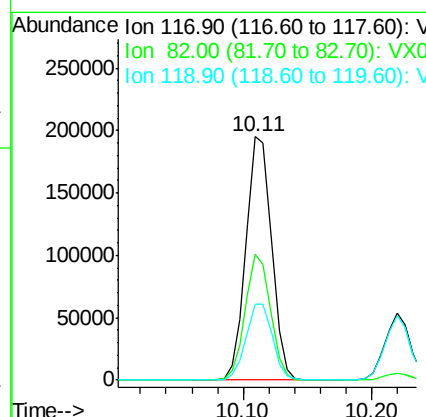
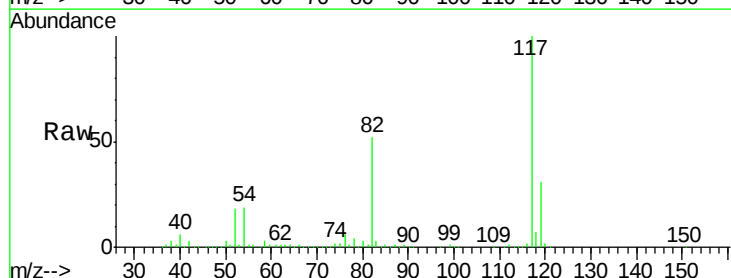
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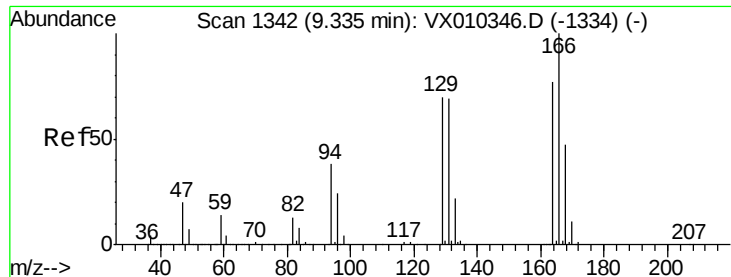
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7/11/2019 10:54:11 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	268079		
82	51.9	41.2	61.8	
119	31.1	25.5	38.3	





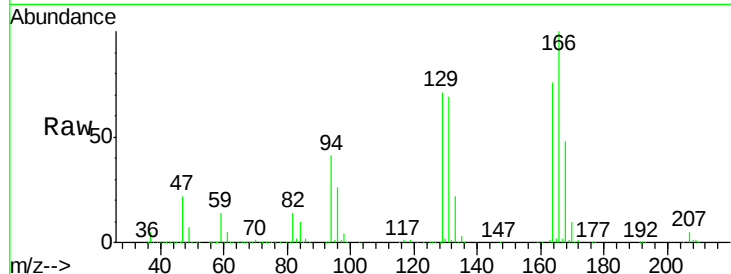
#64
Tetrachloroethene
Concen: 49.378 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

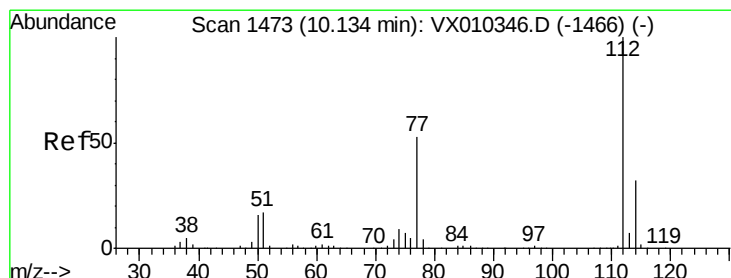
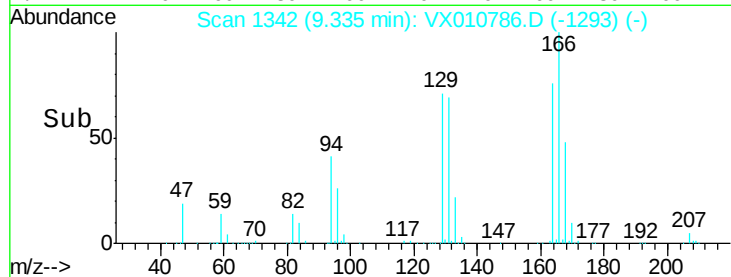
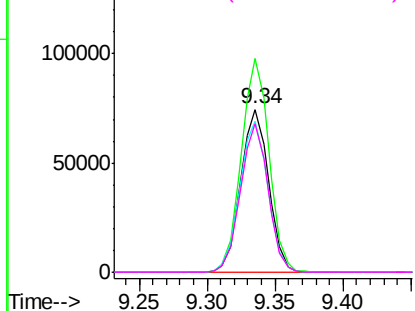
Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	131.0	107067	103.6	155.4
129	92.8		73.0	109.4
131	91.0		71.0	106.4

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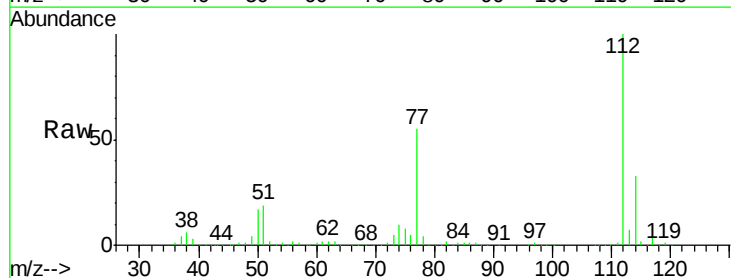


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

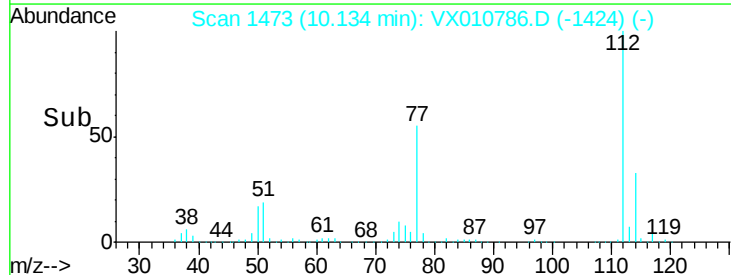
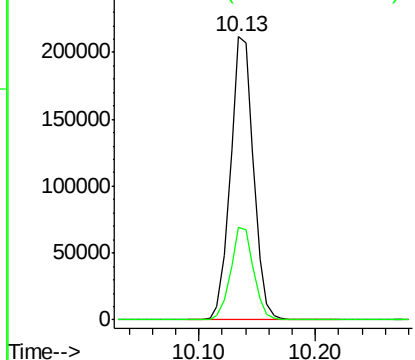


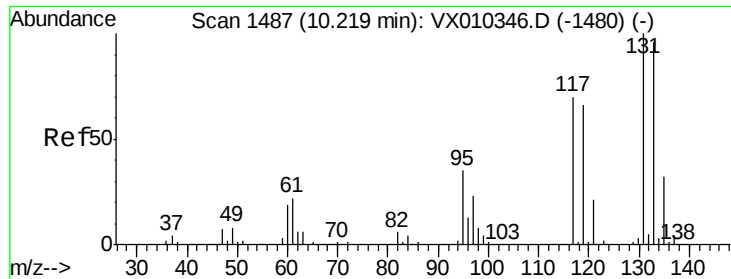
#65
Chlorobenzene
Concen: 53.315 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	290170		
114	32.7		25.4	38.2



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 53.013 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

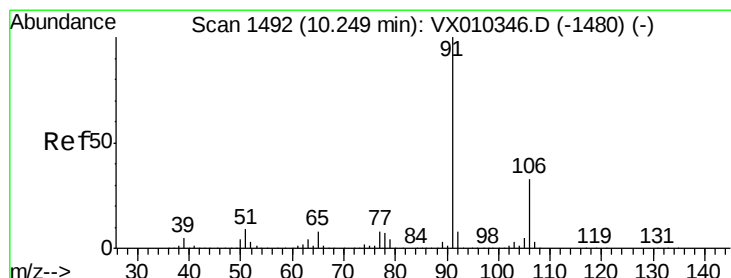
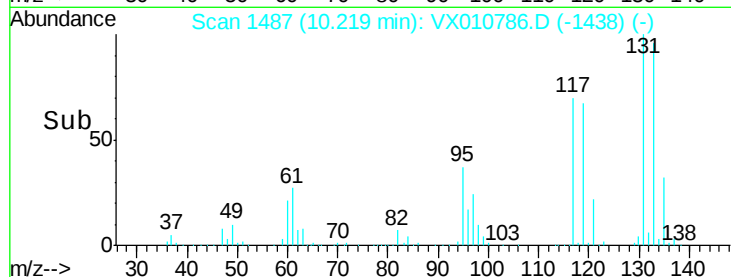
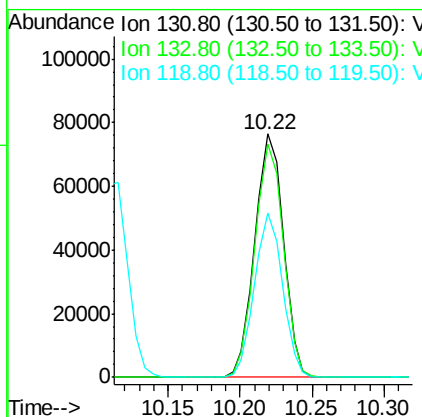
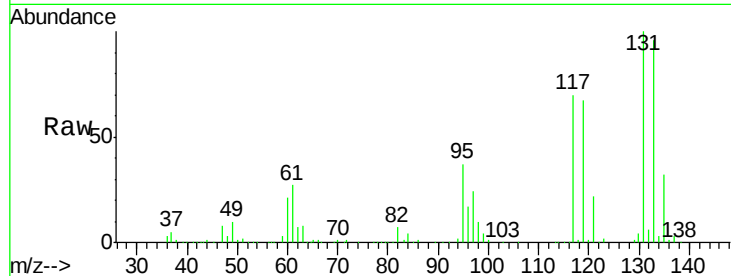
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	47.7	143.1
119	66.2	32.6	97.7

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#67

Ethyl Benzene

Concen: 54.684 ug/l

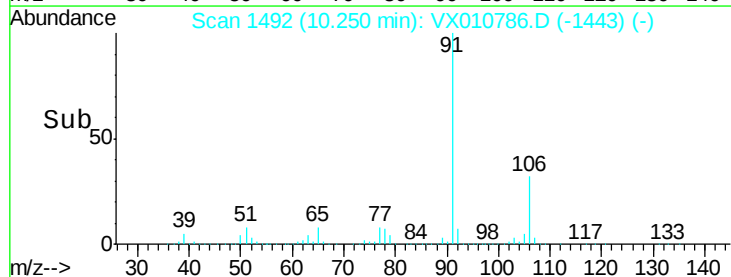
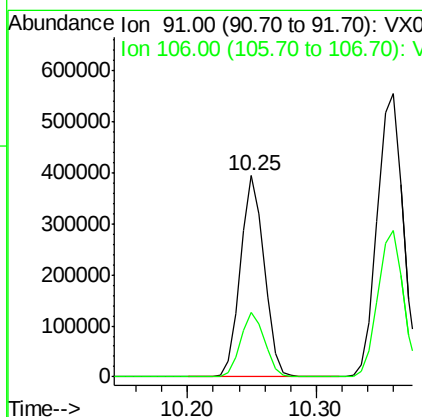
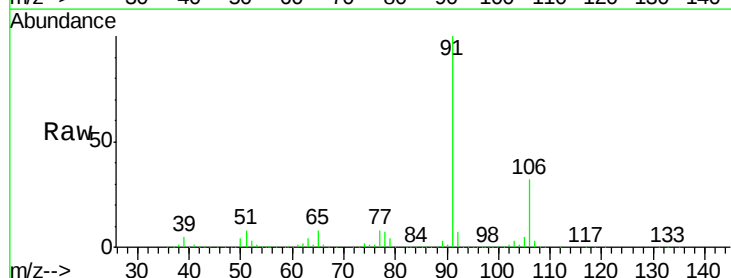
RT: 10.25 min Scan# 1492

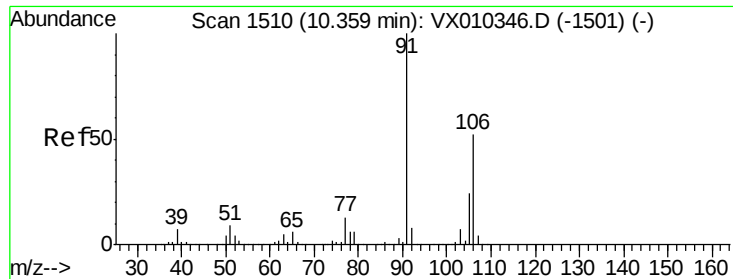
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.3	26.2	39.2





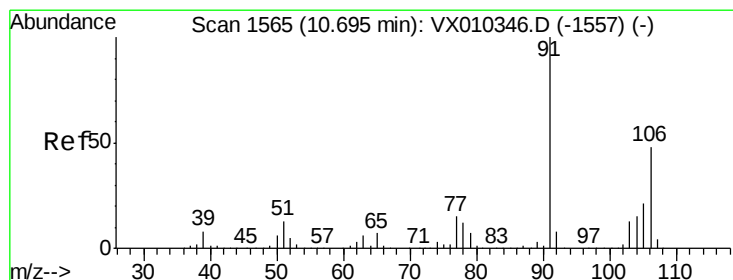
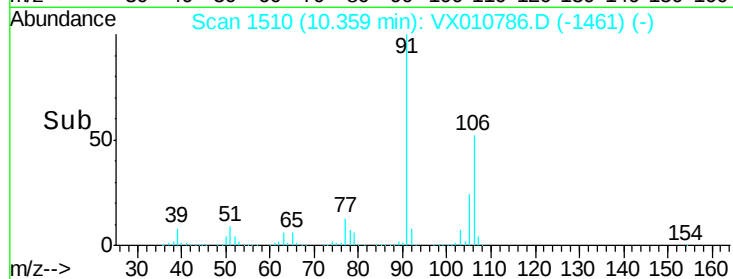
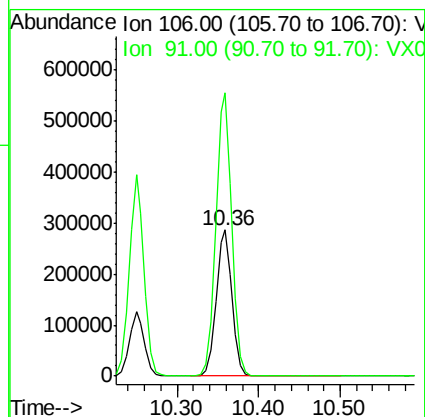
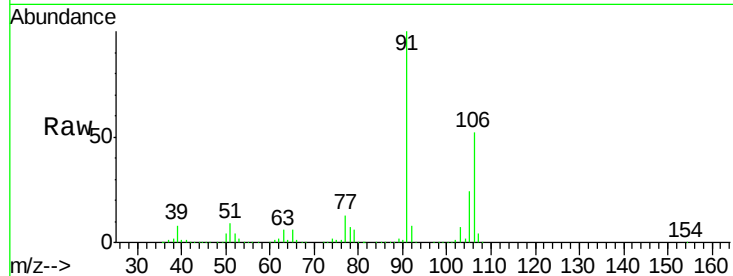
#68
m/p-Xylenes
Concen: 109.846 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion:106 Resp: 391071
Ion Ratio Lower Upper
106 100
91 195.5 155.3 232.9

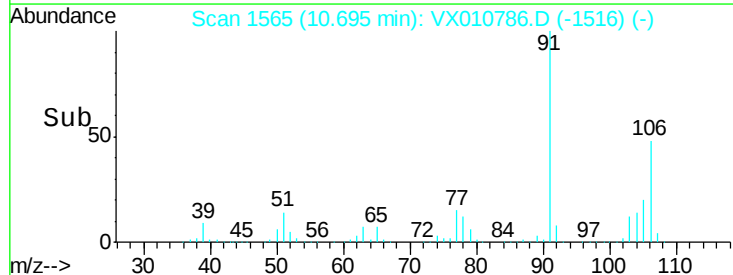
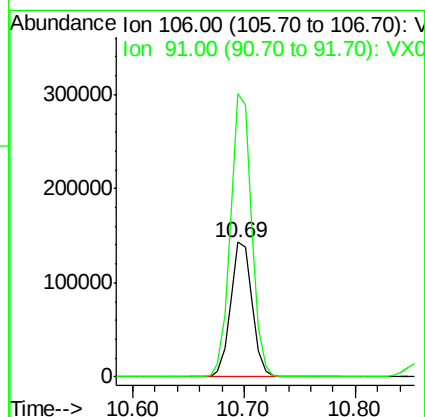
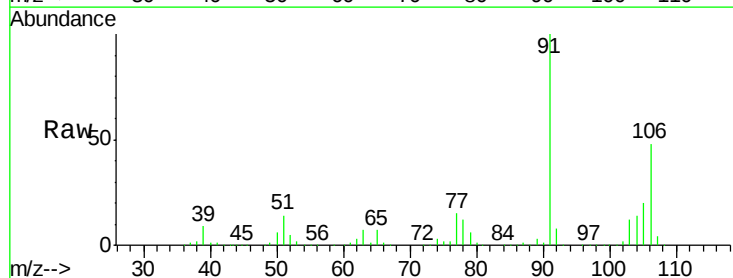
Manual Integrations
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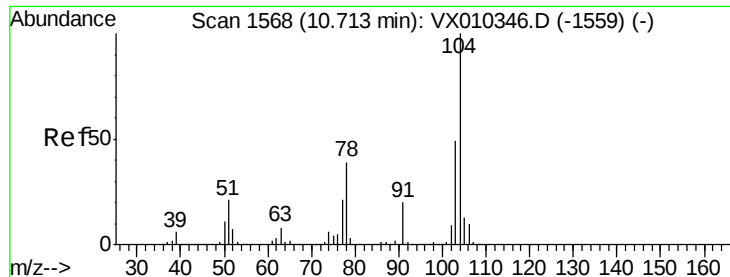
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#69
o-Xylene
Concen: 54.206 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion:106 Resp: 189783
Ion Ratio Lower Upper
106 100
91 207.3 102.7 308.1





#70

Styrene

Concen: 55.763 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

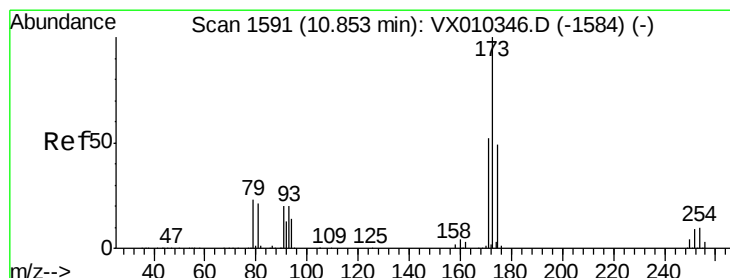
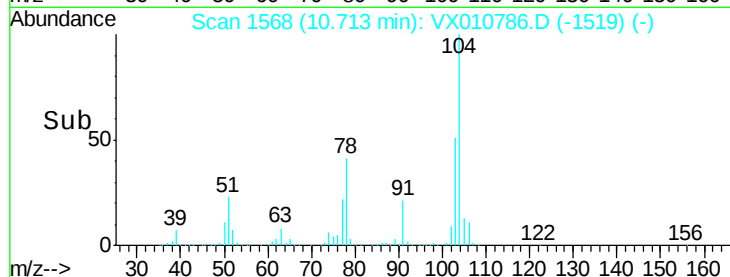
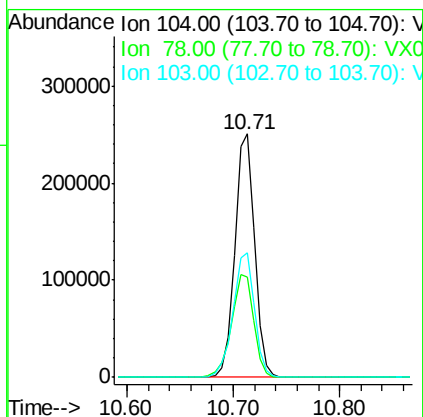
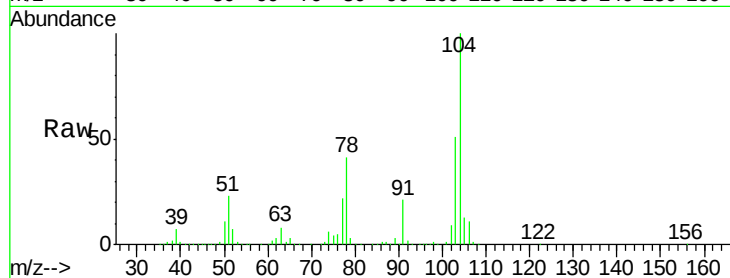
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	104	Resp:	327413
Ion Ratio	Lower	Upper	
104	100		
78	47.4	36.2	54.2
103	55.8	44.2	66.4

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#71

Bromoform

Concen: 50.471 ug/l

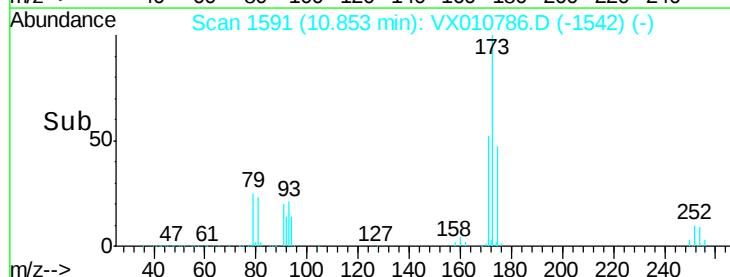
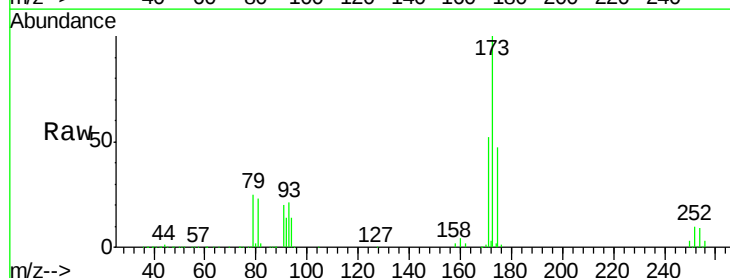
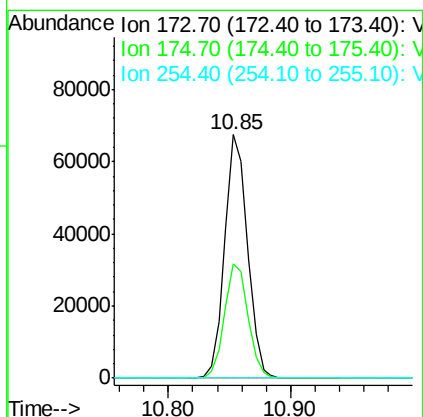
RT: 10.85 min Scan# 1591

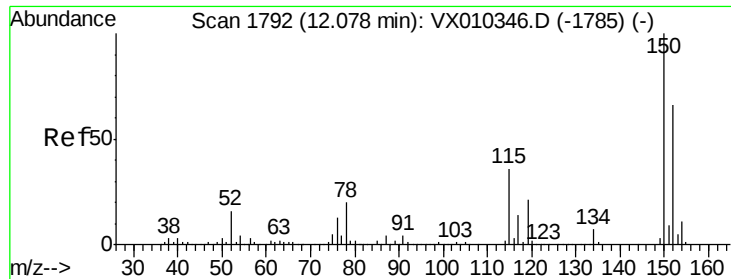
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	173	Resp:	87011
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.1	72.3
254	0.2	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: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

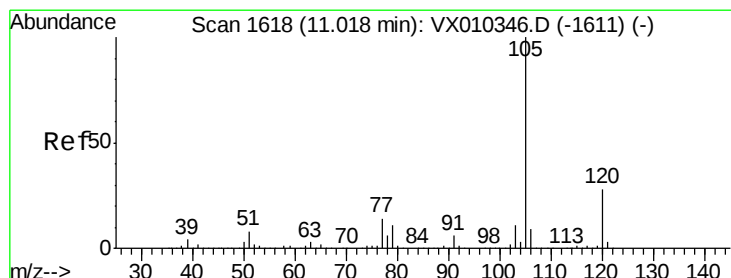
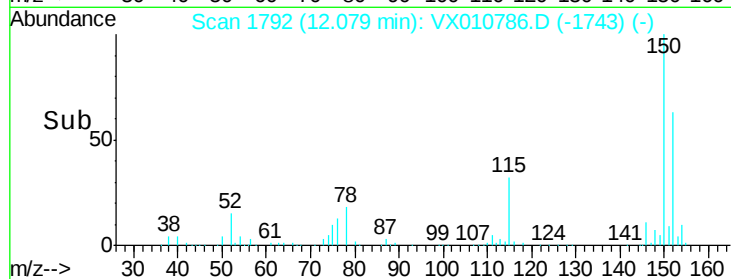
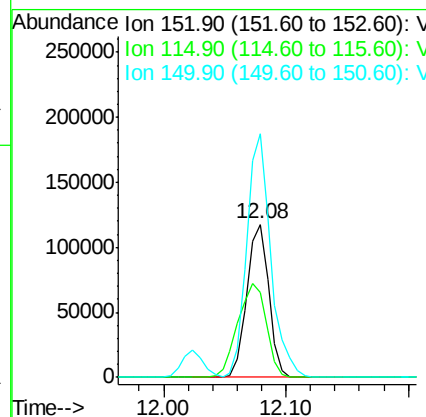
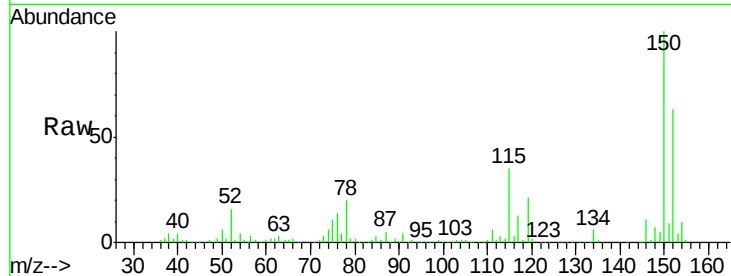
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	152	Resp:	145626
Ion Ratio	Lower	Upper	
152	100		
115	79.4	38.6	115.7
150	174.2	0.0	347.4

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#73

Isopropylbenzene

Concen: 51.328 ug/l

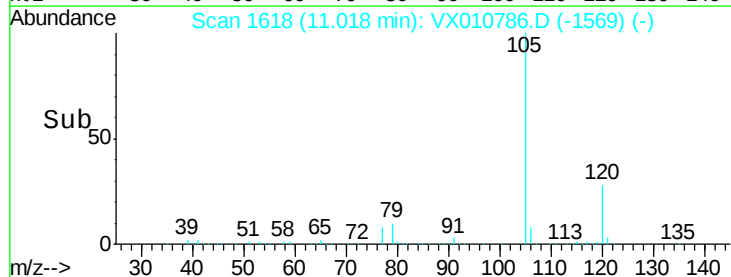
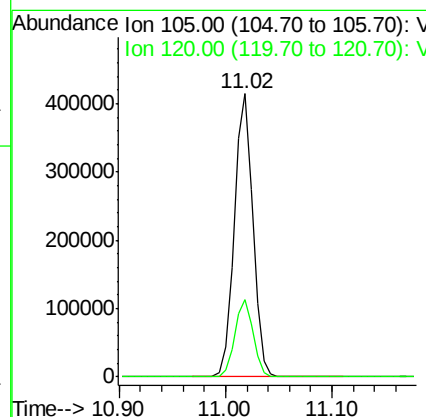
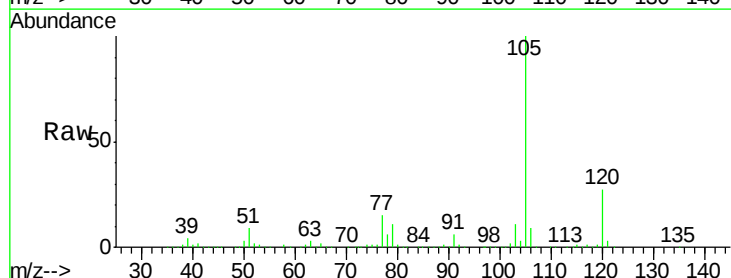
RT: 11.02 min Scan# 1618

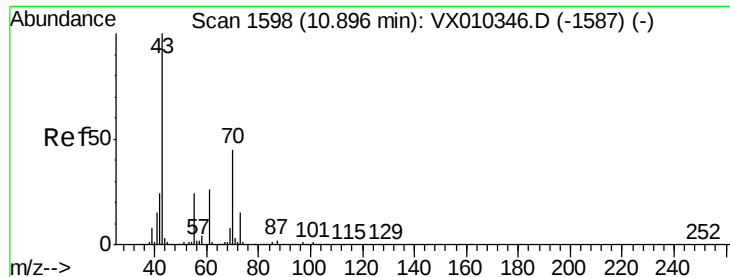
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	105	Resp:	506695
Ion Ratio	Lower	Upper	
105	100		
120	27.3	14.1	42.4





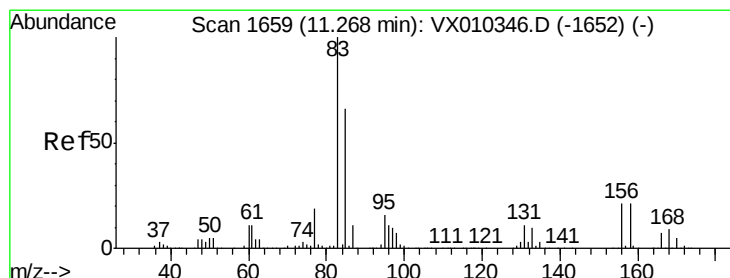
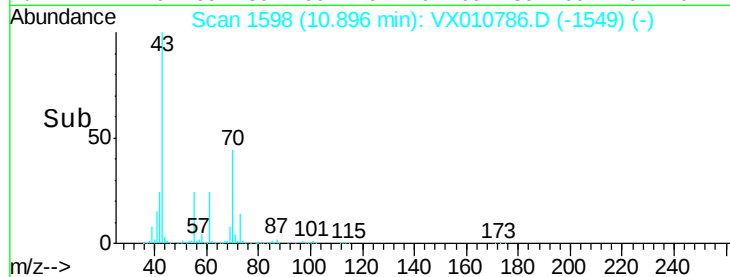
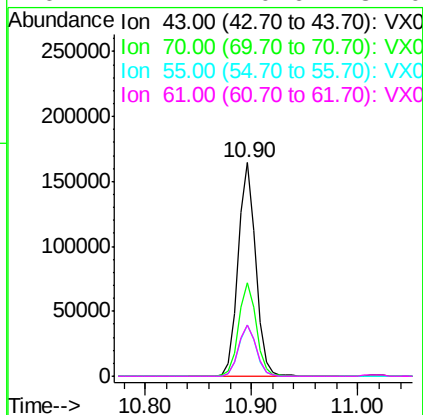
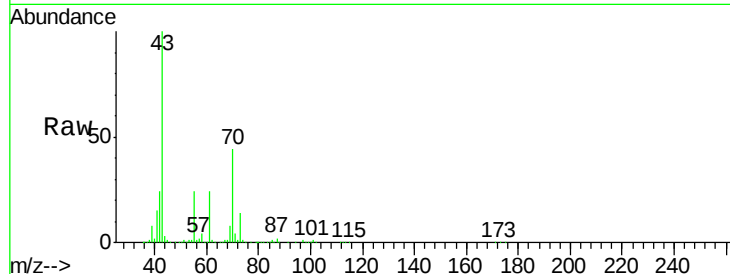
#74
N-ethyl acetate
Concen: 51.103 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.2	36.6	54.8
55	24.2	18.7	28.1
61	24.4	20.6	31.0

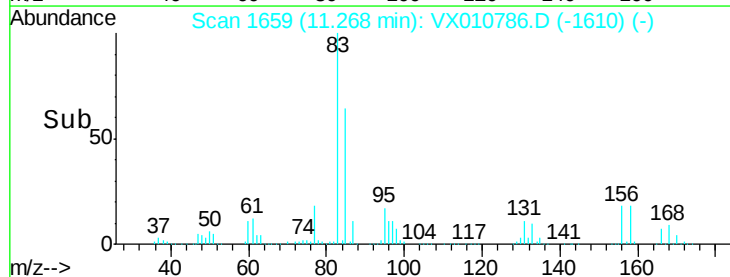
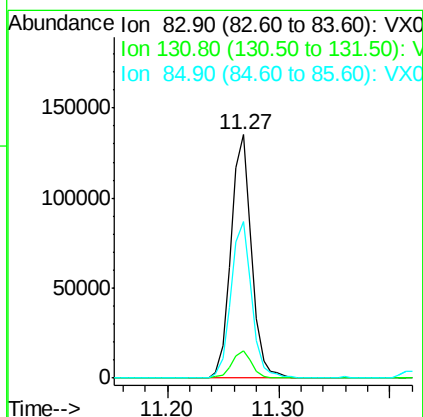
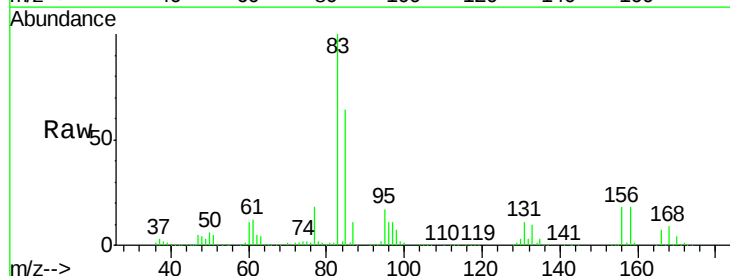
Manual Integrations
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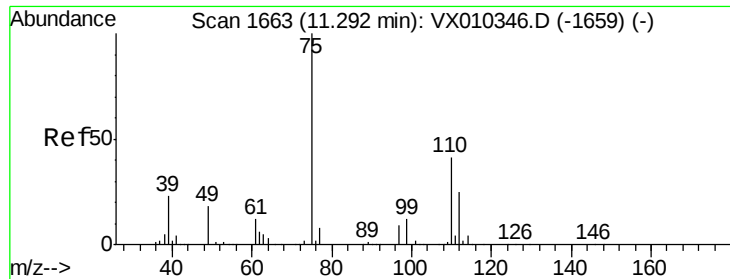
MMDadoda
7/11/2019 10:54:11 AM



#75
1,1,2,2-Tetrachloroethane
Concen: 52.668 ug/l
RT: 11.27 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.7	32.3	96.8





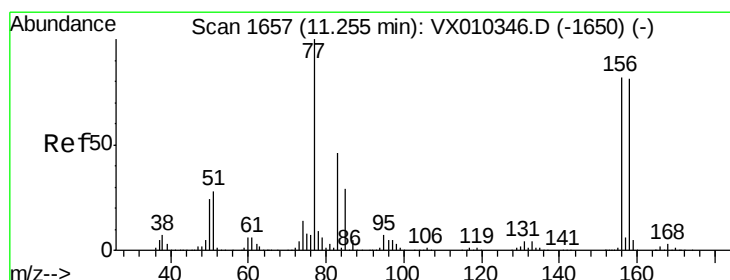
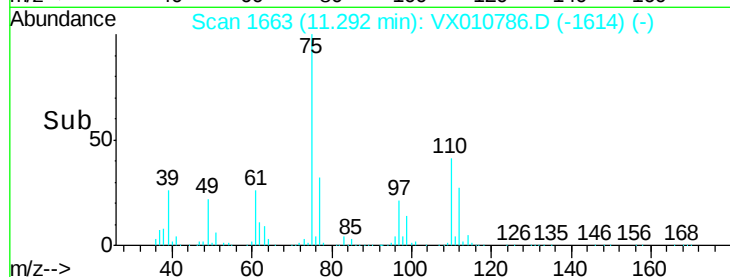
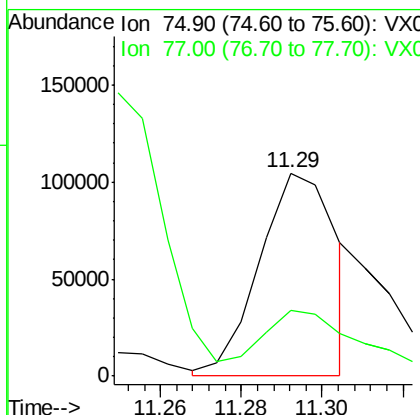
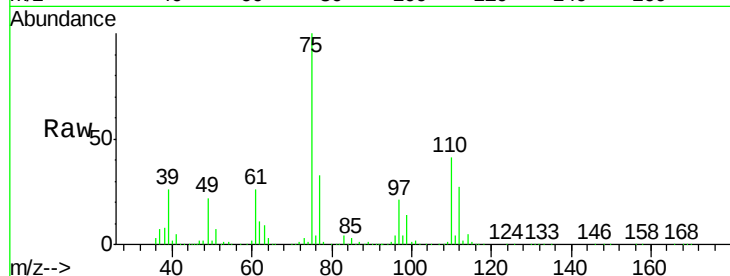
#76
1,2,3-Trichloropropane
Concen: 52.037 ug/l m
RT: 11.29 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion: 75 Resp: 138090
Ion Ratio Lower Upper
75 100
77 42.7 22.6 67.8

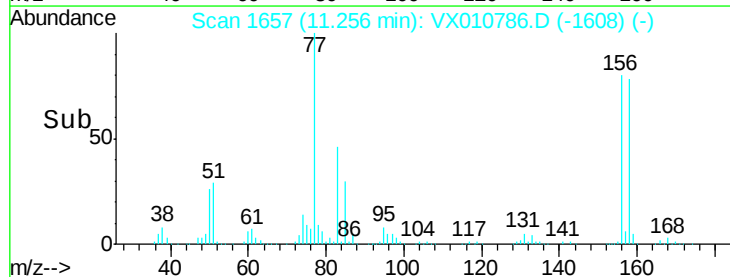
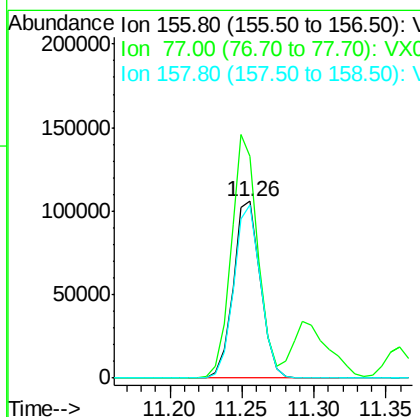
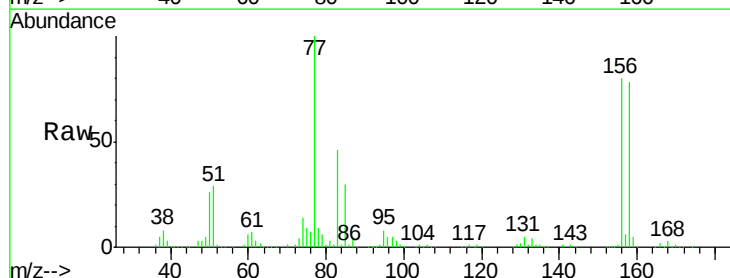
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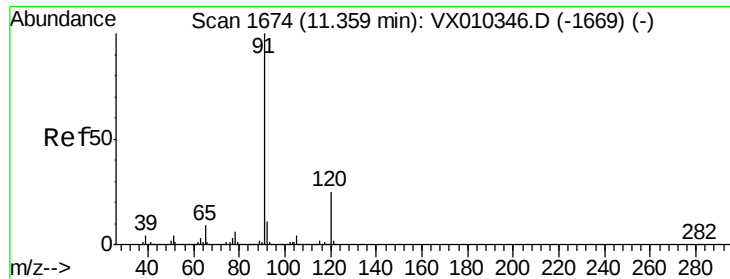
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#77
Bromobenzene
Concen: 50.637 ug/l
RT: 11.26 min Scan# 1657
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion: 156 Resp: 139579
Ion Ratio Lower Upper
156 100
77 134.7 66.3 198.7
158 96.4 48.9 146.7





#78

n-propylbenzene

Concen: 52.788 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion: 91 Resp: 572722

Ion Ratio Lower Upper

91 100

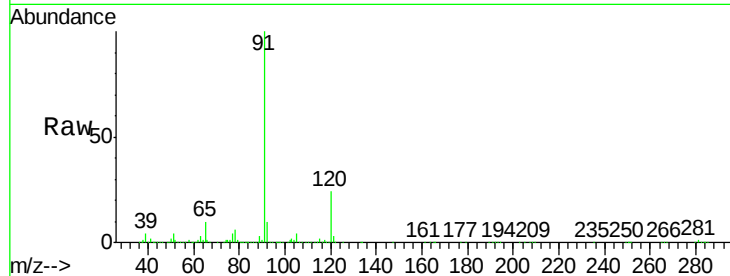
120 24.1 12.4 37.4

Manual Integrations

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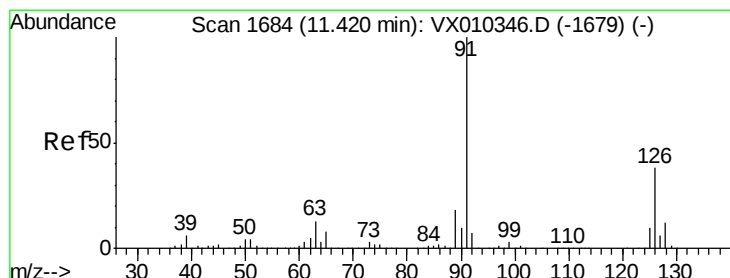
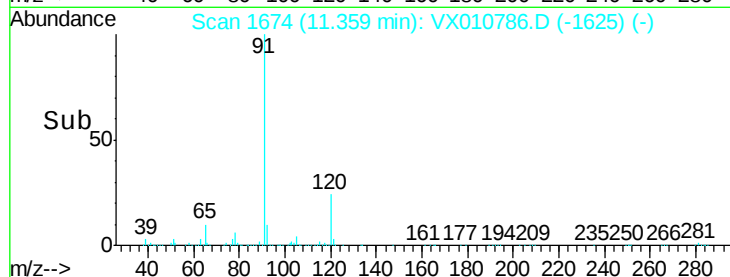
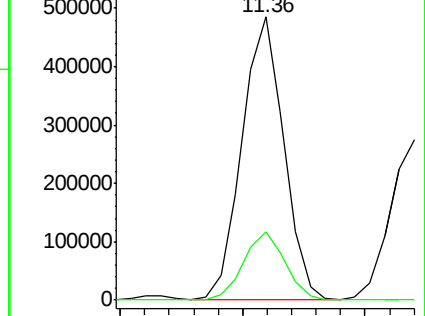
MMDadoda

7/11/2019 10:54:11 AM



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 52.057 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010786.D

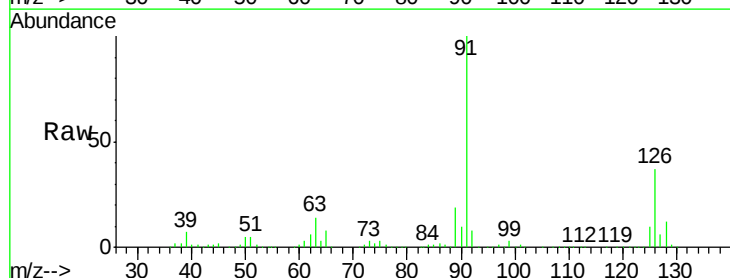
Acq: 10 Jul 2019 18:43

Tgt Ion: 91 Resp: 336316

Ion Ratio Lower Upper

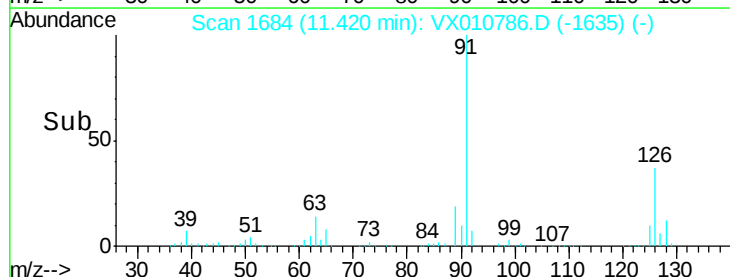
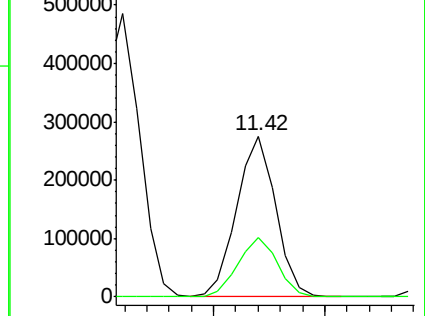
91 100

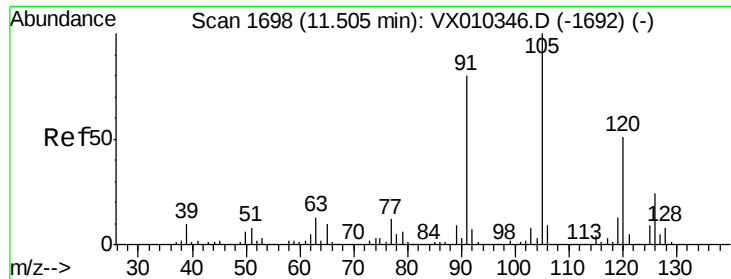
126 37.2 18.7 56.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V





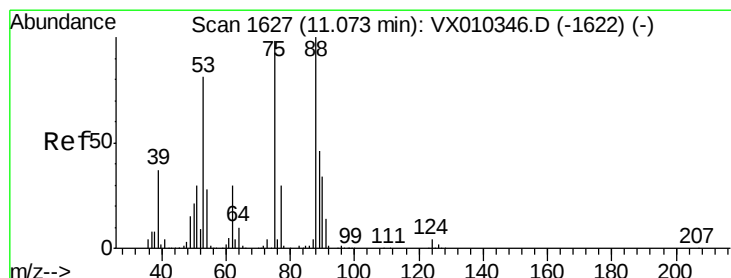
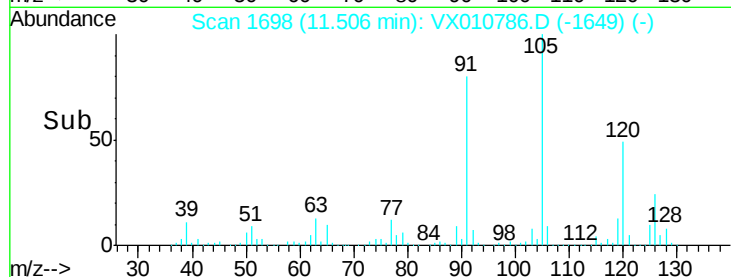
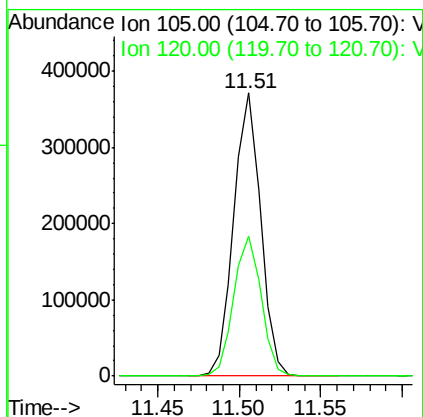
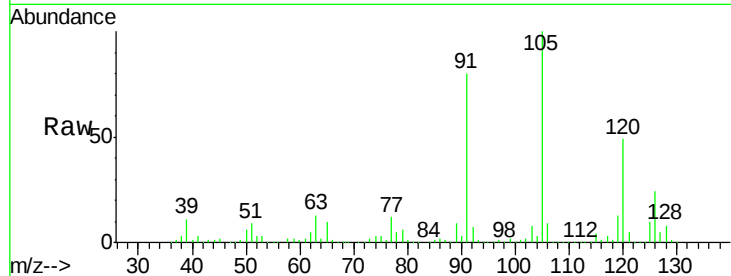
#80
 1,3,5-Trimethylbenzene
 Concen: 52.628 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MSD

Tgt Ion: 105 Resp: 428289
 Ion Ratio Lower Upper
 105 100
 120 50.3 25.2 75.6

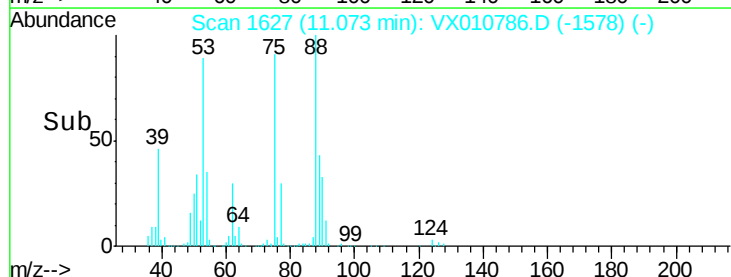
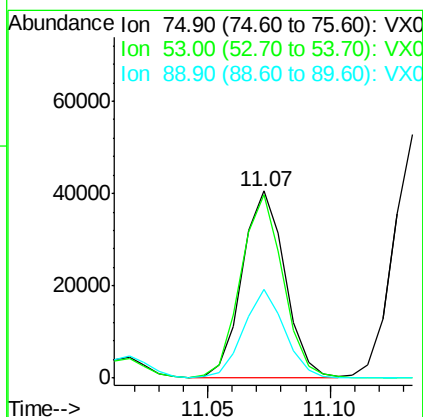
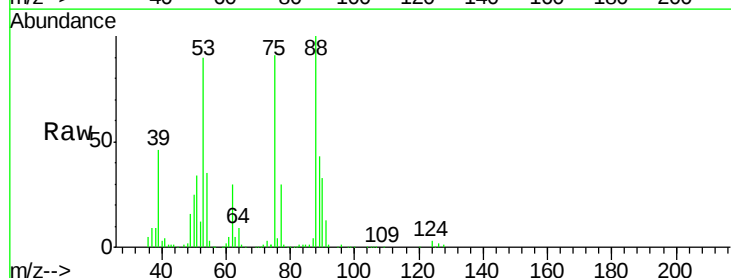
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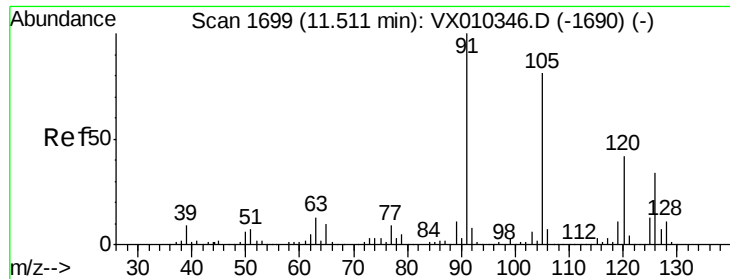
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.230 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Tgt Ion: 75 Resp: 49174
 Ion Ratio Lower Upper
 75 100
 53 96.3 66.1 99.1
 89 45.8 37.8 56.6





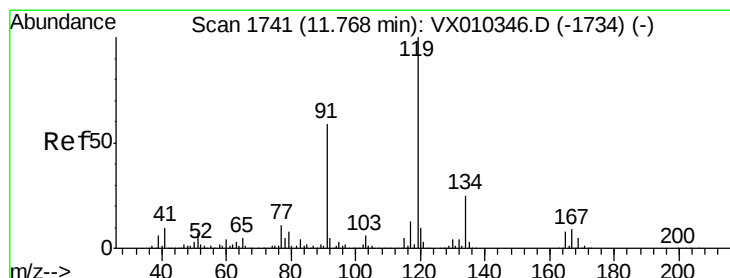
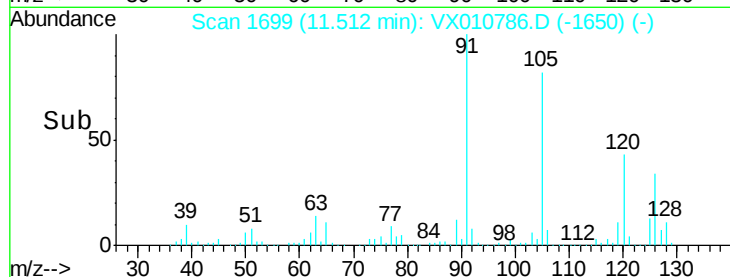
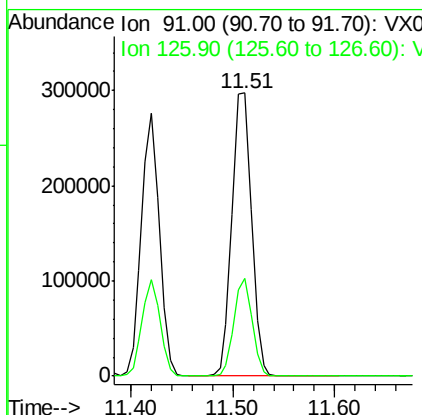
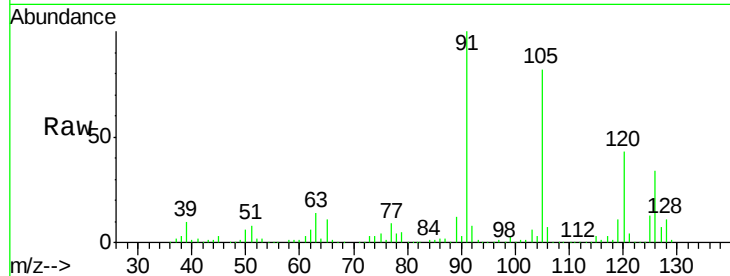
#82
4-Chlorotoluene
Concen: 53.750 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion: 91 Resp: 395141
Ion Ratio Lower Upper
91 100
126 31.8 16.2 48.6

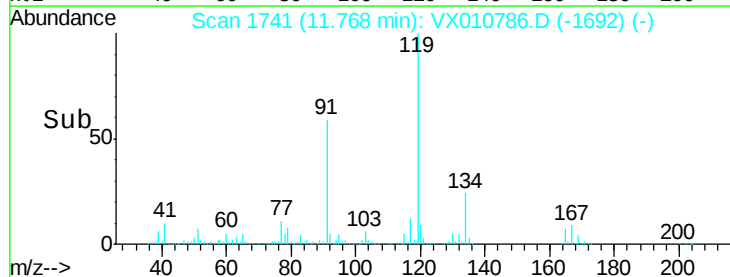
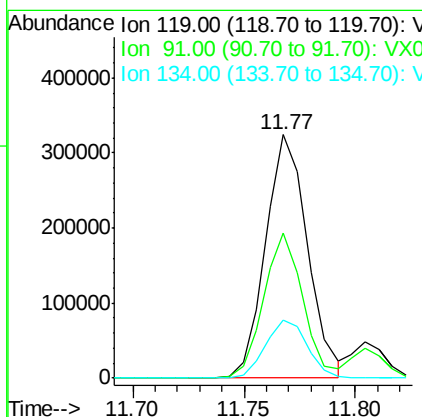
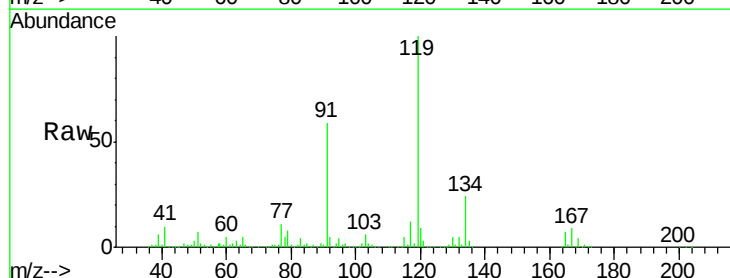
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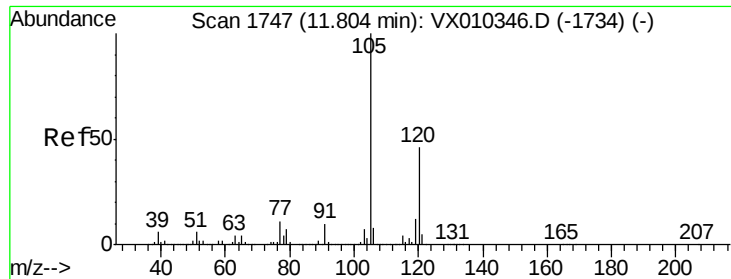
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#83
tert-Butylbenzene
Concen: 51.829 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion: 119 Resp: 423337
Ion Ratio Lower Upper
119 100
91 56.1 27.6 82.7
134 23.9 11.8 35.4





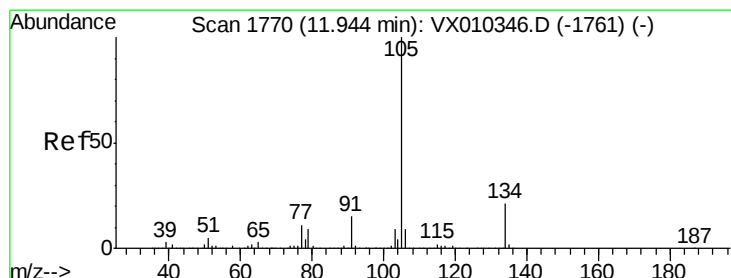
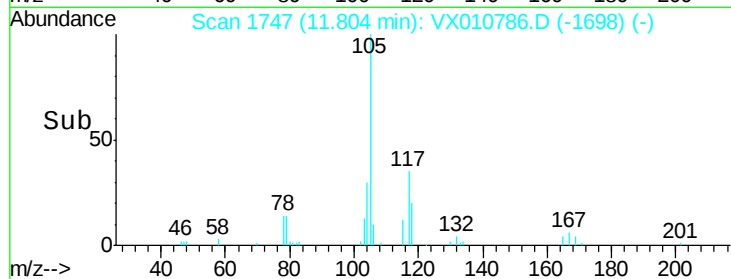
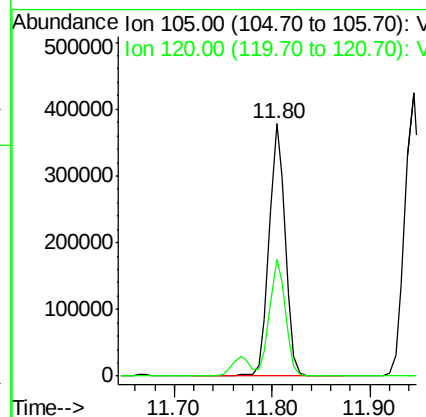
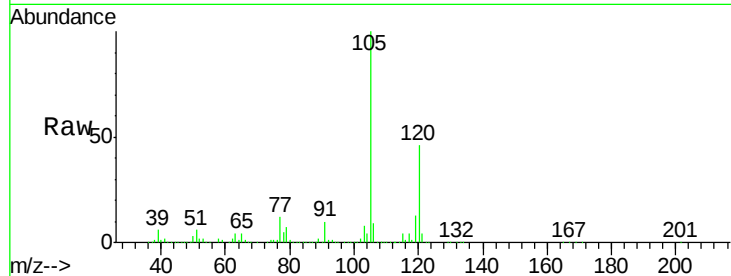
#84
 1,2,4-Trimethylbenzene
 Concen: 53.451 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MSD

Tgt Ion:105 Resp: 437022
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.1 69.2

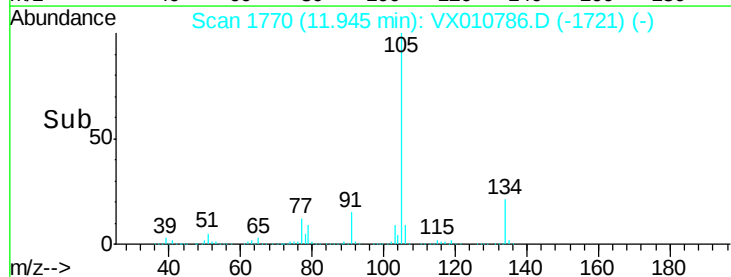
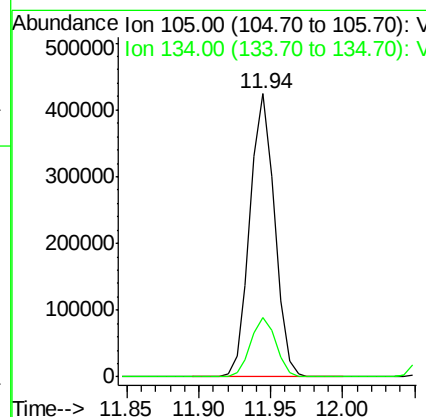
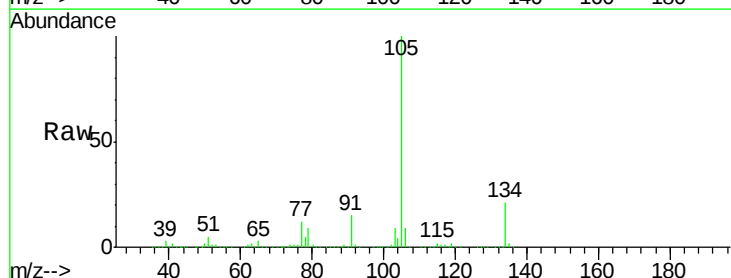
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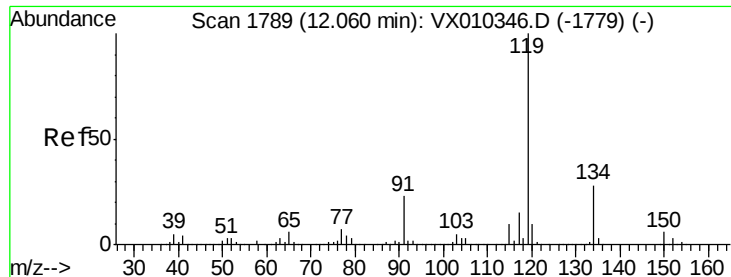
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#85
 sec-Butylbenzene
 Concen: 52.332 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Tgt Ion:105 Resp: 501879
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.7 31.9





#86

p-Isopropyltoluene

Concen: 52.674 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:119 Resp: 467257
Ion Ratio Lower Upper

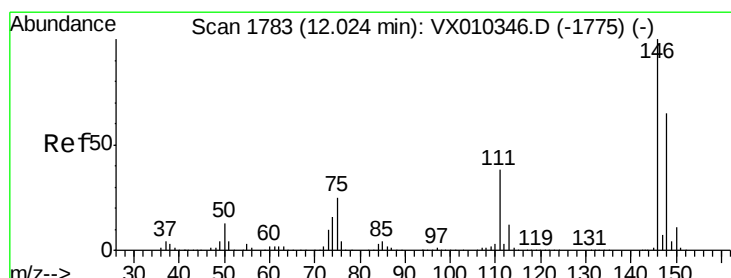
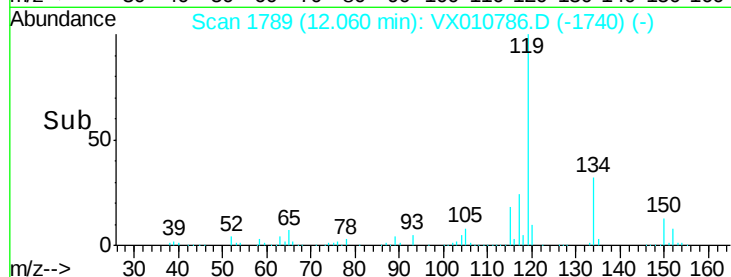
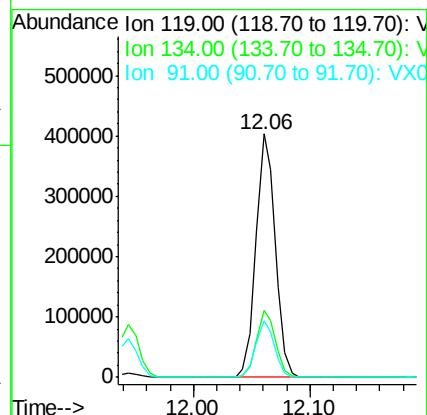
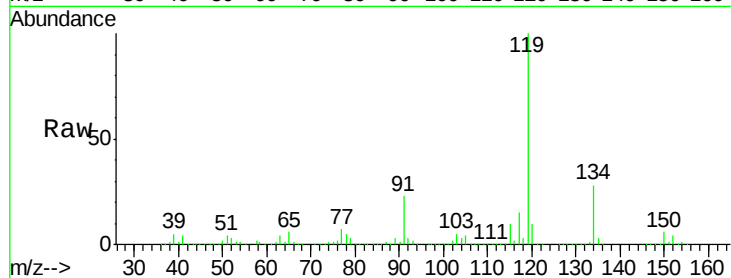
119 100

134 27.3 13.7 41.1

91 22.8 11.3 33.8

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#87

1,3-Dichlorobenzene

Concen: 51.780 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX010786.D

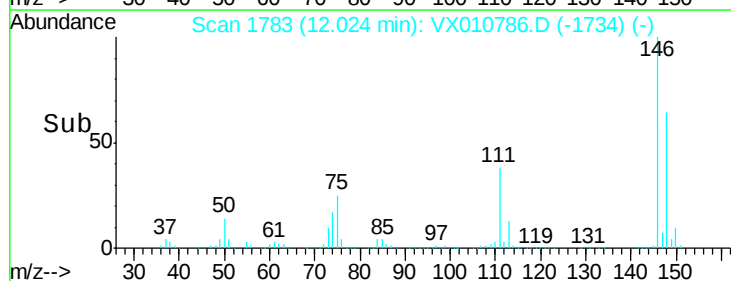
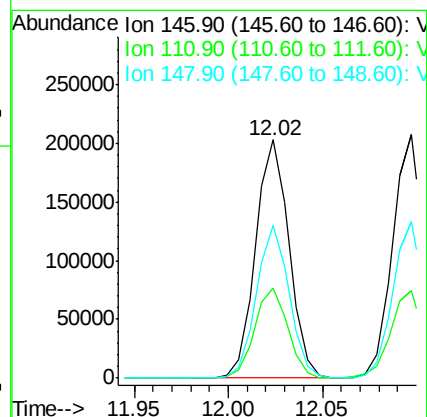
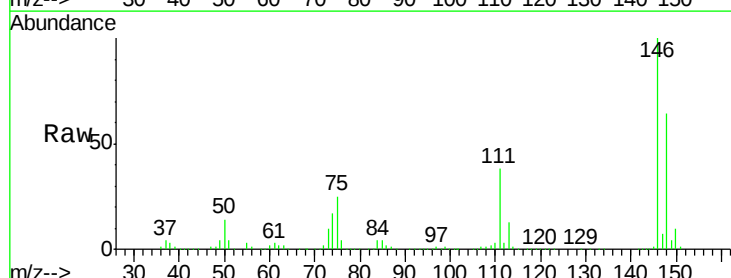
Acq: 10 Jul 2019 18:43

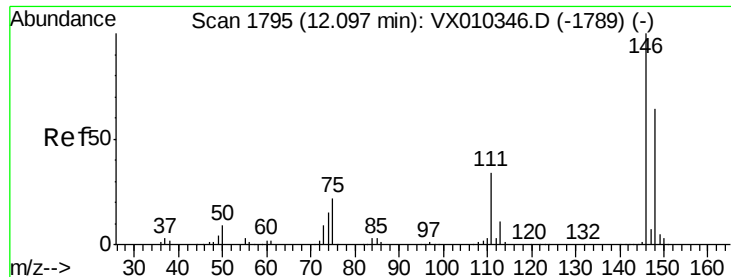
Tgt Ion:146 Resp: 249141
Ion Ratio Lower Upper

146 100

111 37.6 19.1 57.1

148 62.9 32.5 97.4





#88

1,4-Dichlorobenzene

Concen: 50.690 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

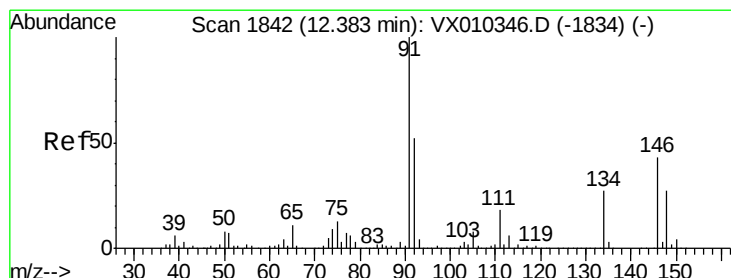
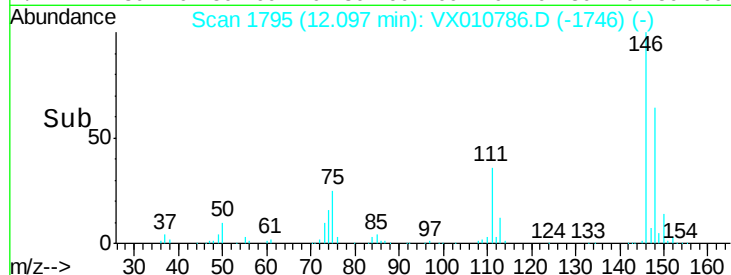
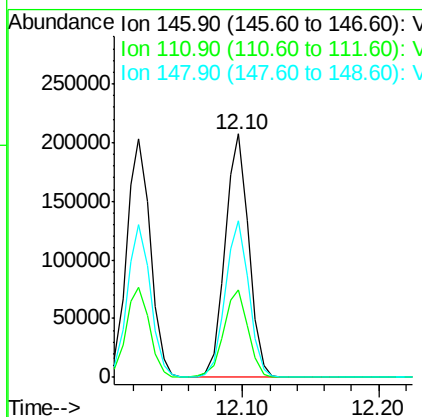
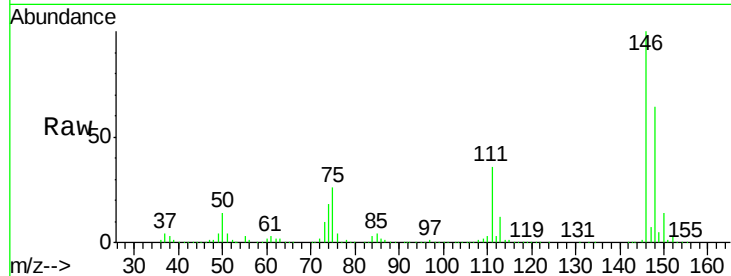
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	146	Resp:	248301
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.1	54.3
148	64.3	32.1	96.3

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#89

n-Butylbenzene

Concen: 53.089 ug/l

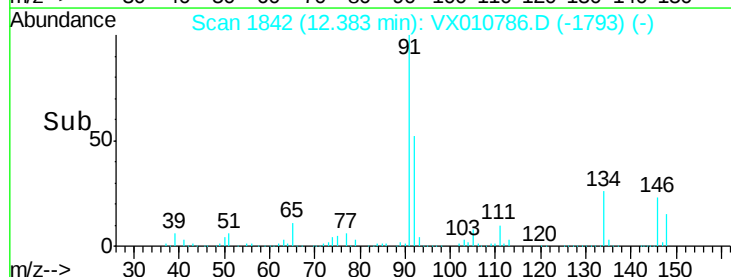
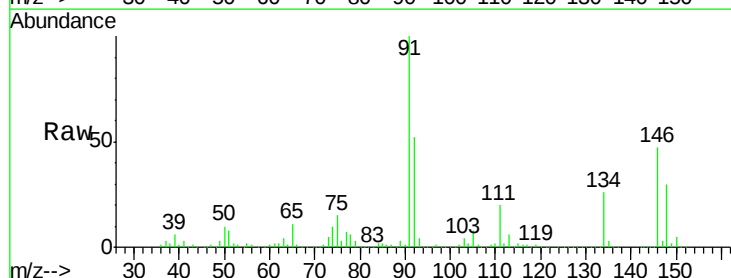
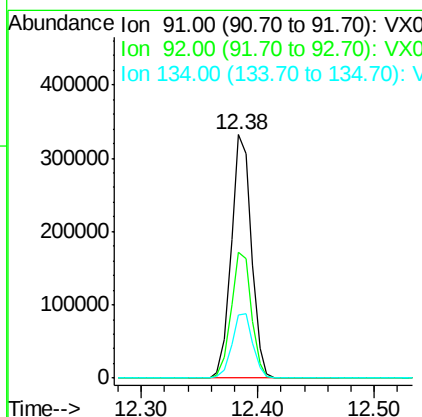
RT: 12.38 min Scan# 1842

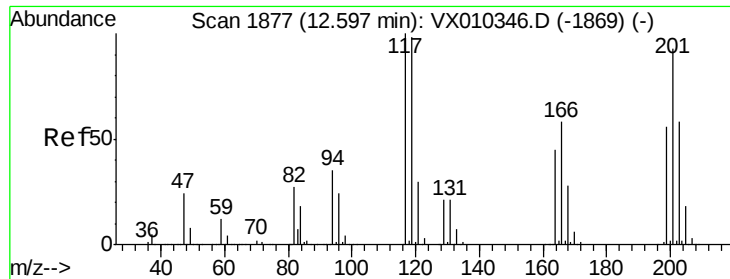
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	91	Resp:	400183
Ion Ratio	Lower	Upper	
91	100		
92	51.9	26.2	78.5
134	27.4	14.1	42.4





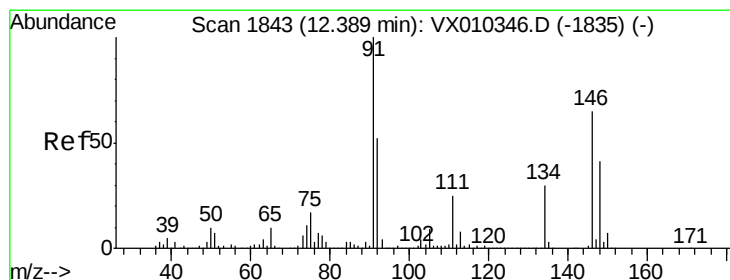
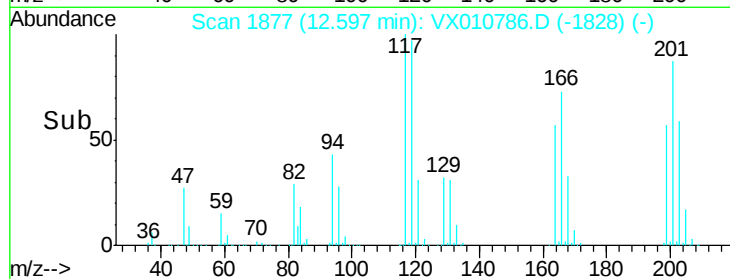
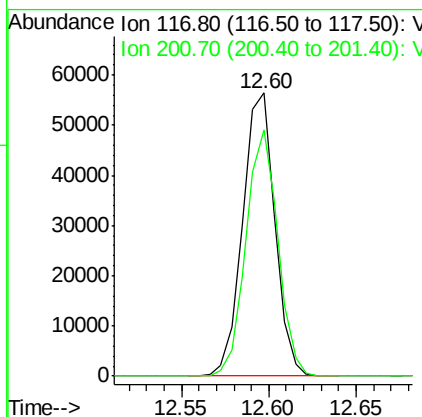
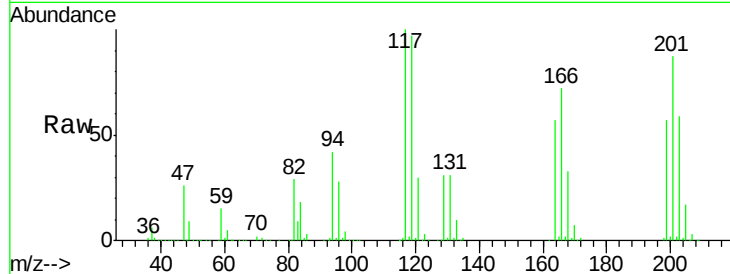
#90
Hexachloroethane
Concen: 47.211 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Instrument :
MSVOA_X
ClientSampleId :
KY030LC068-SW-190709MSD

Tgt Ion:117 Resp: 72415
Ion Ratio Lower Upper
117 100
201 85.5 44.0 131.8

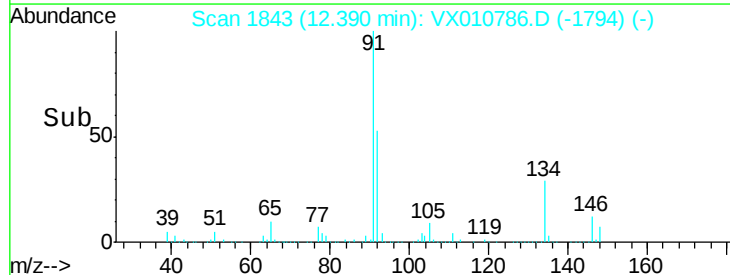
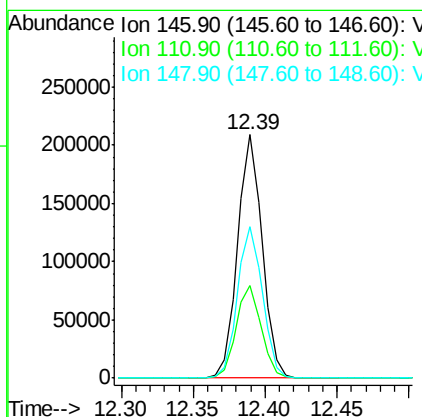
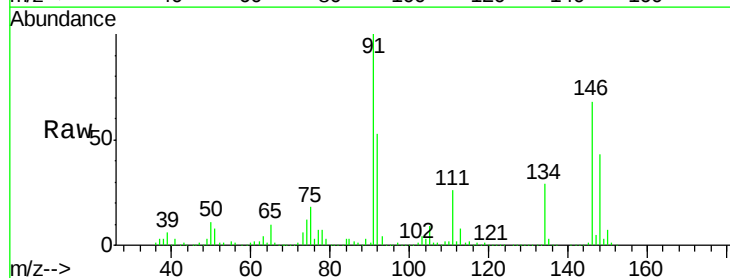
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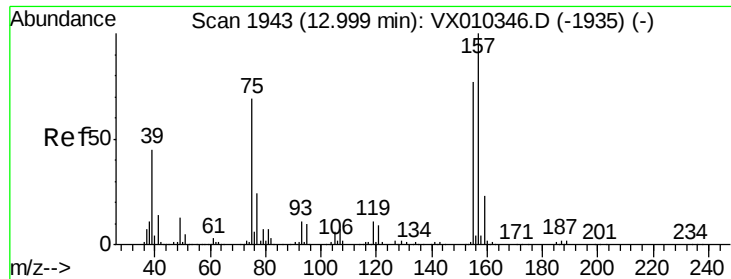
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#91
1,2-Dichlorobenzene
Concen: 52.080 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX010786.D
Acq: 10 Jul 2019 18:43

Tgt Ion:146 Resp: 249052
Ion Ratio Lower Upper
146 100
111 38.8 19.2 57.6
148 63.6 32.0 96.0





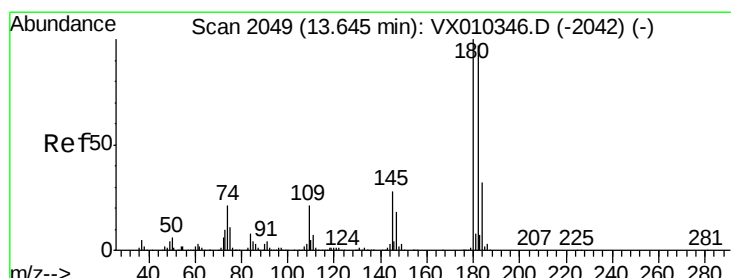
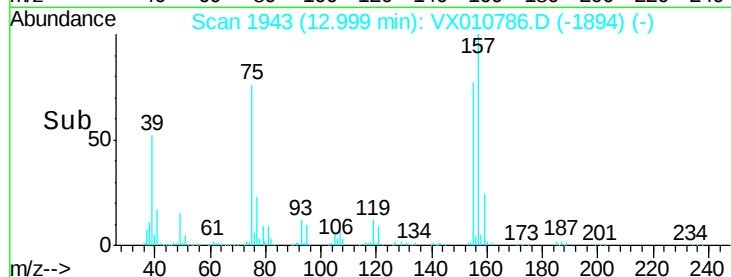
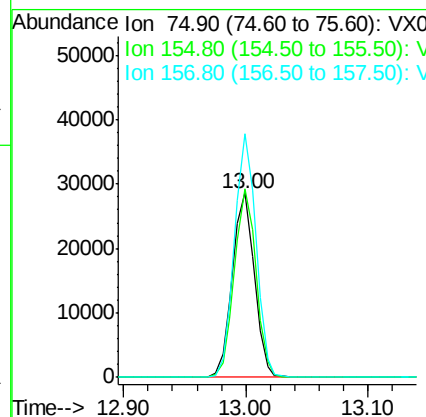
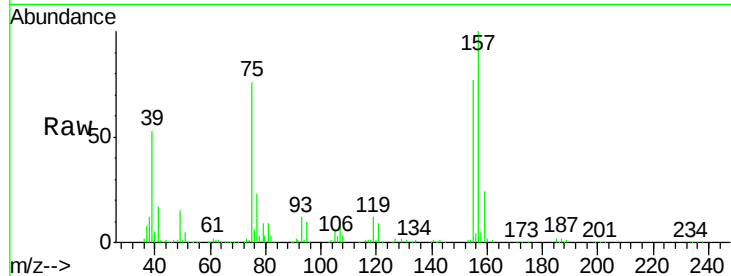
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.450 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MSD

Tgt Ion: 75 Resp: 35560
 Ion Ratio Lower Upper
 75 100
 155 99.9 54.4 163.1
 157 128.8 69.5 208.3

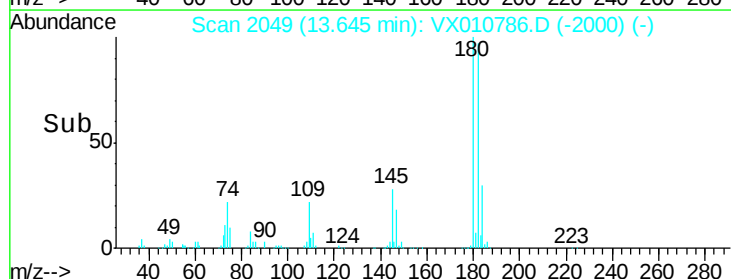
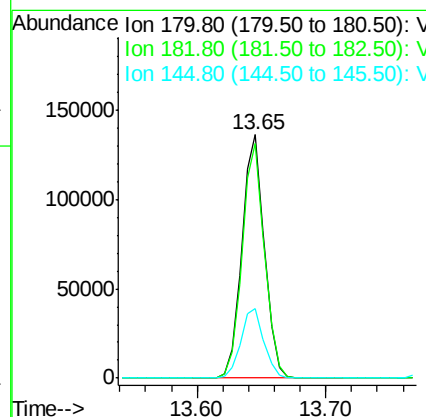
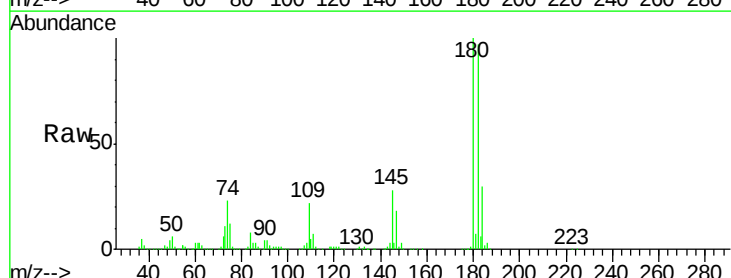
Manual Integrations
 APPROVED

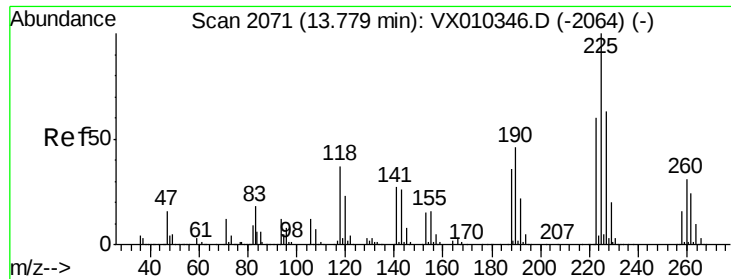
MMDadoda
 7/11/2019 10:54:11 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.645 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Tgt Ion: 180 Resp: 164639
 Ion Ratio Lower Upper
 180 100
 182 96.0 48.0 144.0
 145 29.1 14.4 43.4





#94

Hexachlorobutadiene

Concen: 48.790 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Instrument :

MSVOA_X

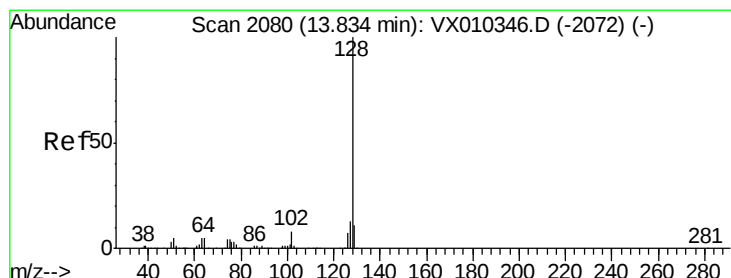
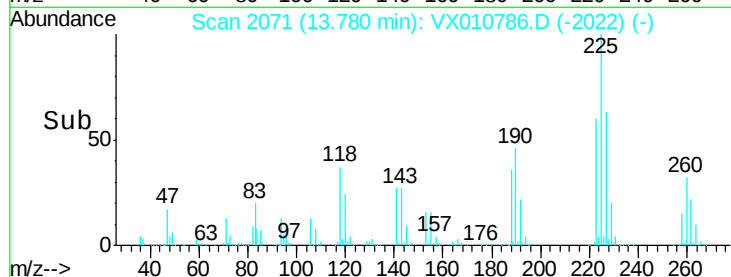
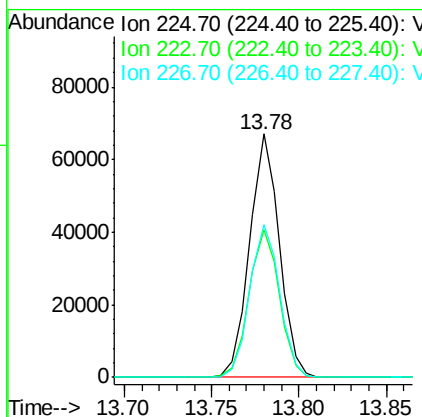
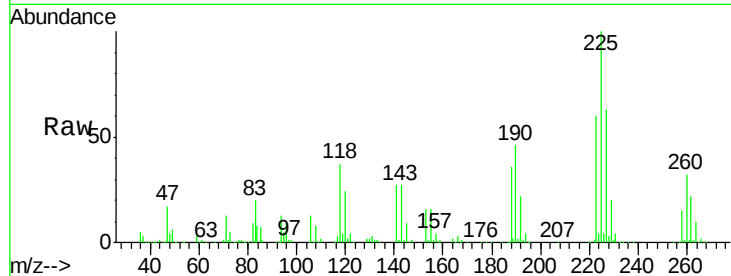
ClientSampleId :

KY030LC068-SW-190709MSD

Tgt Ion:	225	Resp:	79078
Ion Ratio	Lower	Upper	
225	100		
223	61.8	30.9	92.7
227	63.2	31.9	95.5

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#95

Naphthalene

Concen: 50.748 ug/l

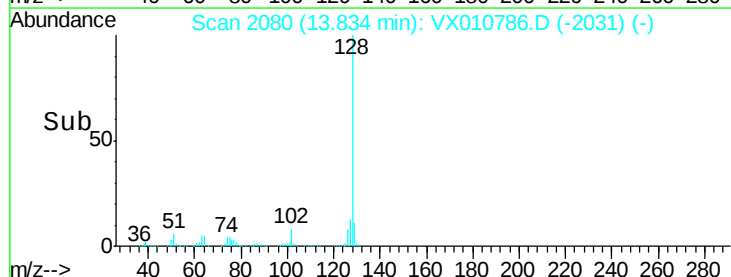
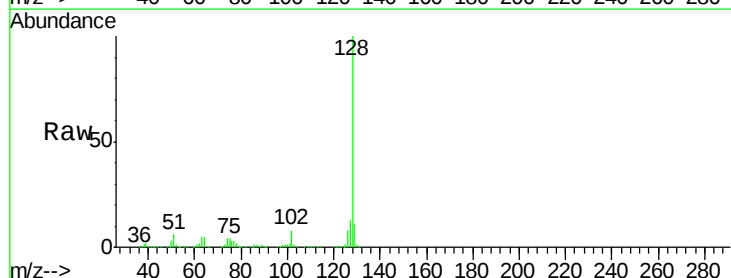
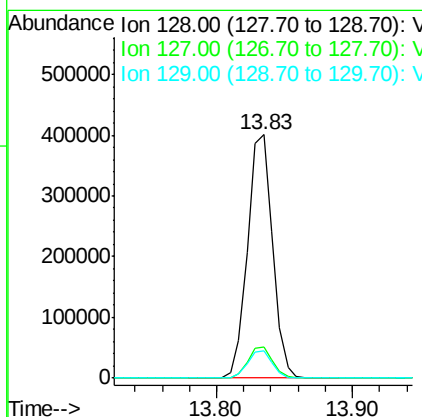
RT: 13.83 min Scan# 2080

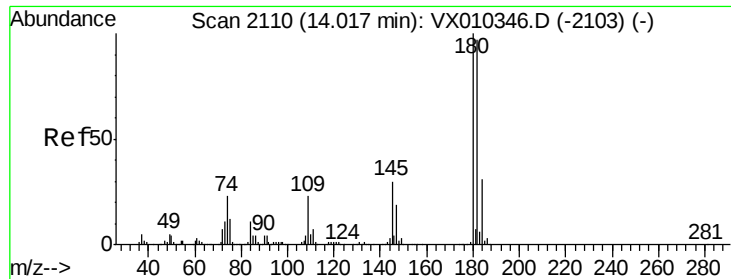
Delta R.T. 0.00 min

Lab File: VX010786.D

Acq: 10 Jul 2019 18:43

Tgt Ion:	128	Resp:	517183
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.4
129	11.0	8.9	13.3





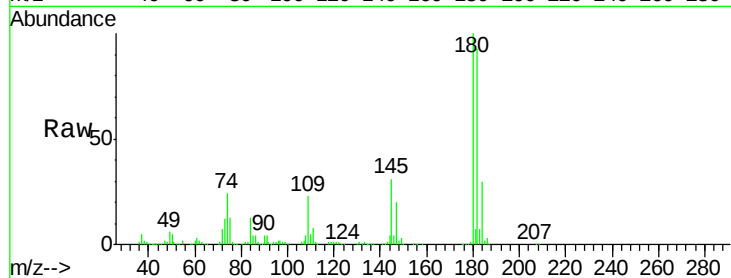
#96
 1,2,3-Trichlorobenzene
 Concen: 51.586 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010786.D
 Acq: 10 Jul 2019 18:43

Instrument :
 MSVOA_X
 ClientSampleId :
 KY030LC068-SW-190709MSD

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.8	47.8	143.3
145	31.1	15.2	45.6

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

