

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010472.D
 Acq On : 26 Jun 2019 18:53
 Operator : JC/SP
 Sample : K3527-19MS
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 10:11:43 AM

Quant Time: Jun 27 03:27:51 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	252368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	380590	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	343991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	175169	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123354	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	
35) Dibromofluoromethane	5.50	113	119293	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
50) Toluene-d8	8.71	98	448920	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	11.13	95	159478	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	79950	45.568	ug/l	99
3) Chloromethane	1.32	50	84393	41.307	ug/l	99
4) Vinyl Chloride	1.41	62	100622	44.966	ug/l	98
5) Bromomethane	1.64	94	52472	48.131	ug/l	99
6) Chloroethane	1.71	64	66346	50.253	ug/l	95
7) Trichlorofluoromethane	1.92	101	179382	50.568	ug/l	98
8) Diethyl Ether	2.19	74	64915	51.028	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	104430	48.578	ug/l	99
10) Methyl Iodide	2.51	142	153104	49.904	ug/l	98
11) Tert butyl alcohol	3.05	59	150071	242.379	ug/l	100
12) 1,1-Dichloroethene	2.37	96	104655	47.843	ug/l	97
13) Acrolein	2.29	56	85655	208.541	ug/l	99
14) Allyl chloride	2.73	41	152154	48.994	ug/l	99
15) Acrylonitrile	3.14	53	312367	254.814	ug/l	99
16) Acetone	2.45	43	245053	206.644	ug/l	98
17) Carbon Disulfide	2.57	76	251196	42.803	ug/l	99
18) Methyl Acetate	2.78	43	114936	48.629	ug/l	98
19) Methyl tert-butyl Ether	3.20	73	346483	50.349	ug/l	98
20) Methylene Chloride	2.85	84	119575	48.997	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	112532	47.832	ug/l	100
22) Diisopropyl ether	3.85	45	325387	50.113	ug/l	97
23) Vinyl Acetate	3.82	43	1344779	239.741	ug/l	100
24) 1,1-Dichloroethane	3.70	63	187705	50.012	ug/l	99
25) 2-Butanone	4.67	43	418181	240.400	ug/l	99
26) 2,2-Dichloropropane	4.58	77	143753	44.091	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	135075	49.684	ug/l	99
28) Bromochloromethane	5.02	49	91311	50.884	ug/l	97
29) Tetrahydrofuran	5.13	42	278882	258.830	ug/l	99
30) Chloroform	5.21	83	202440	50.130	ug/l	99
31) Cyclohexane	5.58	56	166282	48.651	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	178388	50.028	ug/l	100
36) 1,1-Dichloropropene	5.80	75	146265	48.362	ug/l	98
37) Ethyl Acetate	4.84	43	150805	48.469	ug/l	100
38) Carbon Tetrachloride	5.79	117	160408	48.980	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	182529	45.914	ug/l	99
40) Benzene	6.14	78	465859	49.442	ug/l	99
41) Methacrylonitrile	5.04	41	86152	50.466	ug/l	99
42) 1,2-Dichloroethane	6.20	62	148265	51.693	ug/l	99
43) Isopropyl Acetate	6.45	43	248388	48.252	ug/l	99
44) Trichloroethene	7.21	130	135949	48.219	ug/l	99
45) 1,2-Dichloropropane	7.51	63	118196	49.674	ug/l	99
46) Dibromomethane	7.66	93	86282	50.541	ug/l	98
47) Bromodichloromethane	7.90	83	156838	50.130	ug/l	100
48) Methyl methacrylate	7.77	41	123198	51.489	ug/l	99
49) 1,4-Dioxane	7.74	88	67776	983.287	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	832266	252.795	ug/l	99
52) Toluene	8.79	92	301772	48.634	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	169649	48.366	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	186121	48.828	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	129491	50.601	ug/l	99
56) Ethyl methacrylate	9.18	69	190318	49.094	ug/l	98
57) 1,3-Dichloropropane	9.37	76	200546	50.484	ug/l	100
59) 2-Hexanone	9.49	43	636607	245.687	ug/l	99
60) Dibromochloromethane	9.58	129	143052	49.926	ug/l	100
61) 1,2-Dibromoethane	9.67	107	138340	50.083	ug/l	99
64) Tetrachloroethene	9.34	164	133116	47.844	ug/l	96
65) Chlorobenzene	10.14	112	340863	48.809	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	130480	51.293	ug/l	99
67) Ethyl Benzene	10.25	91	580896	49.270	ug/l	99
68) m/p-Xylenes	10.36	106	443350	97.049	ug/l	99
69) o-Xylene	10.69	106	219601	48.881	ug/l	98
70) Styrene	10.71	104	371071	49.252	ug/l	100
71) Bromoform	10.85	173	109343	49.428	ug/l	98
73) Isopropylbenzene	11.02	105	582417	49.049	ug/l	99
74) N-amyl acetate	10.90	43	207322	46.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	196089	49.864	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	157499m	49.341	ug/l	
77) Bromobenzene	11.26	156	159953	48.242	ug/l	99
78) n-propylbenzene	11.36	91	642739	49.251	ug/l	100
79) 2-Chlorotoluene	11.42	91	374053	48.133	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	476281	48.655	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	60662	44.335	ug/l	94
82) 4-Chlorotoluene	11.51	91	432751	48.938	ug/l	99
83) tert-Butylbenzene	11.77	119	484127	49.275	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	480804	48.888	ug/l	100
85) sec-Butylbenzene	11.94	105	559300	48.483	ug/l	100
86) p-Isopropyltoluene	12.06	119	517905	48.537	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	276211	47.724	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	275546	46.765	ug/l	100
89) n-Butylbenzene	12.38	91	431868	47.630	ug/l	100
90) Hexachloroethane	12.60	117	89822	48.683	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	276011	47.983	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	39739	46.870	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	187968	47.121	ug/l	100

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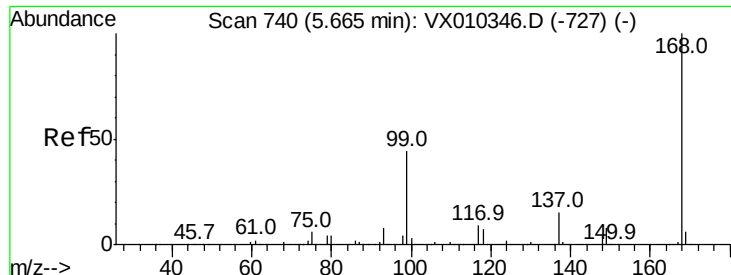
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	85871	44.046	ug/l	99
95) Naphthalene	13.83	128	595266	48.559	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	189216	47.708	ug/l	100

(#) = 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: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:168 Resp: 252368

Ion Ratio Lower Upper

168 100

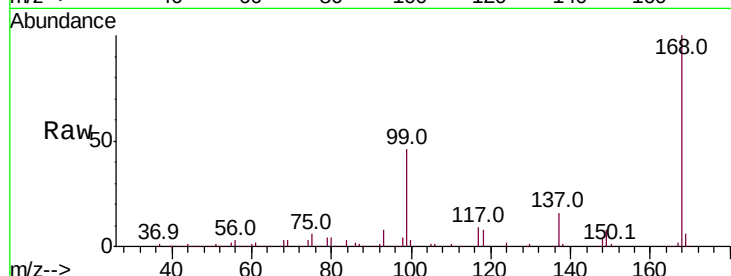
99 45.8 35.5 53.3

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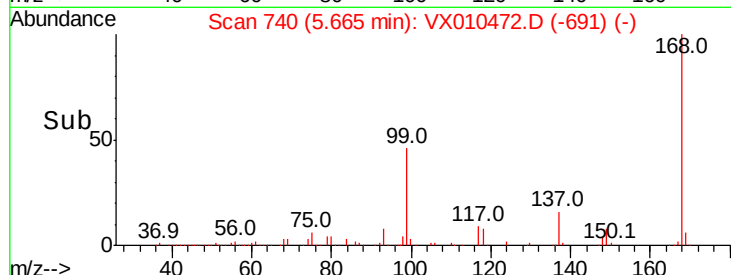


Abundance Ion 167.90 (167.60 to 168.60): V

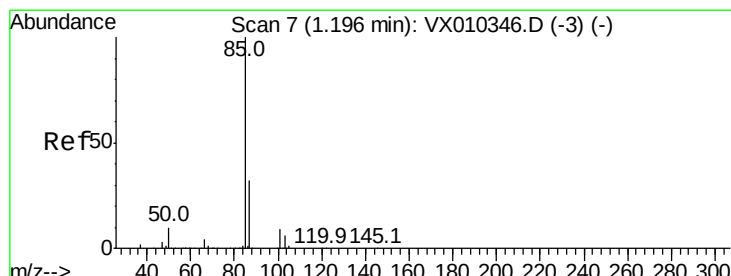
Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 45.568 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010472.D

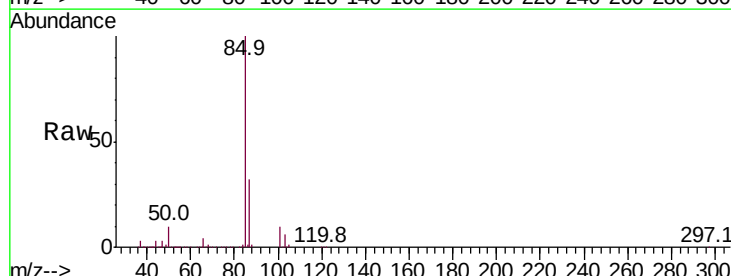
Acq: 26 Jun 2019 18:53

Tgt Ion: 85 Resp: 79950

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8

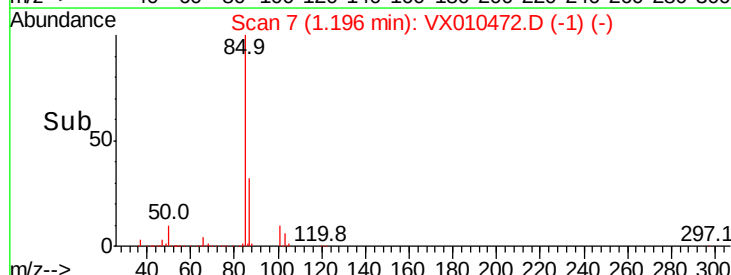


Abundance Ion 84.90 (84.60 to 85.60): VX0

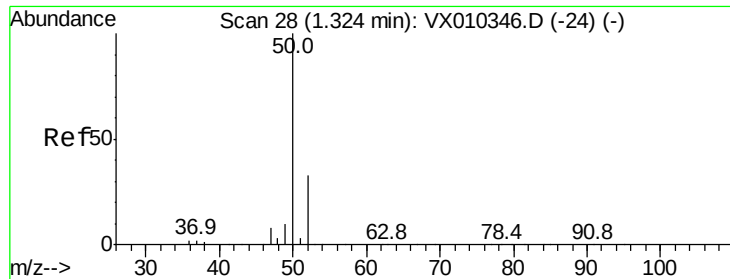
Ion 86.90 (86.60 to 87.60): VX0

1.20

Time-->



Time-->



#3

Chloromethane

Concen: 41.307 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 50 Resp: 84393

Ion Ratio Lower Upper

50 100

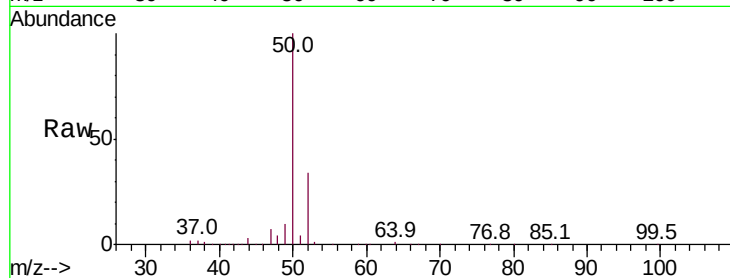
52 33.7 26.5 39.7

Manual Integrations

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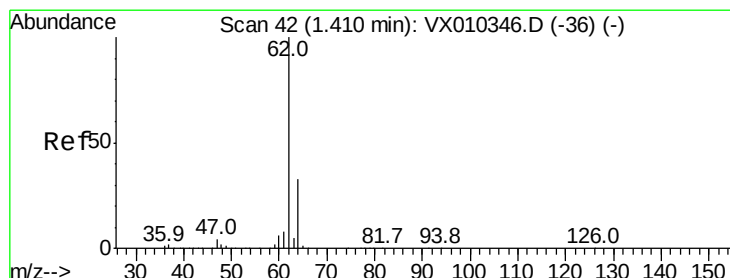
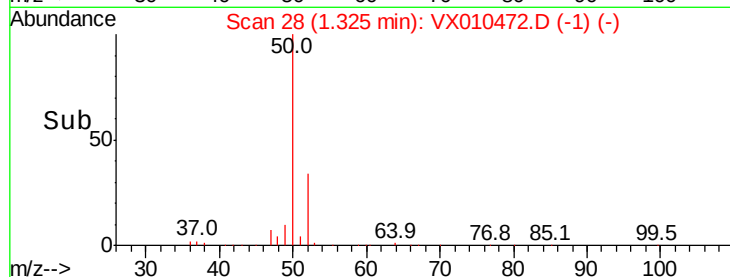
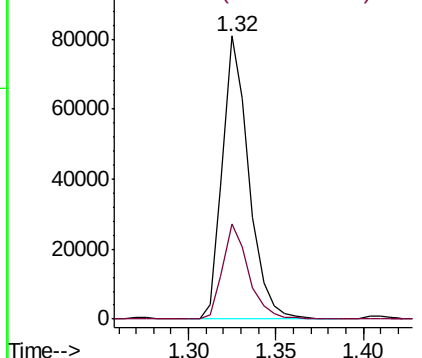
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 44.966 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010472.D

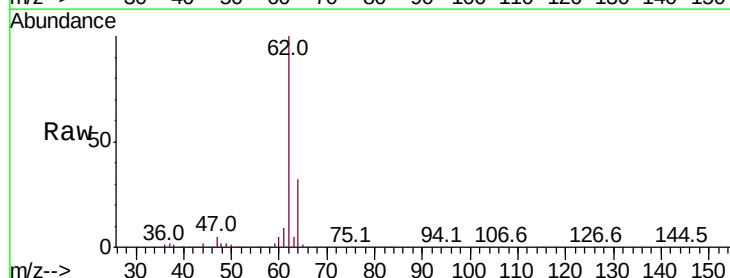
Acq: 26 Jun 2019 18:53

Tgt Ion: 62 Resp: 100622

Ion Ratio Lower Upper

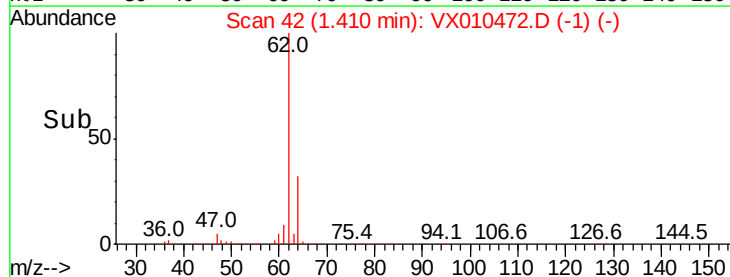
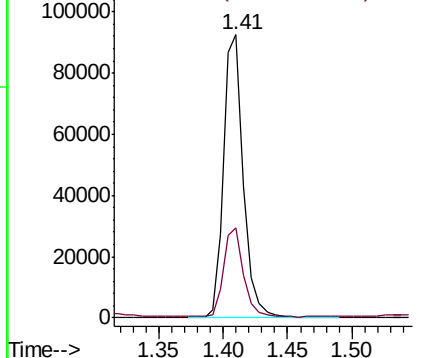
62 100

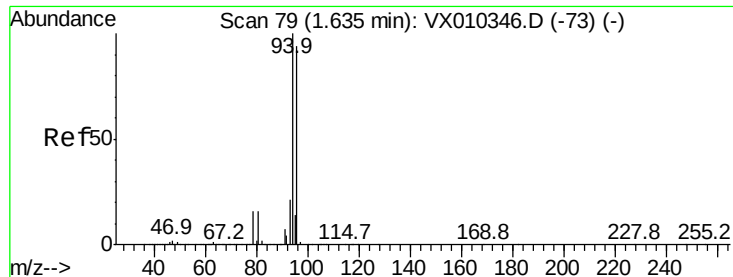
64 31.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 48.131 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

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ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 94 Resp: 52472

Ion Ratio Lower Upper

94 100

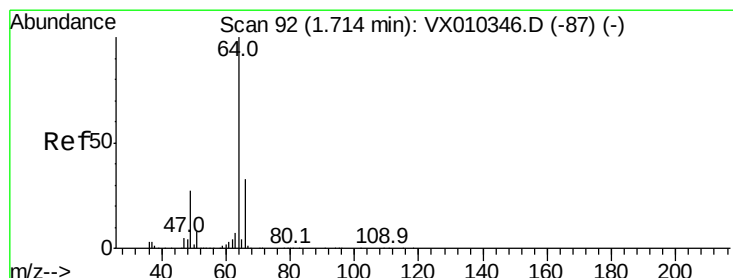
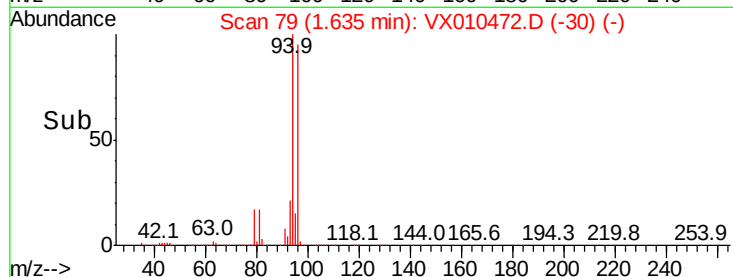
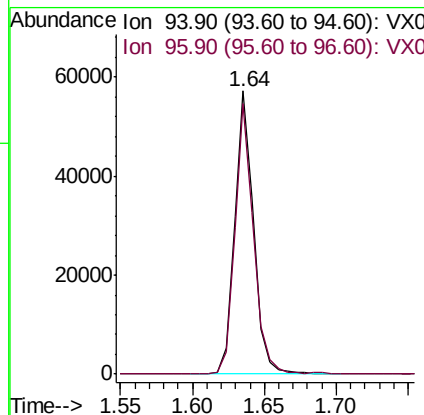
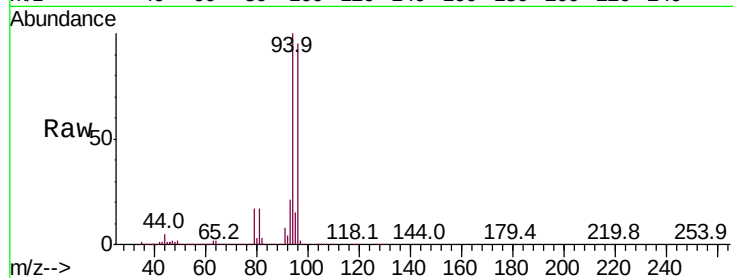
96 95.6 75.5 113.3

Manual Integrations

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#6

Chloroethane

Concen: 50.253 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX010472.D

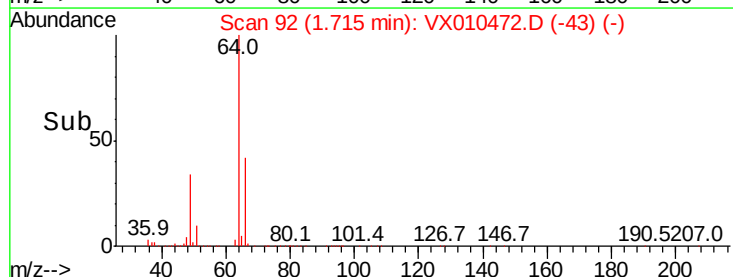
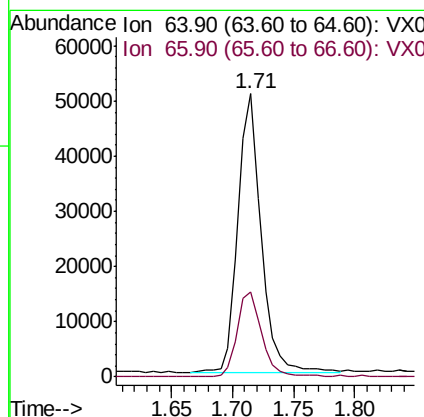
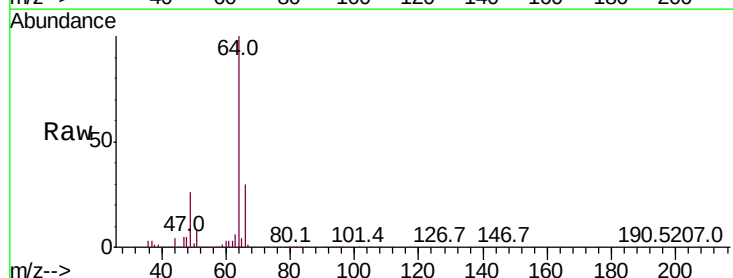
Acq: 26 Jun 2019 18:53

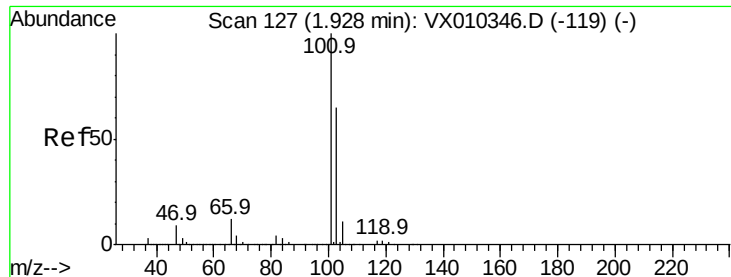
Tgt Ion: 64 Resp: 66346

Ion Ratio Lower Upper

64 100

66 30.3 26.6 40.0





#7

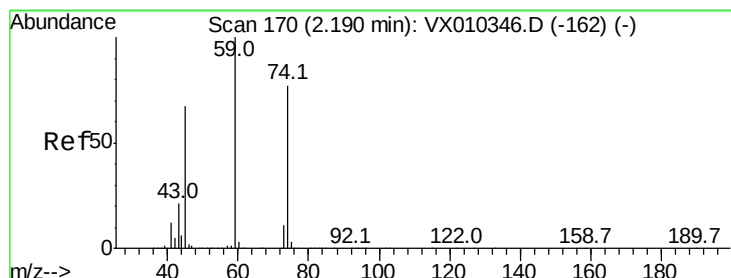
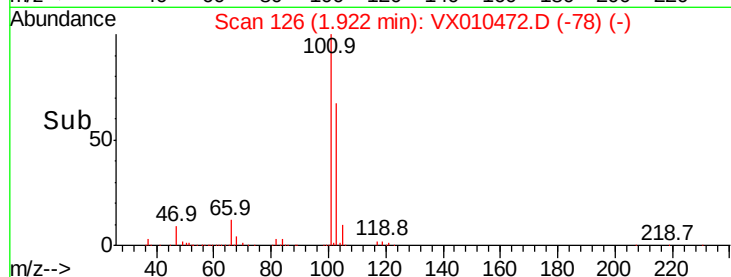
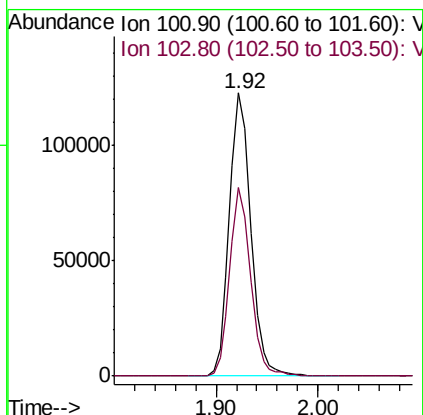
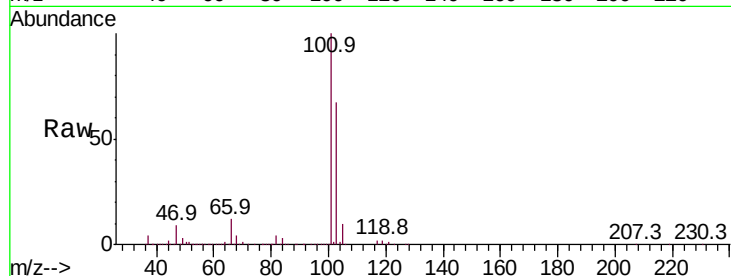
Trichlorofluoromethane
Concen: 50.568 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	52.3	78.5

Manual Integrations
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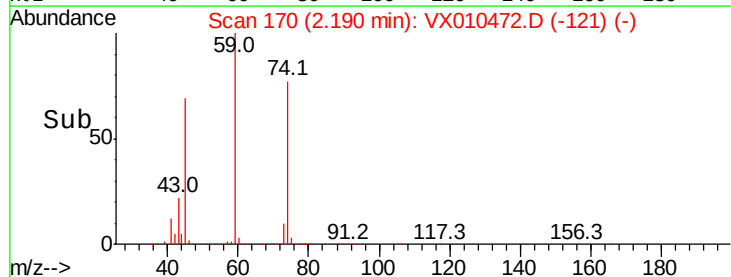
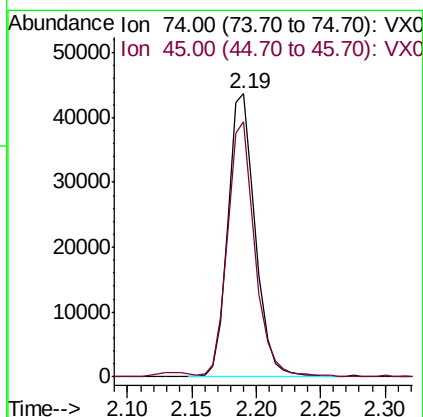
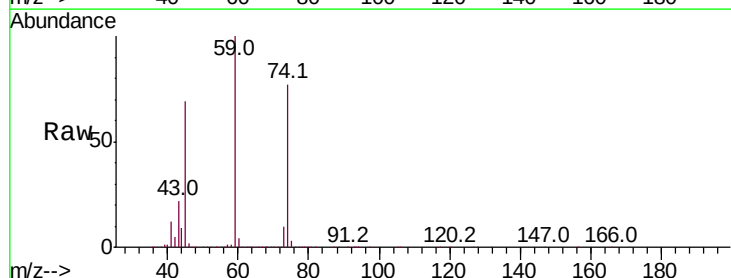
MMDadoda
6/27/2019 10:11:43 AM

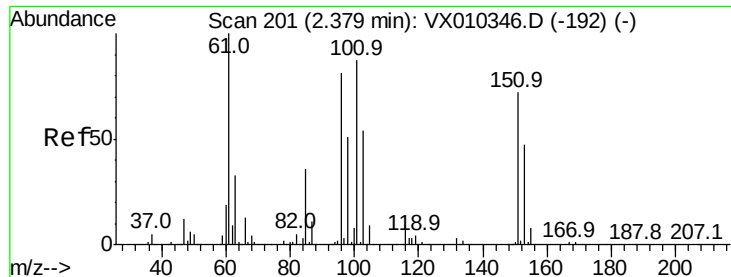


#8

Diethyl Ether
Concen: 51.028 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.2	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.578 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

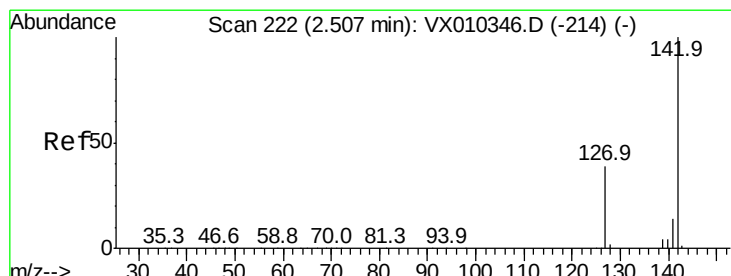
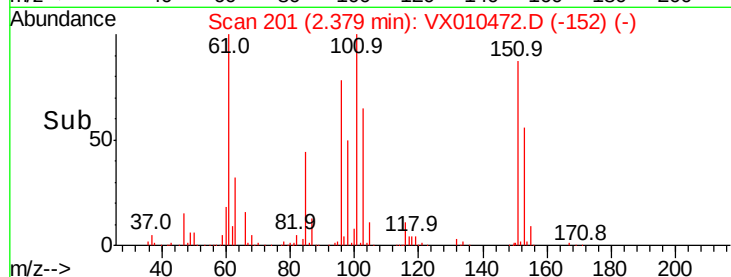
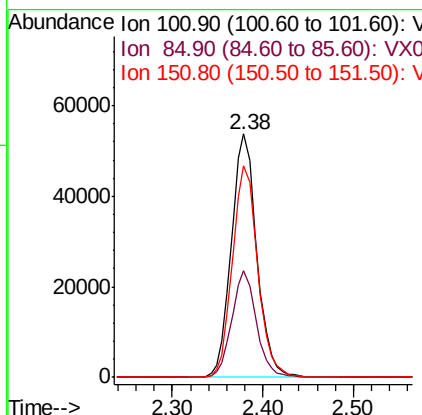
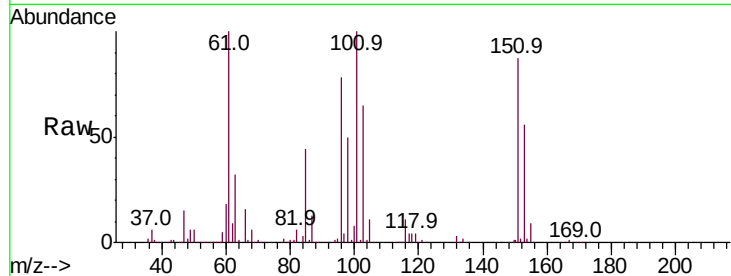
ClientSampleId :

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Tot Ion:	101	Resp:	104430
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.7	50.5
151	86.9	70.1	105.1

Manual Integrations
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#10

Methyl Iodide

Concen: 49.904 ug/l

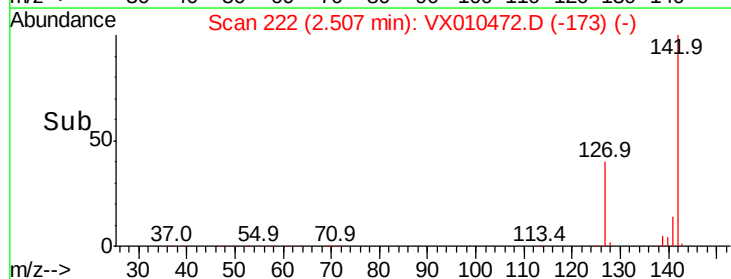
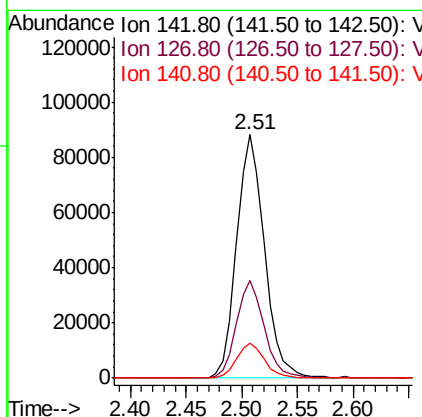
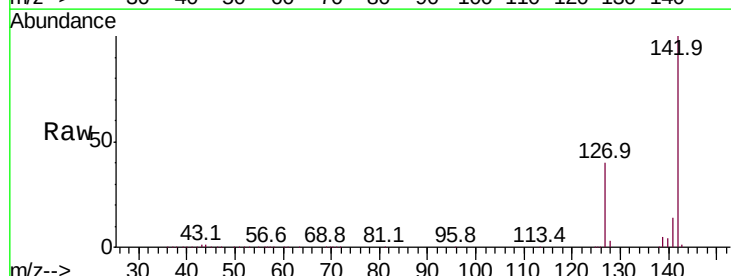
RT: 2.51 min Scan# 222

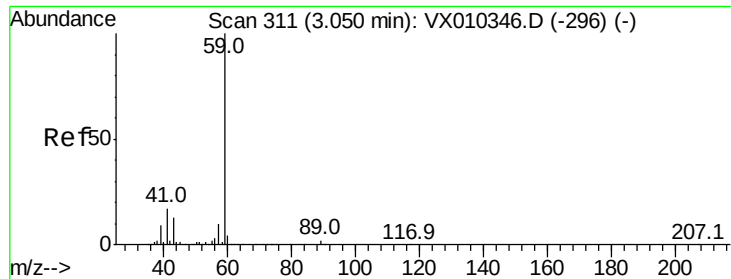
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	142	Resp:	153104
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.1	46.7
141	14.4	11.2	16.8





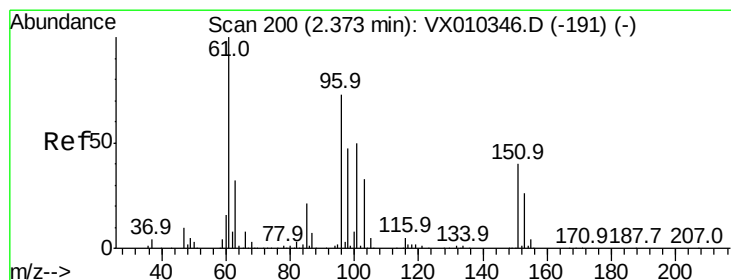
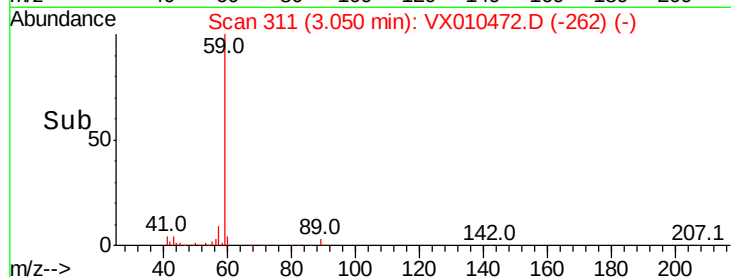
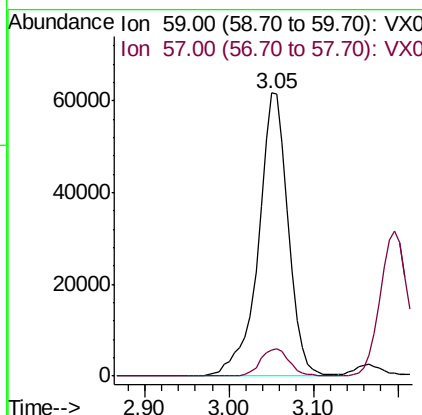
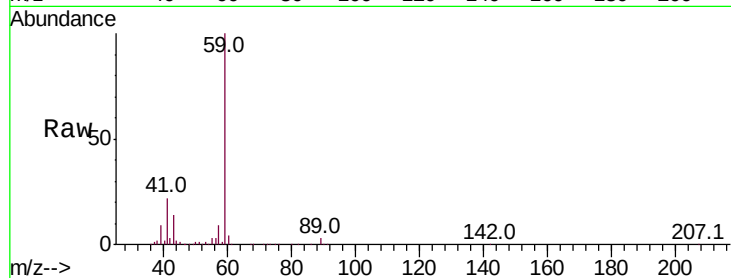
#11
Tert butyl alcohol
Concen: 242.379 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 59 Resp: 150071
Ion Ratio Lower Upper
59 100
57 9.6 7.7 11.5

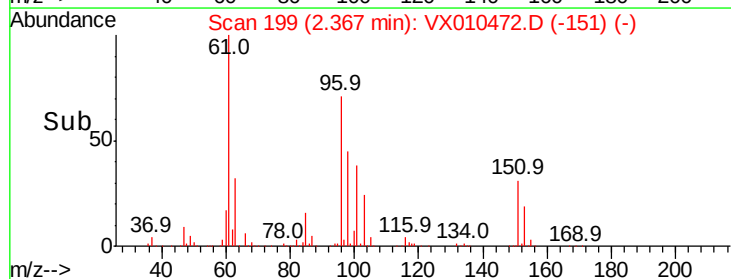
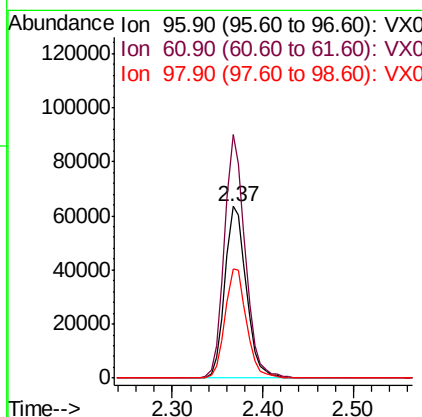
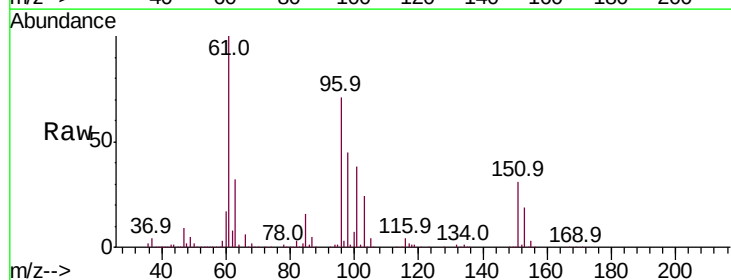
Manual Integrations
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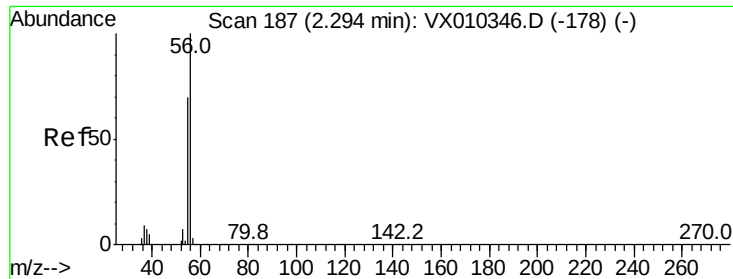
MMDadoda
6/27/2019 10:11:43 AM



#12
1,1-Dichloroethene
Concen: 47.843 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 96 Resp: 104655
Ion Ratio Lower Upper
96 100
61 141.8 109.2 163.8
98 63.3 51.1 76.7





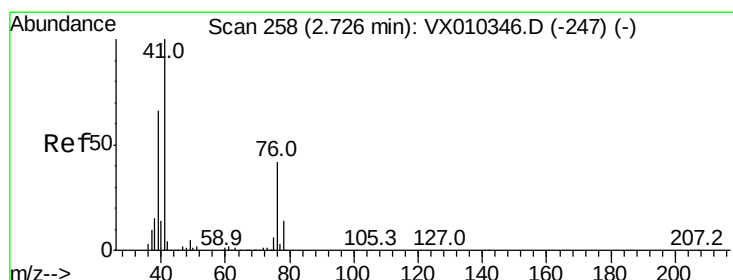
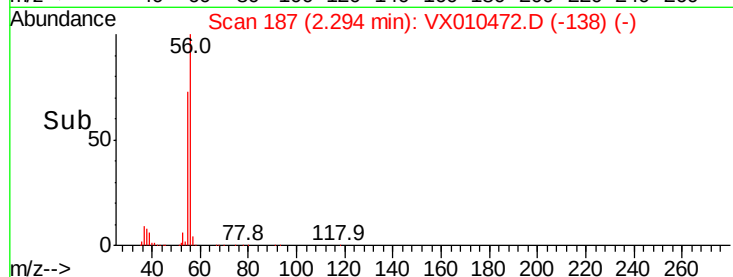
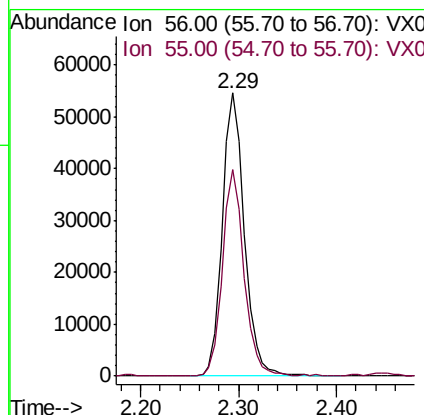
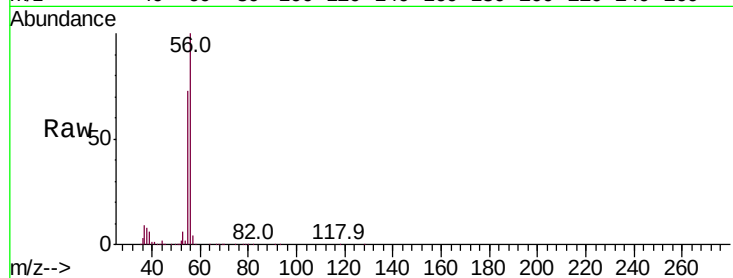
#13
Acrolein
Concen: 208.541 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	56	Resp	85655
Ion Ratio	100	Lower	Upper
56	100		
55	70.3	56.9	85.3

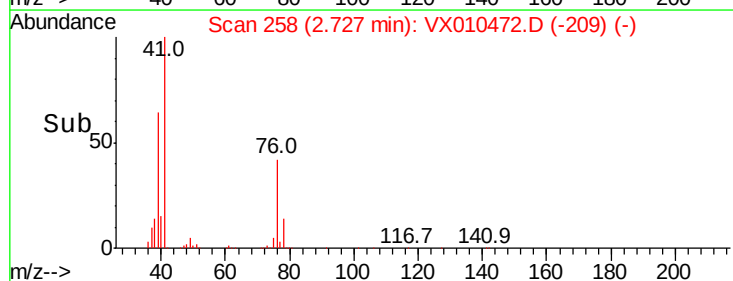
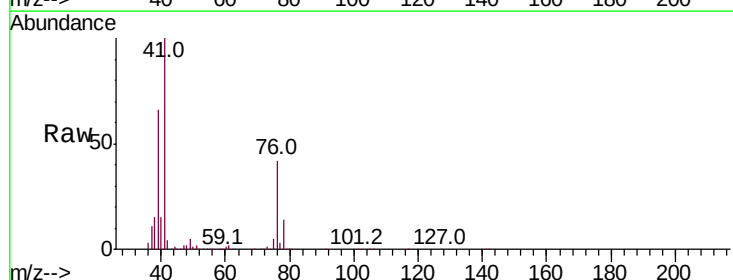
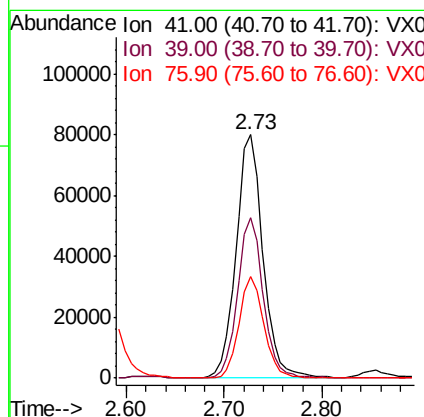
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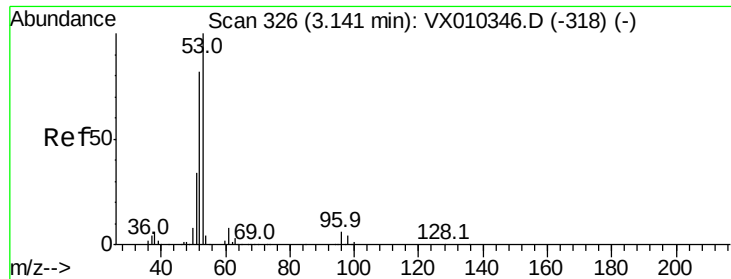
MMDadoda
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#14
Allyl chloride
Concen: 48.994 ug/l
RT: 2.73 min Scan# 258
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	41	Resp	152154
Ion Ratio	100	Lower	Upper
41	100		
39	62.5	50.3	75.5
76	38.7	31.3	46.9





#15

Acrylonitrile

Concen: 254.814 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

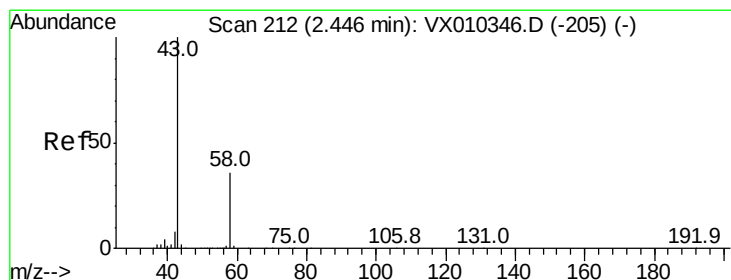
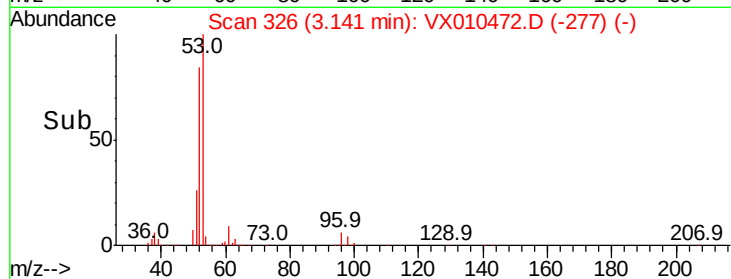
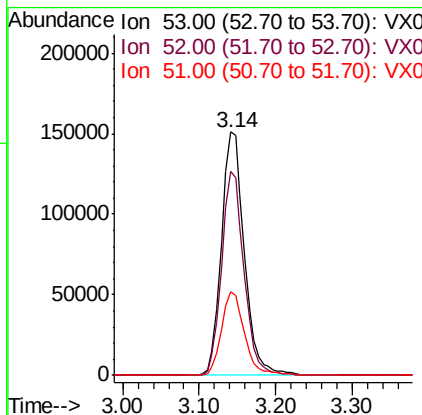
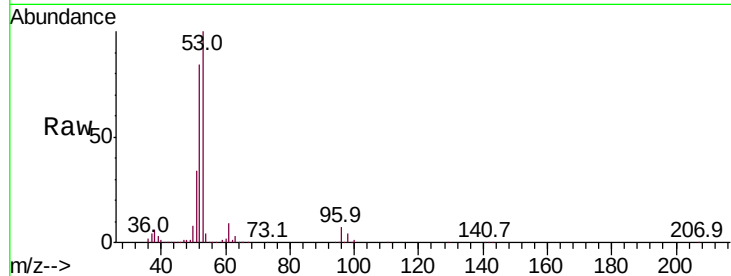
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	53	Resp:	312367
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.5	98.3
51	34.5	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 206.644 ug/l

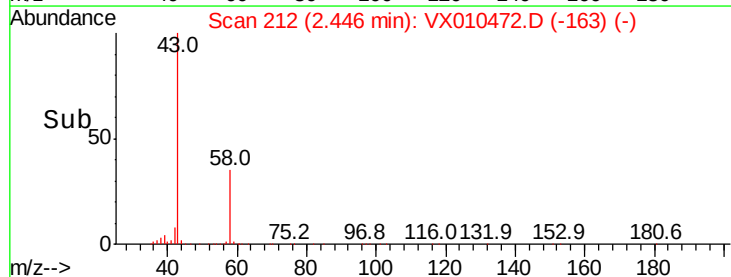
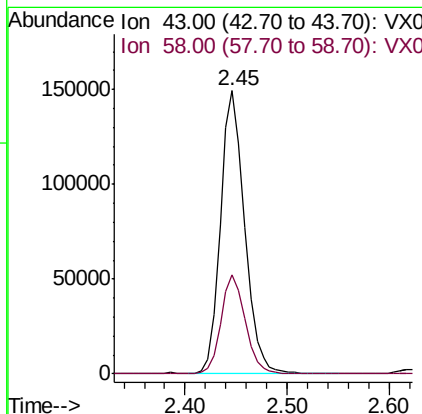
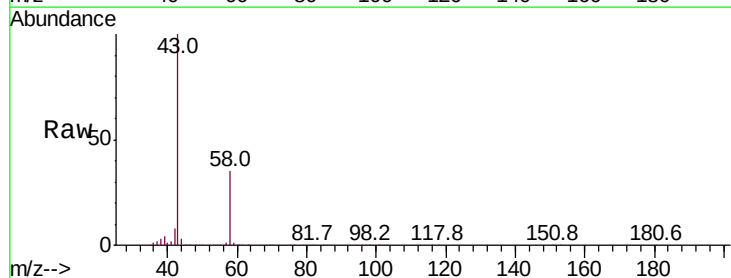
RT: 2.45 min Scan# 212

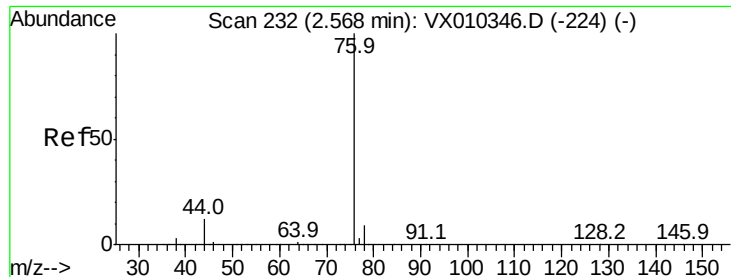
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	43	Resp:	245053
Ion Ratio	Lower	Upper	
43	100		
58	35.1	28.9	43.3





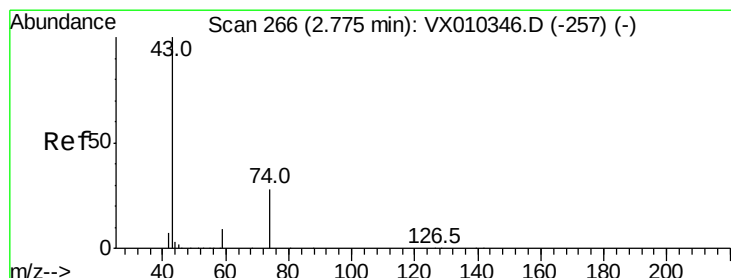
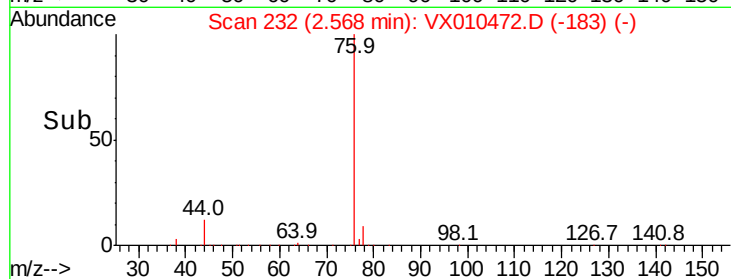
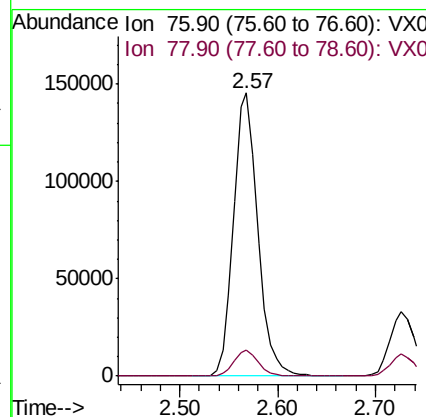
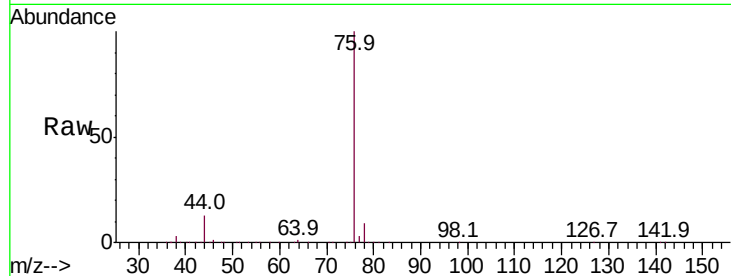
#17
Carbon Disulfide
Concen: 42.803 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

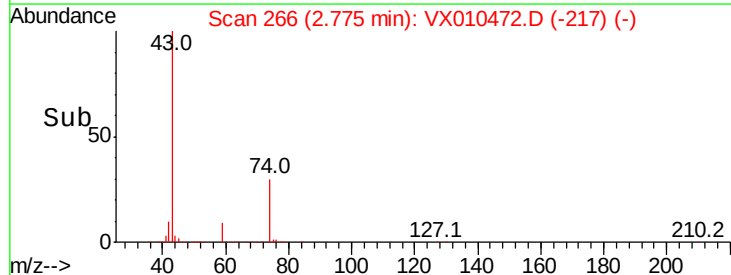
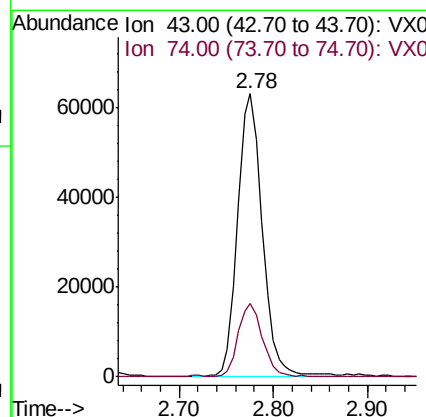
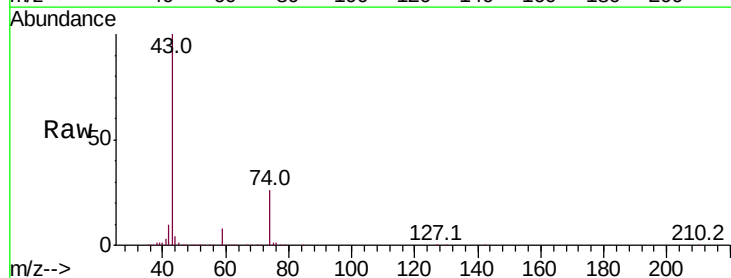
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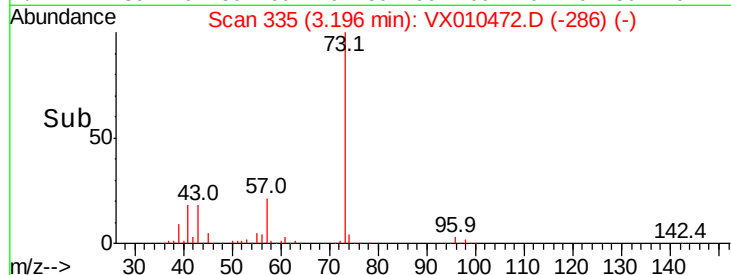
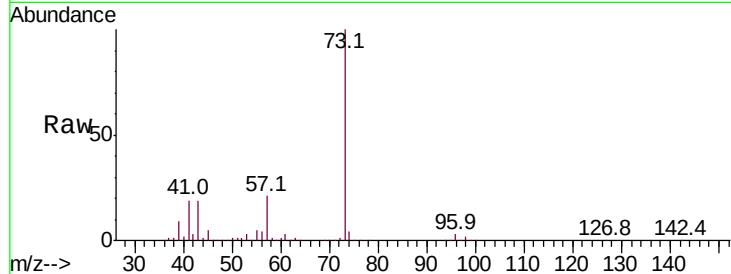
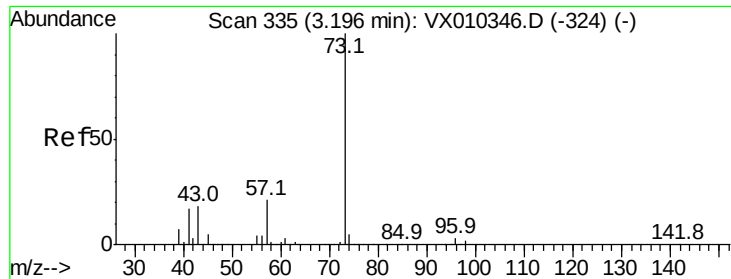
MMDadoda
6/27/2019 10:11:43 AM



#18
Methyl Acetate
Concen: 48.629 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	21.3	31.9





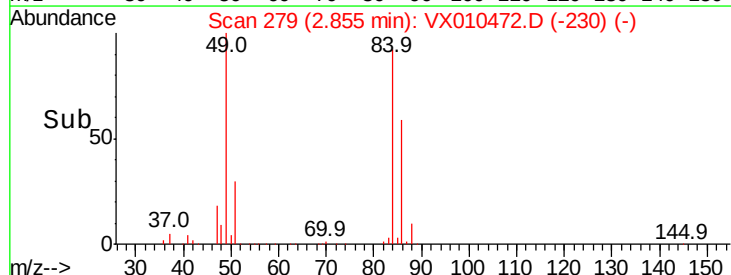
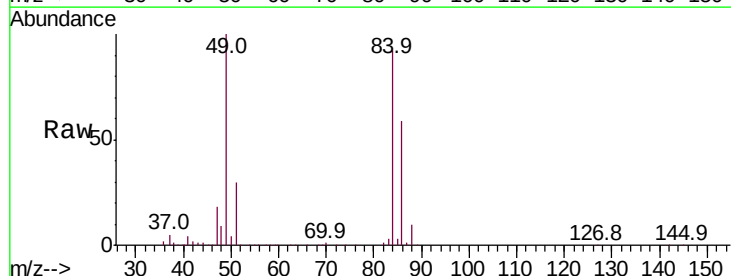
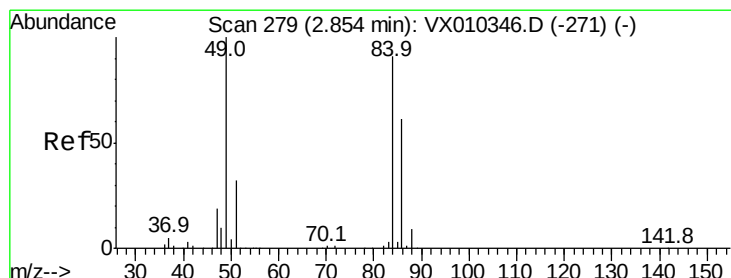
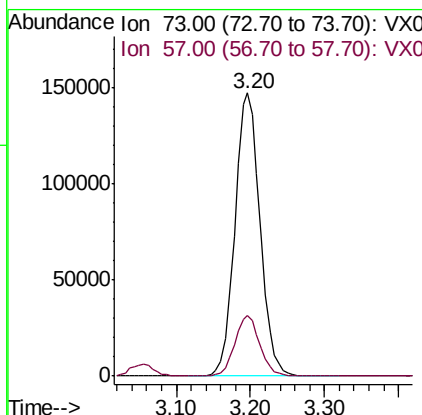
#19
Methyl tert-butyl Ether
Concen: 50.349 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tot Ion: 73 Resp: 346483
Ion Ratio Lower Upper
73 100
57 21.5 16.4 24.6

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

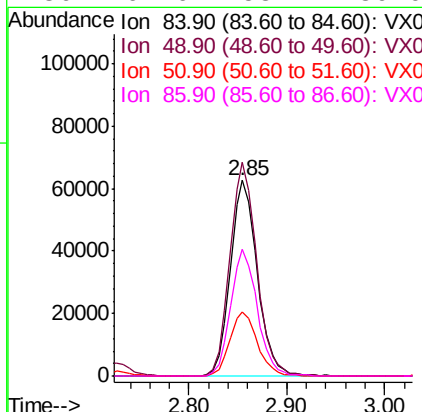
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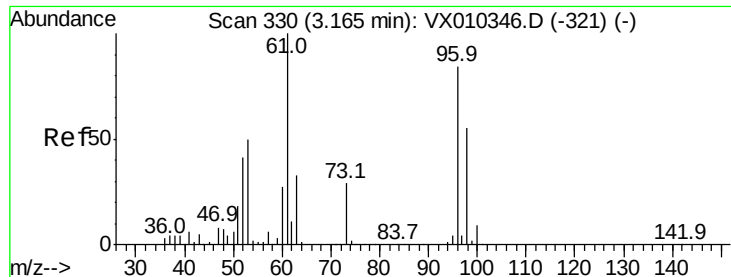
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#20
Methylene Chloride
Concen: 48.997 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 84 Resp: 119575
Ion Ratio Lower Upper
84 100
49 109.1 87.5 131.3
51 32.8 27.7 41.5
86 64.6 53.4 80.0





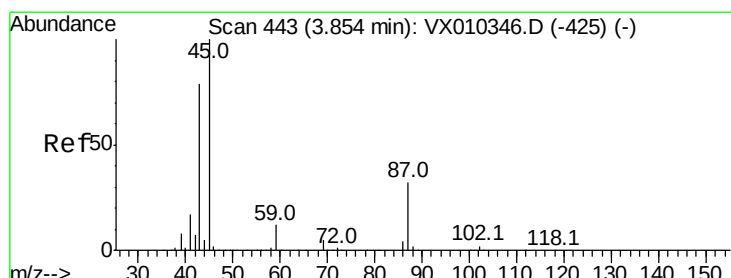
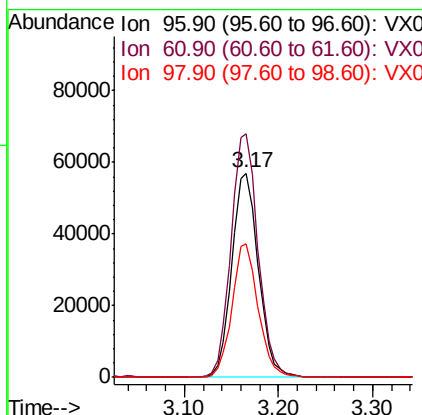
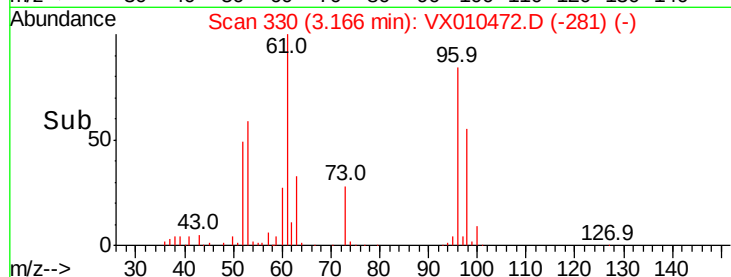
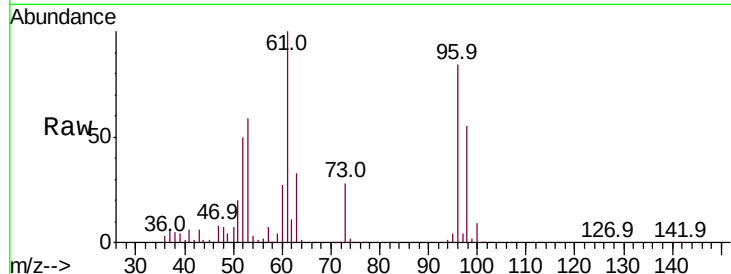
#21
trans-1,2-Dichloroethene
Concen: 47.832 ug/l
RT: 3.17 min Scan# 330
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.2	95.6	143.4
98	65.1	52.5	78.7

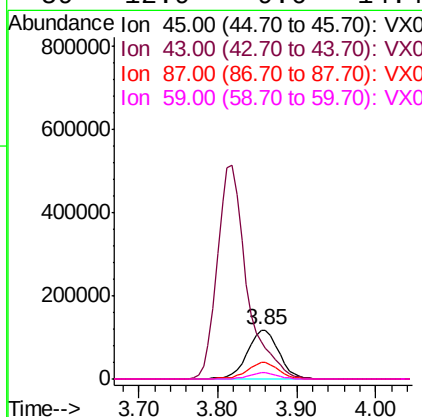
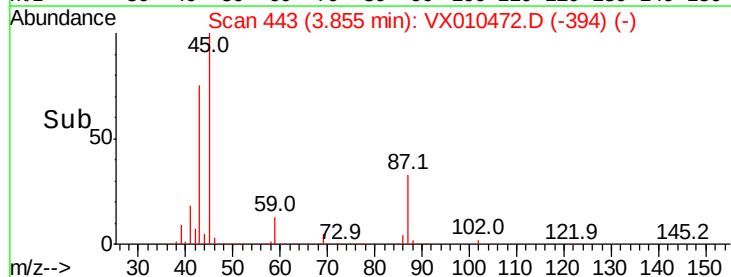
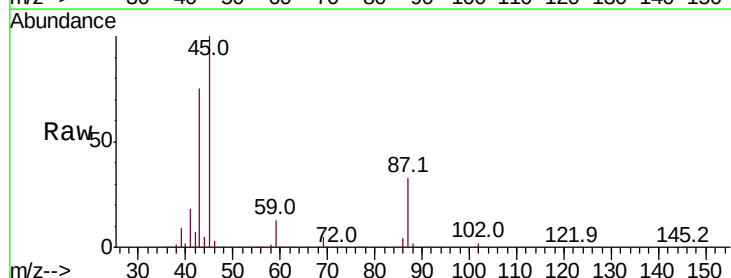
Manual Integrations
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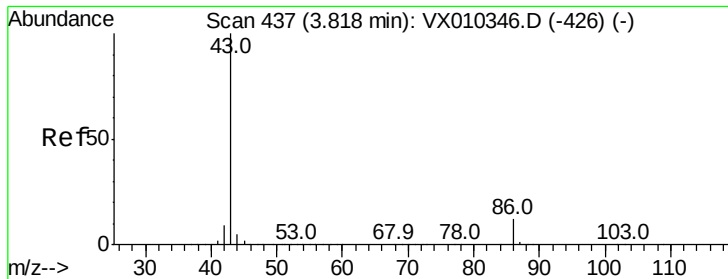
MMDadoda
6/27/2019 10:11:43 AM



#22
Diisopropyl ether
Concen: 50.113 ug/l
RT: 3.85 min Scan# 443
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.0	63.3	94.9
87	32.6	25.8	38.8
59	12.9	9.6	14.4





#23

Vinyl Acetate

Concen: 239.741 ug/l

RT: 3.82 min Scan# 437

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 1344779

Ion Ratio Lower Upper

43 100

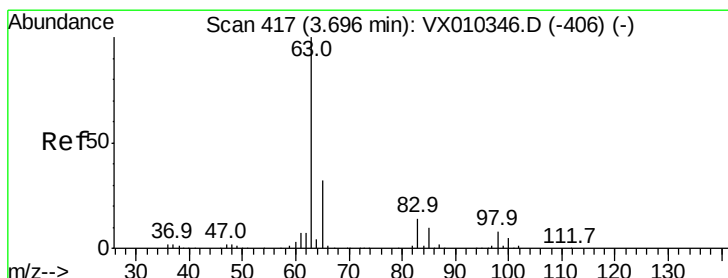
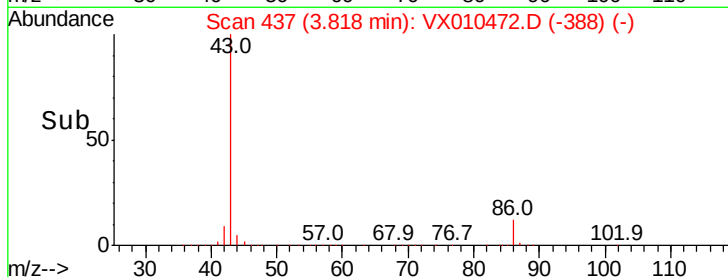
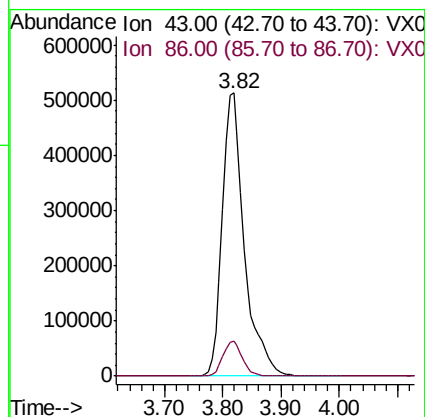
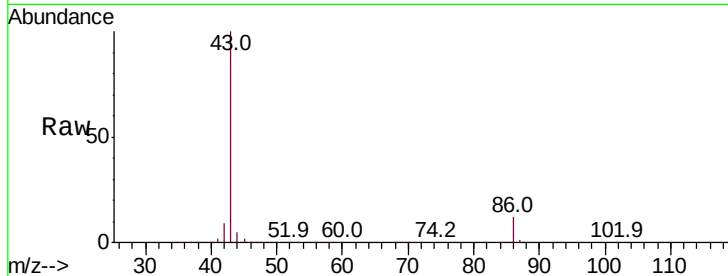
86 12.3 9.9 14.9

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#24

1,1-Dichloroethane

Concen: 50.012 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

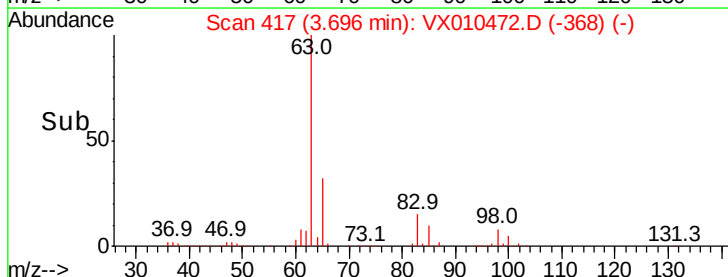
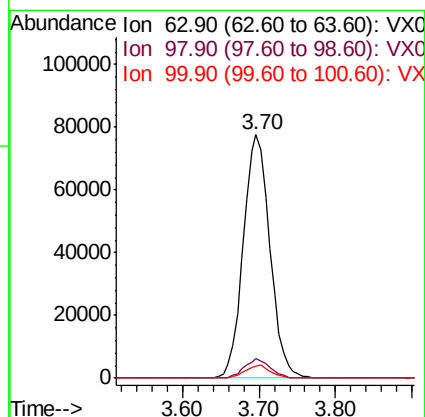
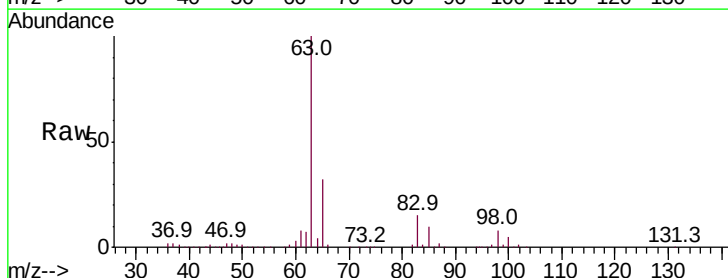
Tgt Ion: 63 Resp: 187705

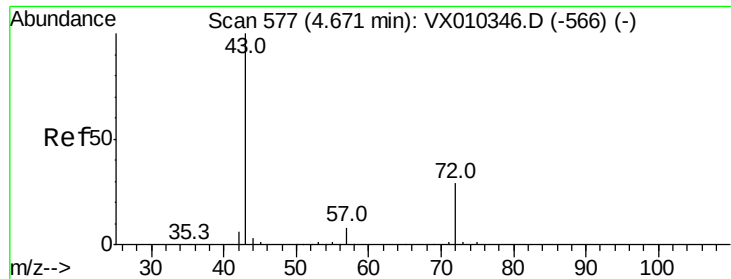
Ion Ratio Lower Upper

63 100

98 8.0 3.9 11.7

100 5.0 2.4 7.1





#25

2-Butanone

Concen: 240.400 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 418181

Ion Ratio Lower Upper

43 100

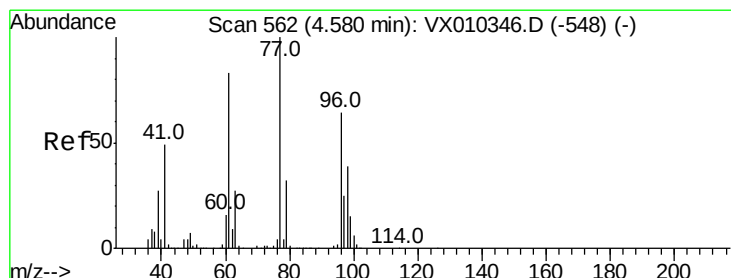
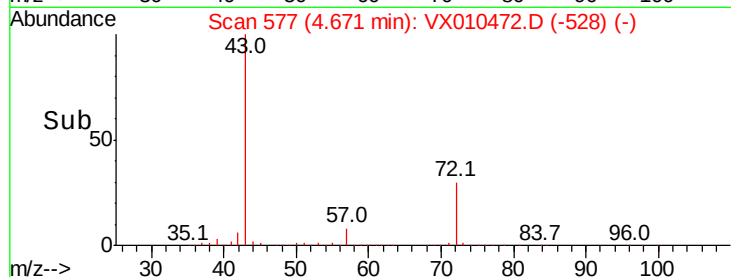
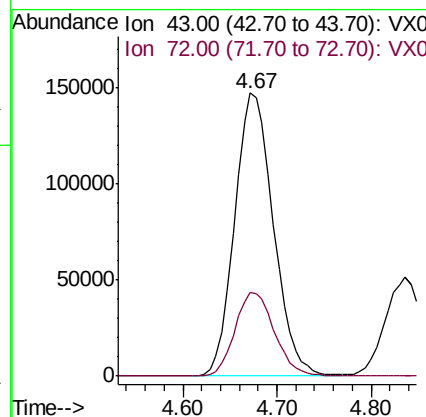
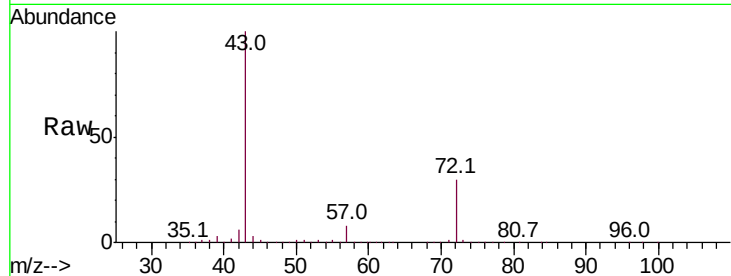
72 29.6 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.091 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX010472.D

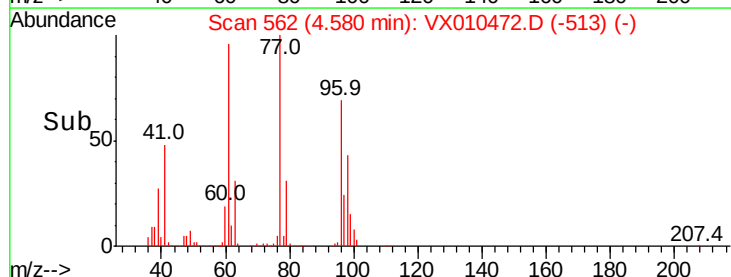
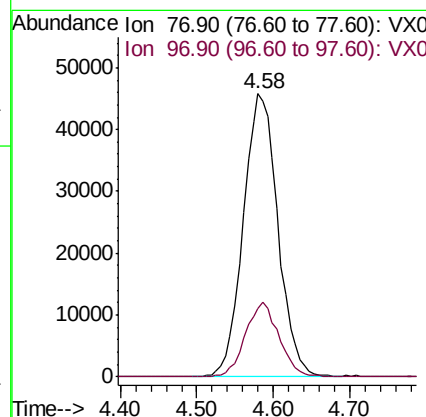
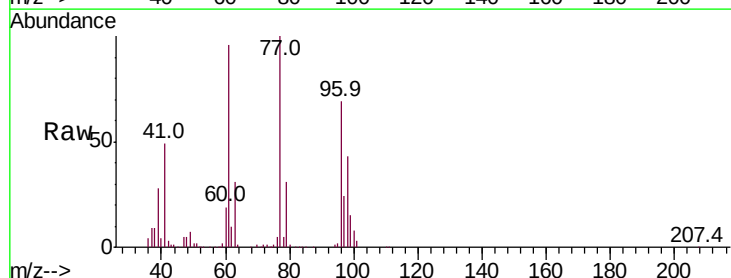
Acq: 26 Jun 2019 18:53

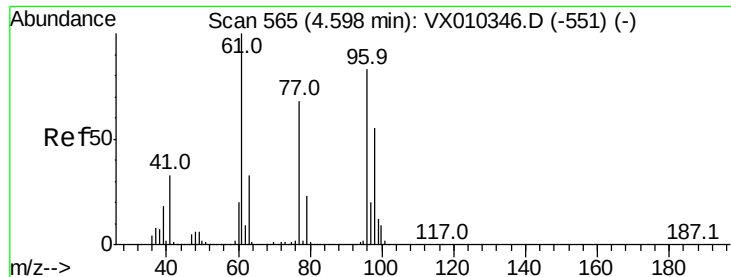
Tgt Ion: 77 Resp: 143753

Ion Ratio Lower Upper

77 100

97 25.5 13.1 39.3





#27

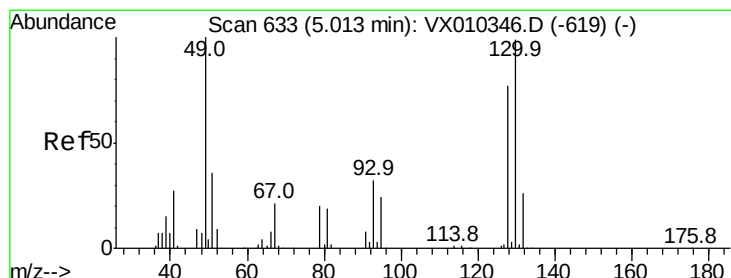
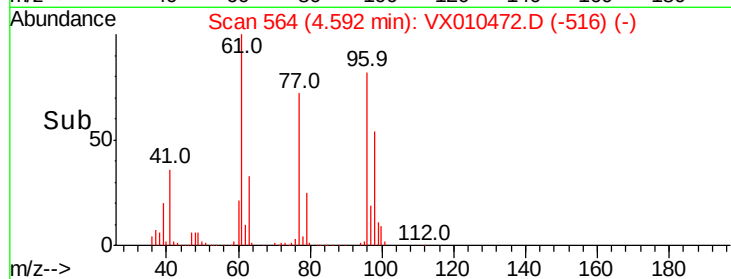
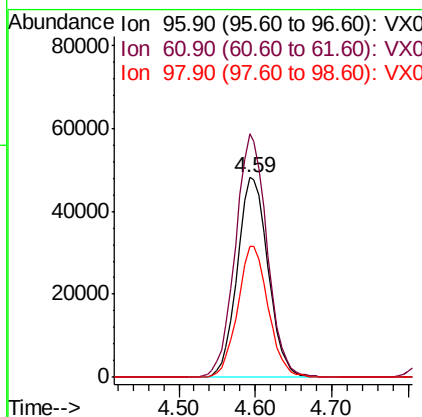
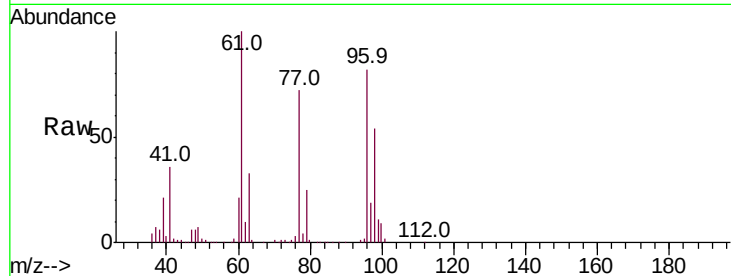
cis-1,2-Dichloroethene
Concen: 49.684 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	135075		
61	124.8	0.0	251.8	
98	65.1	0.0	129.4	

Manual Integrations
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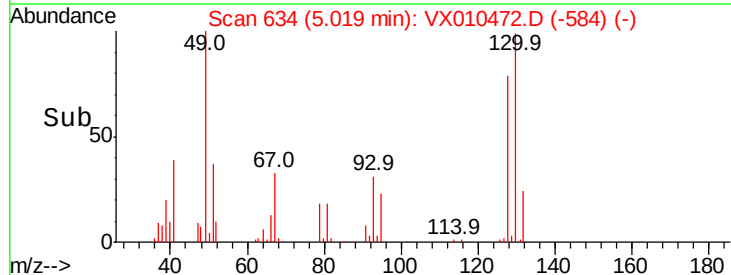
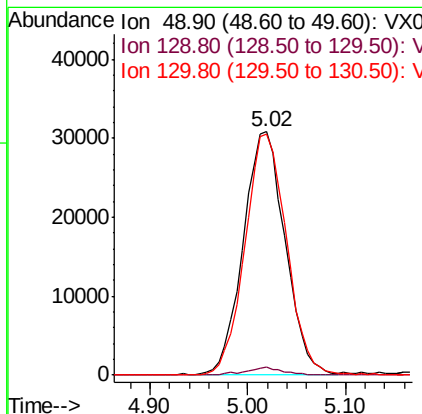
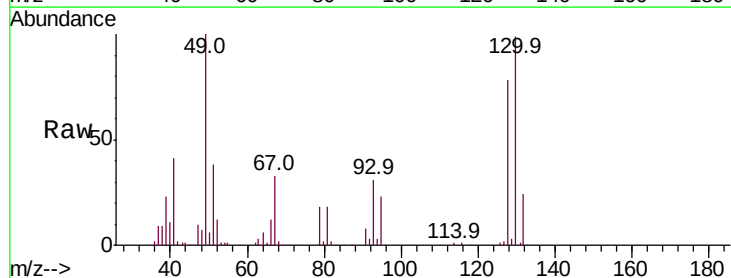
MMDadoda
6/27/2019 10:11:43 AM

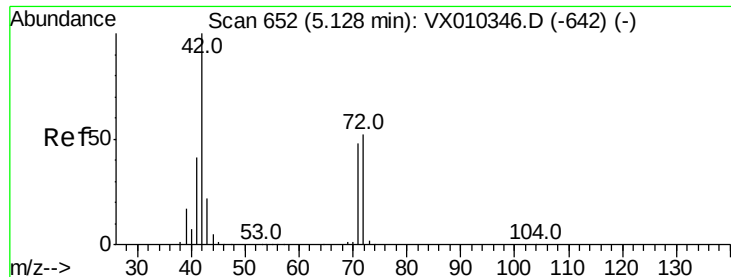


#28

Bromochloromethane
Concen: 50.884 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	91311		
129	2.8	0.0	5.6	
130	98.9	81.4	122.0	





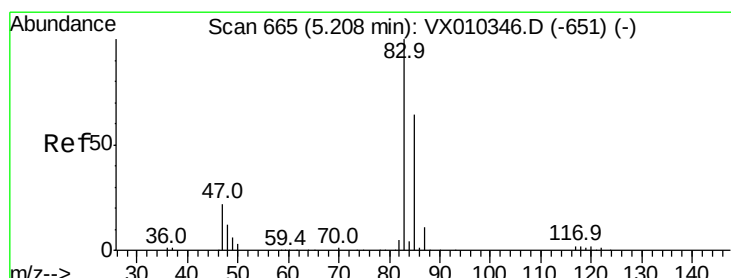
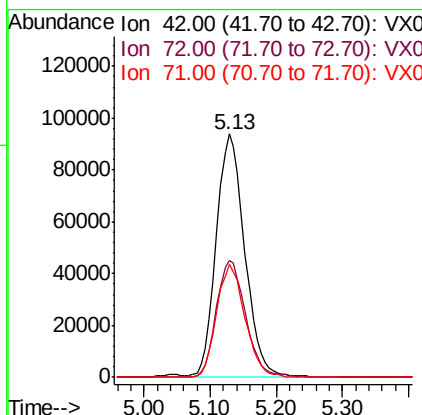
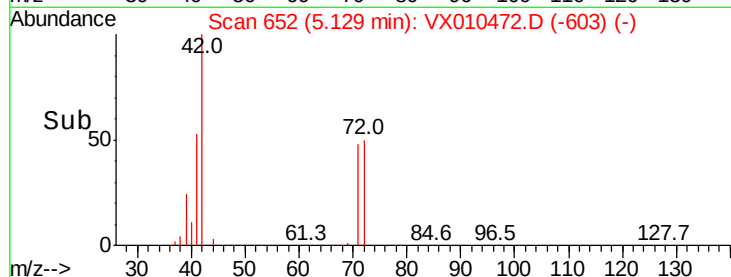
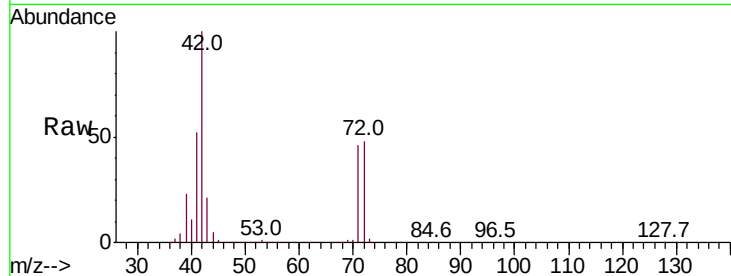
#29
Tetrahydrofuran
Concen: 258.830 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	40.6	60.8
71	46.4	37.8	56.8

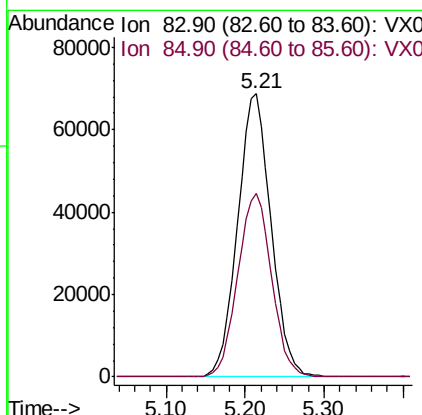
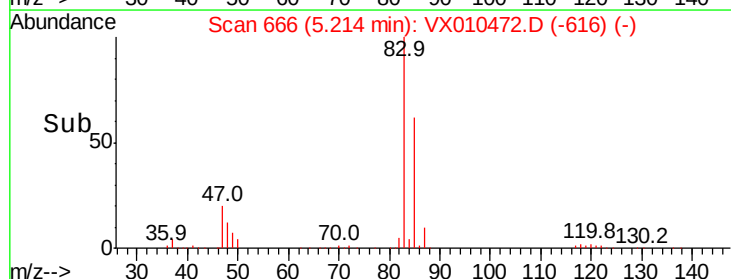
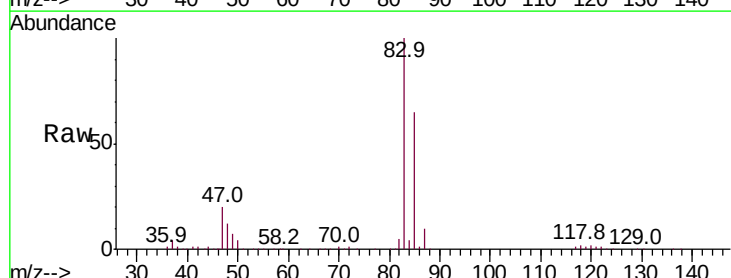
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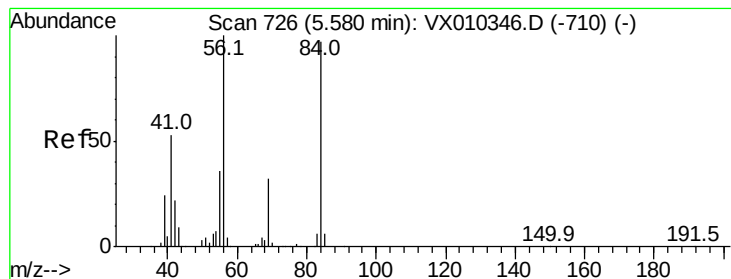
MMDadoda
6/27/2019 10:11:43 AM



#30
Chloroform
Concen: 50.130 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3





#31

Cyclohexane

Concen: 48.651 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

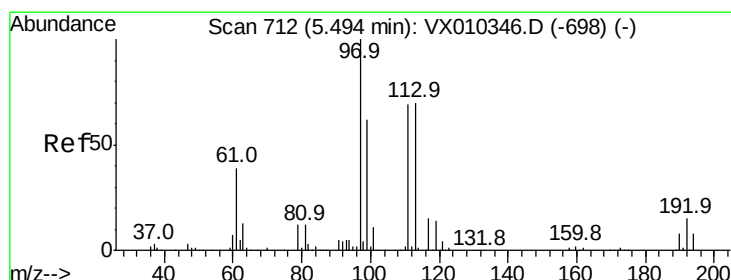
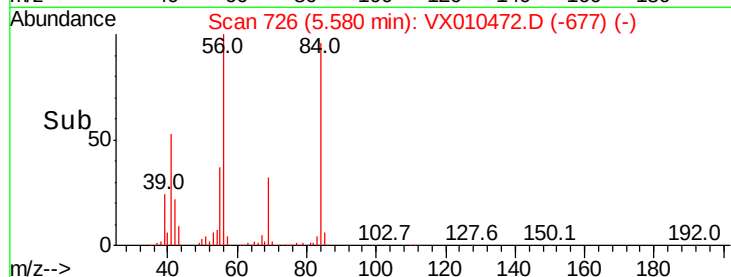
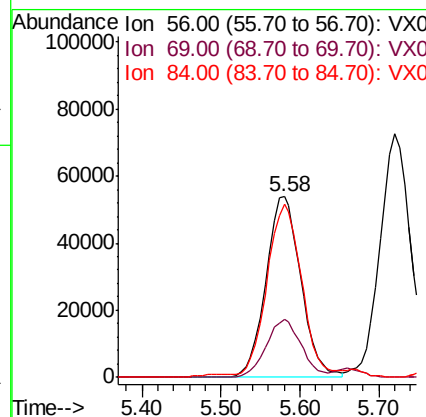
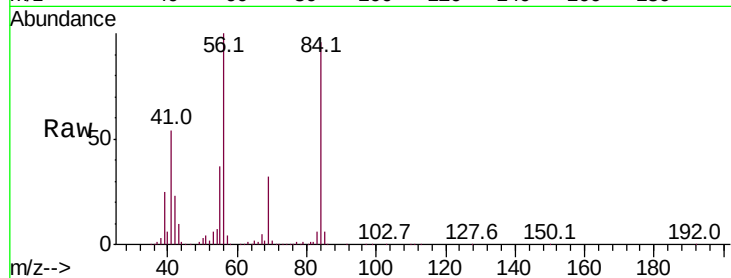
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	56	Resp:	166282
Ion Ratio	Lower	Upper	
56	100		
69	32.0	25.9	38.9
84	95.3	78.0	117.0

Manual Integrations
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6/27/2019 10:11:43 AM



#32

1,1,1-Trichloroethane

Concen: 50.028 ug/l

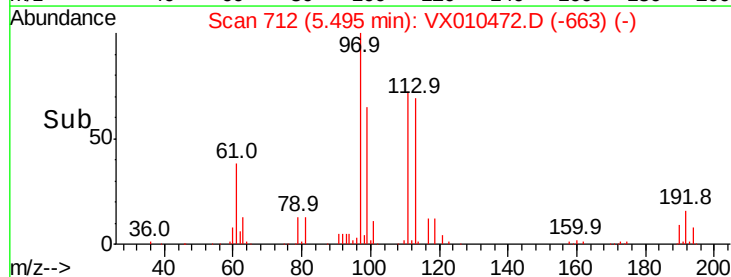
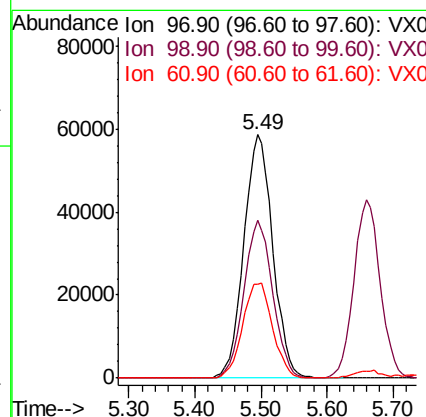
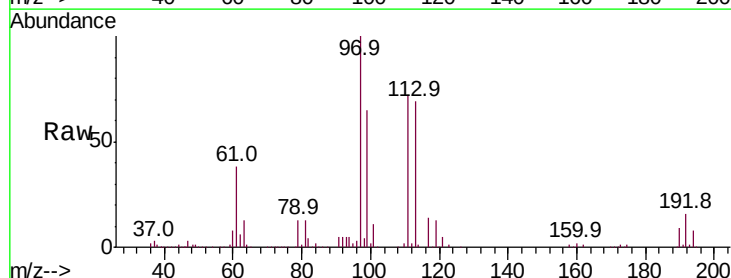
RT: 5.49 min Scan# 712

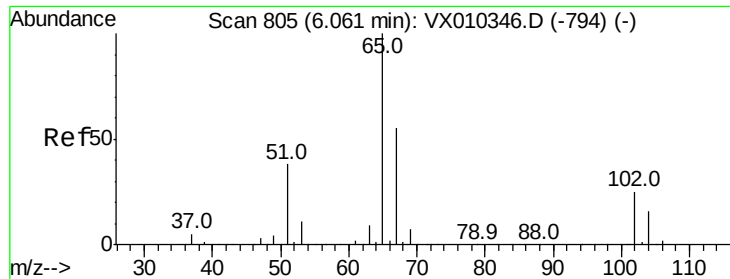
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	97	Resp:	178388
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.8	77.8
61	40.3	32.1	48.1





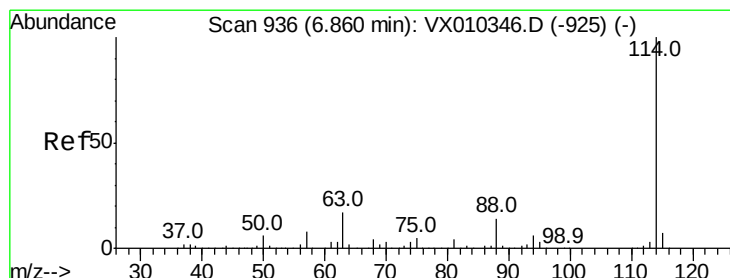
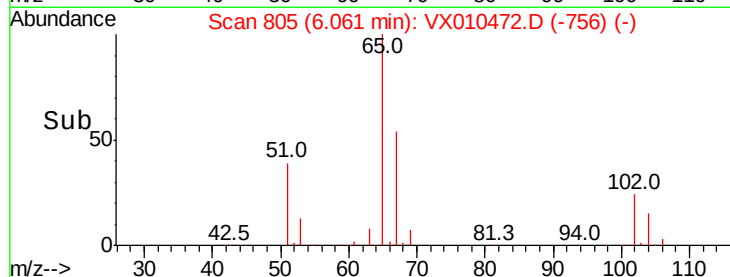
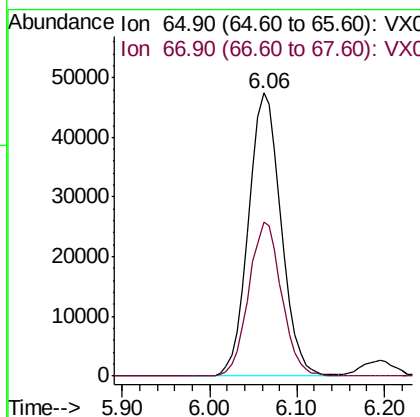
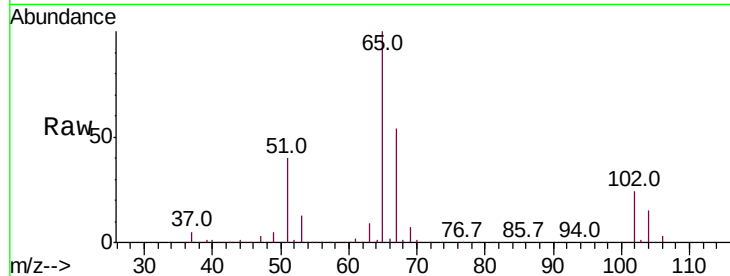
#33
 1,2-Dichloroethane-d4
 Concen: 52.132 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	110.2

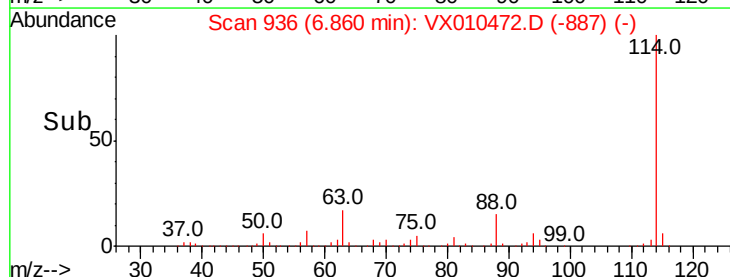
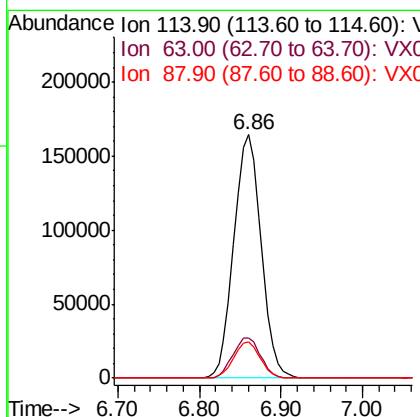
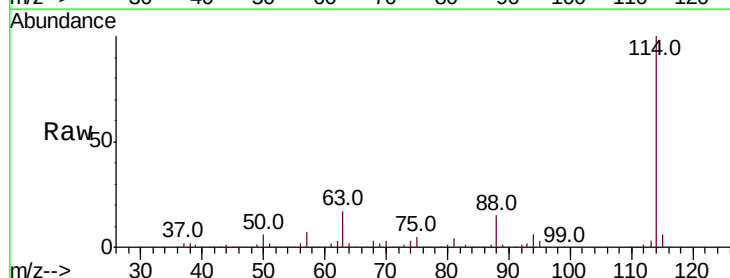
Manual Integrations
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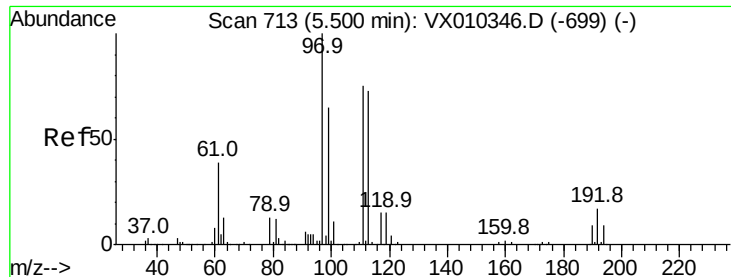
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	33.8
88	14.8	0.0	27.6





#35

Dibromofluoromethane

Concen: 51.230 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

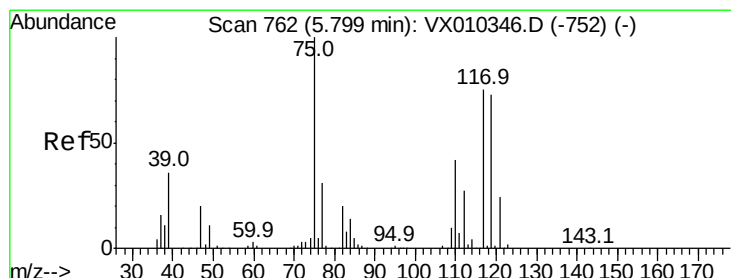
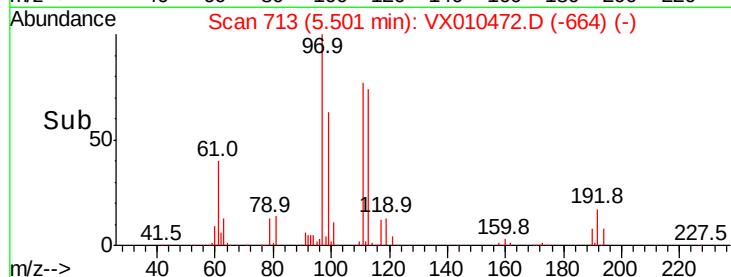
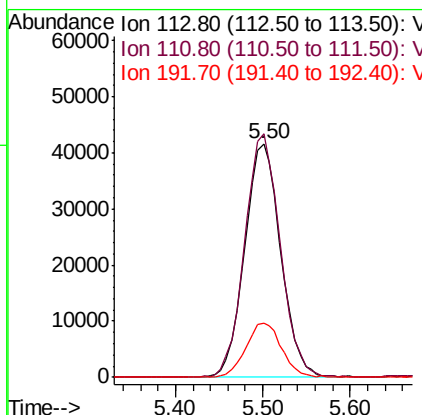
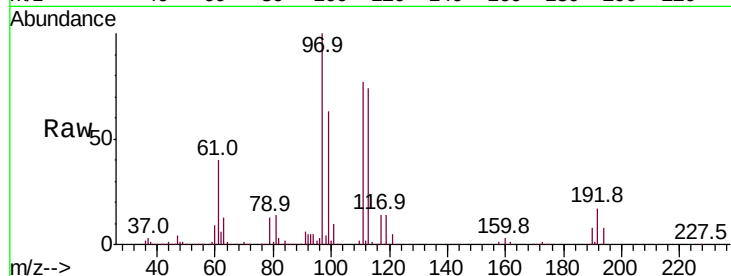
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	113	Resp:	119293
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.2	121.8
192	23.1	18.6	27.8

Manual Integrations
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6/27/2019 10:11:43 AM



#36

1,1-Dichloropropene

Concen: 48.362 ug/l

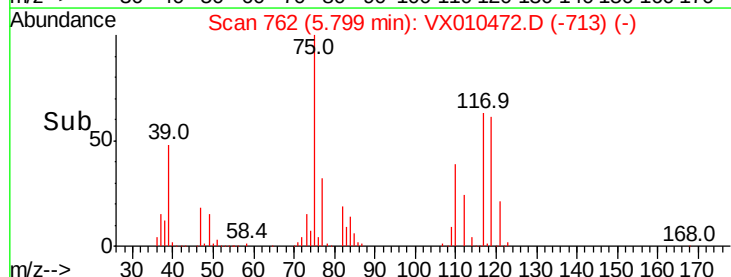
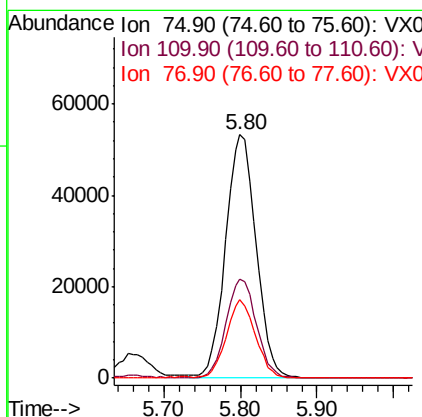
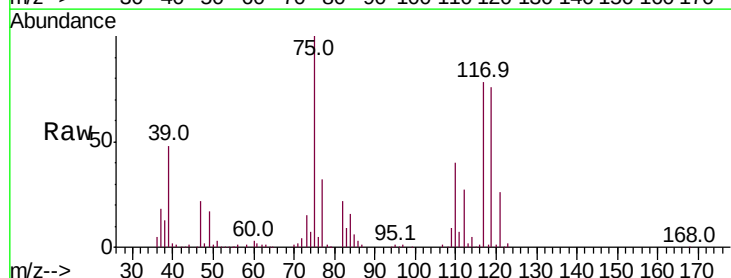
RT: 5.80 min Scan# 762

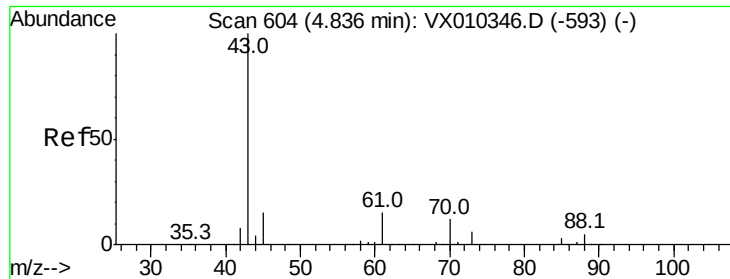
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	75	Resp:	146265
Ion Ratio	Lower	Upper	
75	100		
110	40.7	20.8	62.2
77	30.5	25.4	38.0





#37

Ethyl Acetate

Concen: 48.469 ug/l

RT: 4.84 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

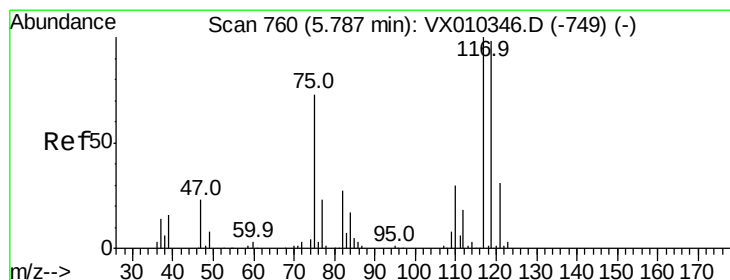
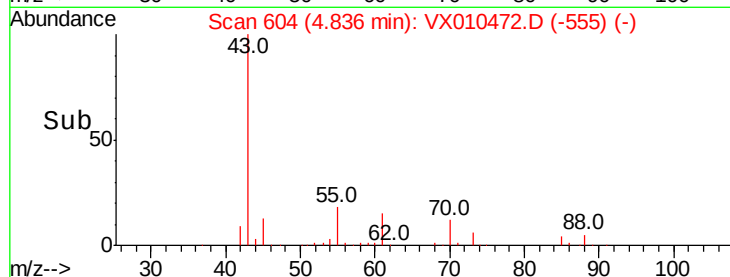
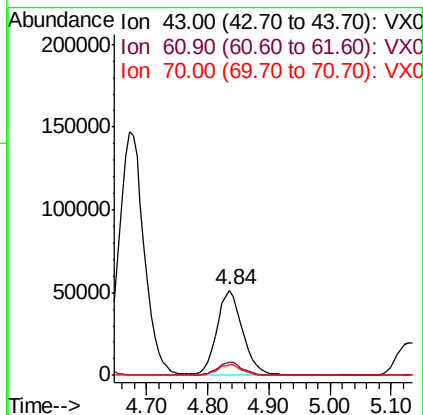
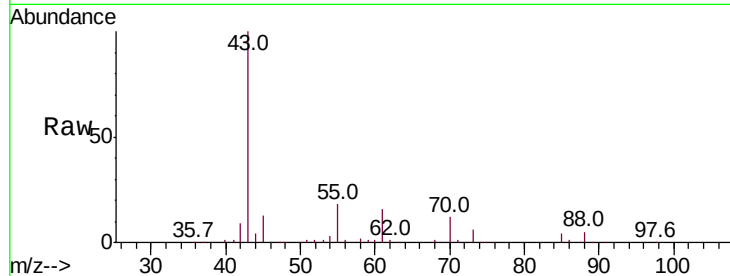
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	43	Resp	150805
Ion Ratio	Lower	Upper	
43	100		
61	15.5	12.4	18.6
70	12.0	9.8	14.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 48.980 ug/l

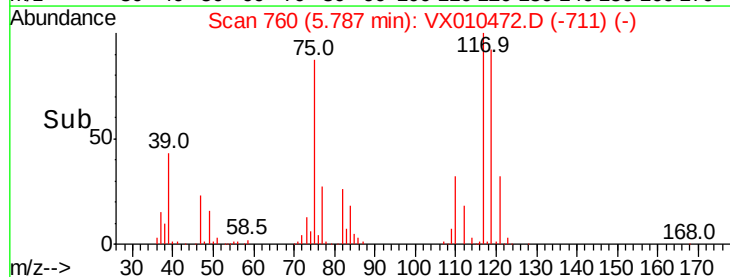
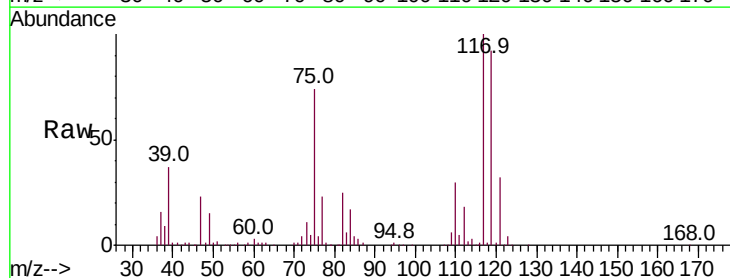
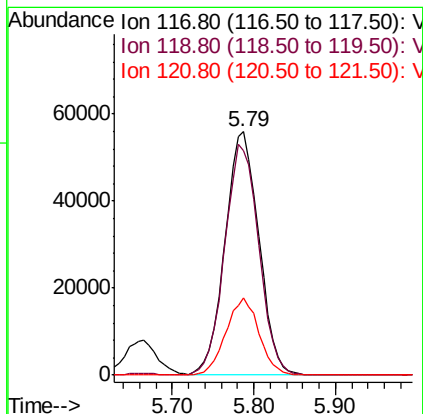
RT: 5.79 min Scan# 760

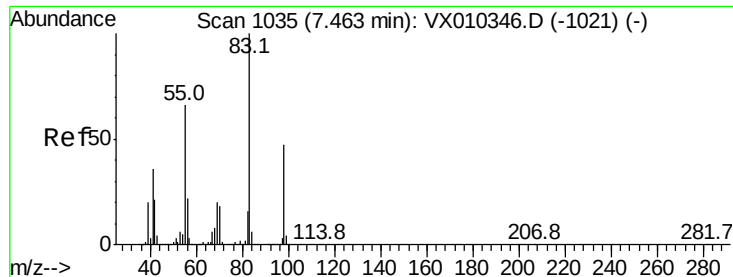
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion	117	Resp	160408
Ion Ratio	Lower	Upper	
117	100		
119	92.2	78.2	117.4
121	31.5	24.7	37.1





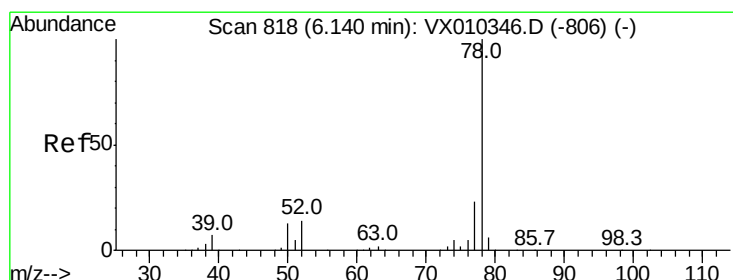
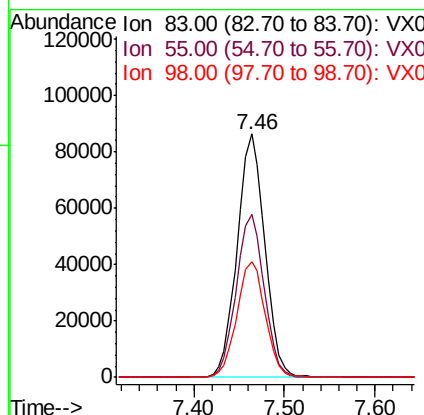
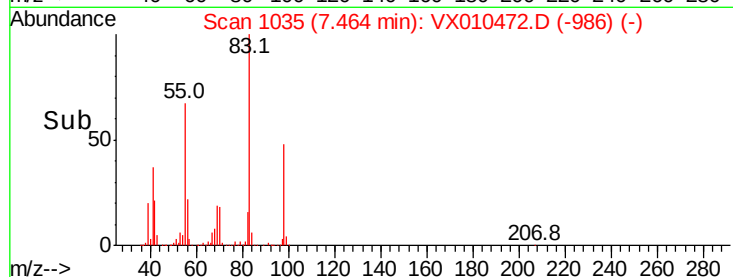
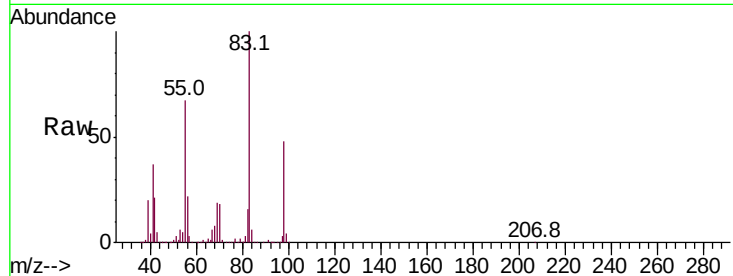
#39
Methylvlcyclohexane
Concen: 45.914 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	182529		
55	66.8		53.0	79.6
98	47.7		37.8	56.8

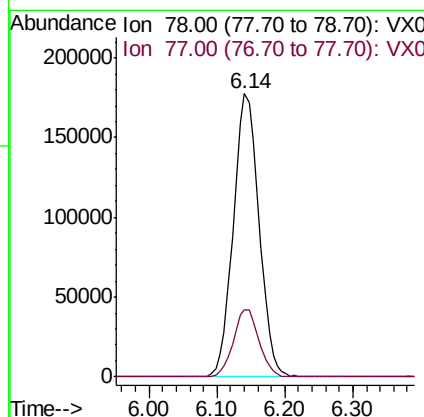
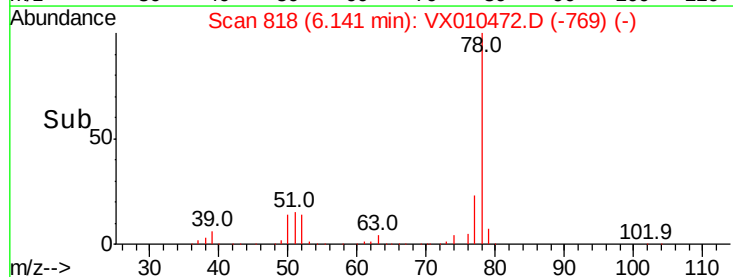
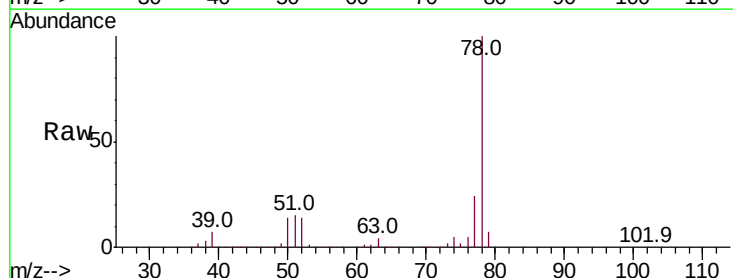
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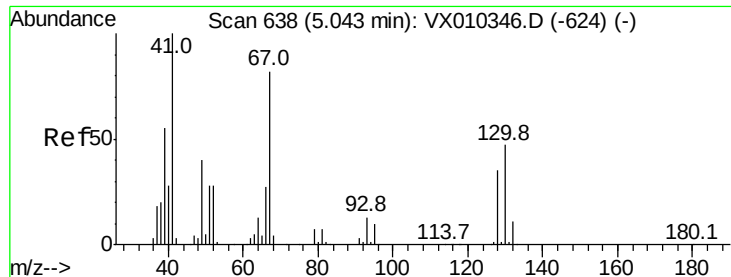
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#40
Benzene
Concen: 49.442 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	465859		
77	23.7		18.6	28.0





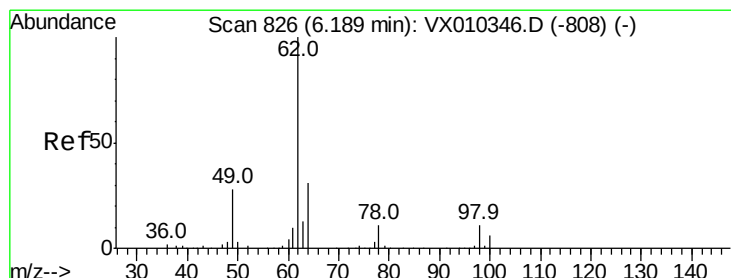
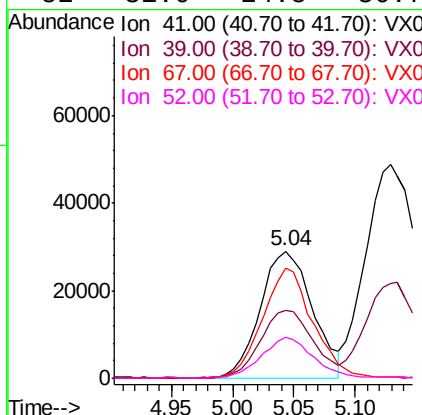
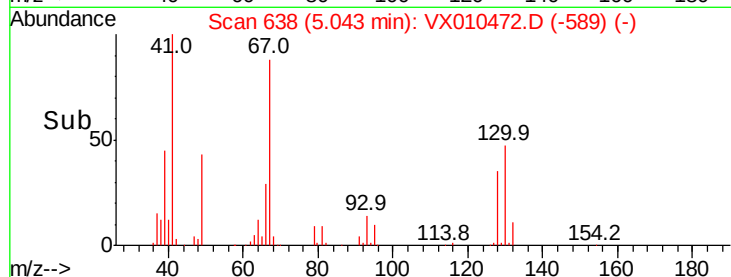
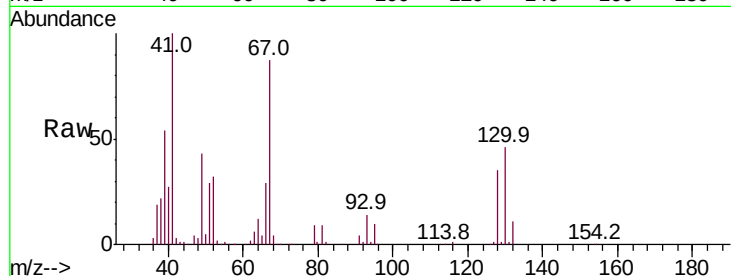
#41
Methacrylonitrile
Concen: 50.466 ug/l
RT: 5.04 min Scan# 638
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	43.8	65.8	
67	83.8	66.6	100.0	
52	31.0	24.5	36.7	

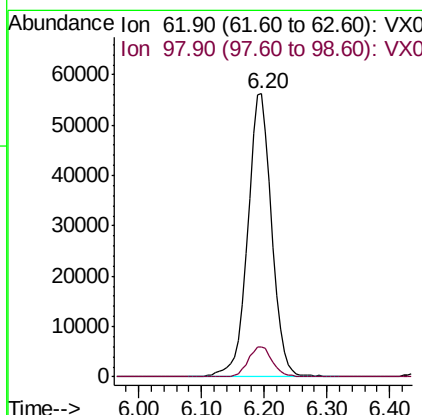
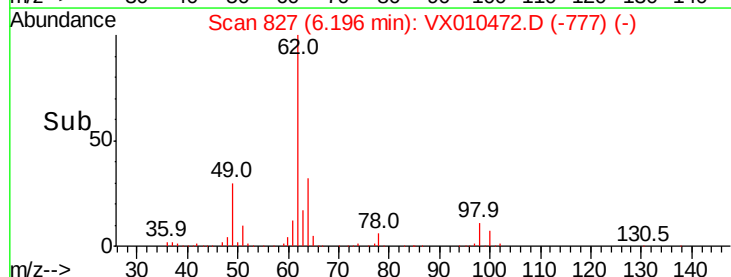
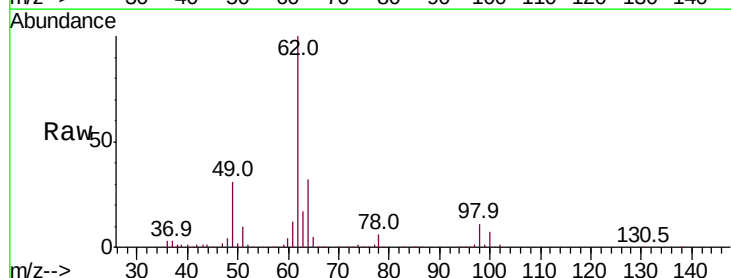
Manual Integrations
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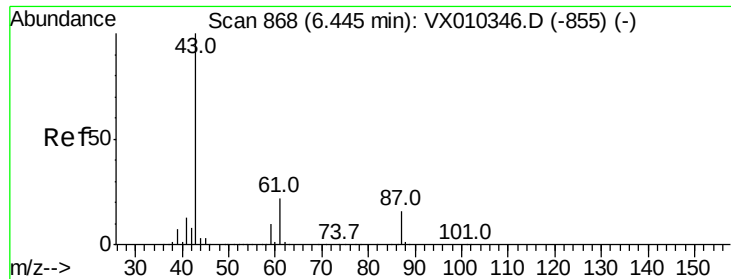
MMDadoda
6/27/2019 10:11:43 AM



#42
1,2-Dichloroethane
Concen: 51.693 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.7	0.0	22.2	





#43

Isopropyl Acetate

Concen: 48.252 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

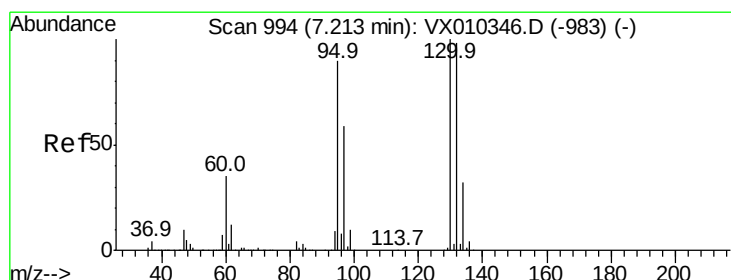
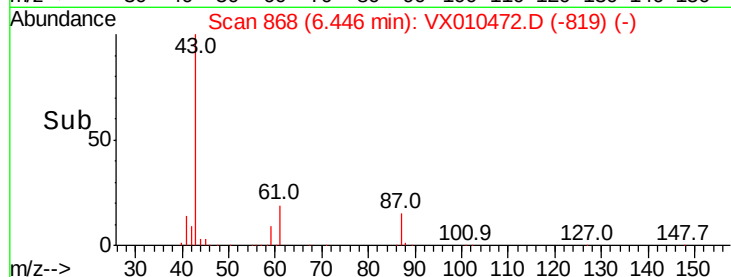
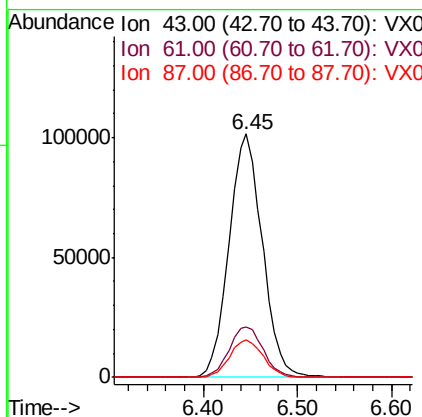
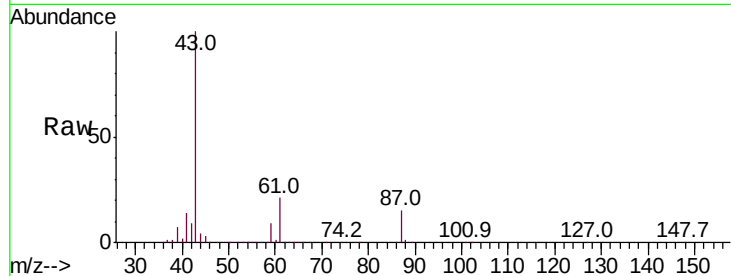
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	43	Resp:	248388
Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.8	26.6
87	15.7	13.0	19.4

Manual Integrations
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6/27/2019 10:11:43 AM



#44

Trichloroethene

Concen: 48.219 ug/l

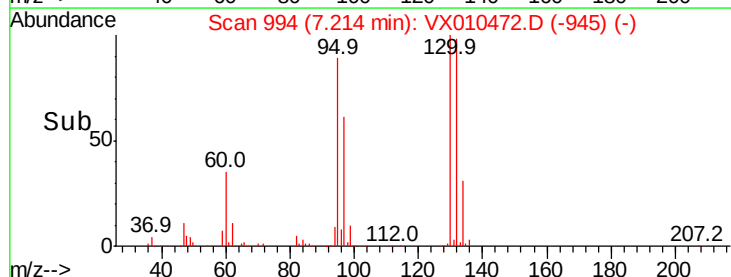
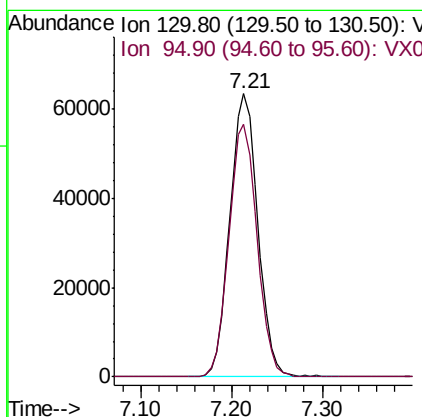
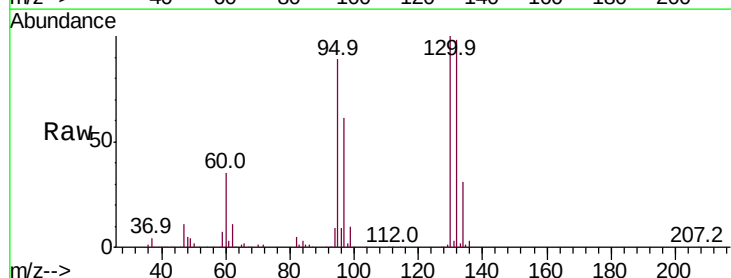
RT: 7.21 min Scan# 994

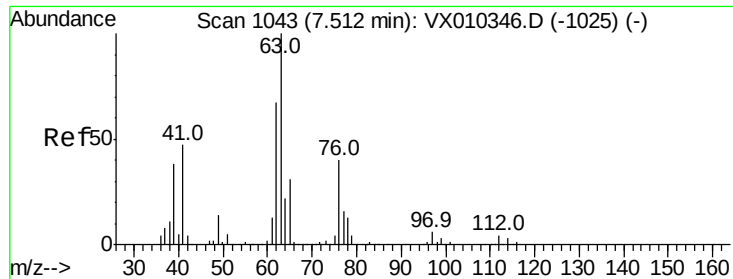
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	130	Resp:	135949
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	180.8





#45

1,2-Dichloropropane

Concen: 49.674 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 63 Resp: 118196

Ion Ratio Lower Upper

63 100

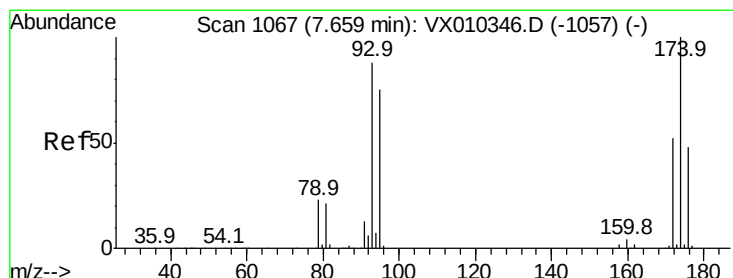
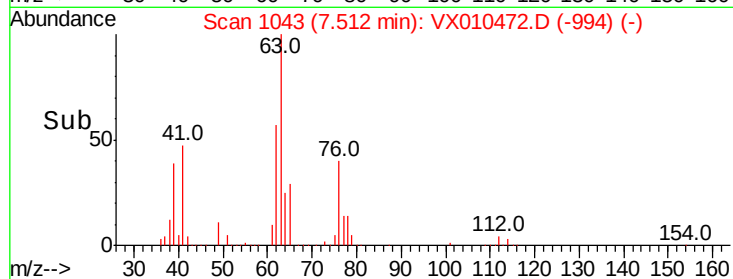
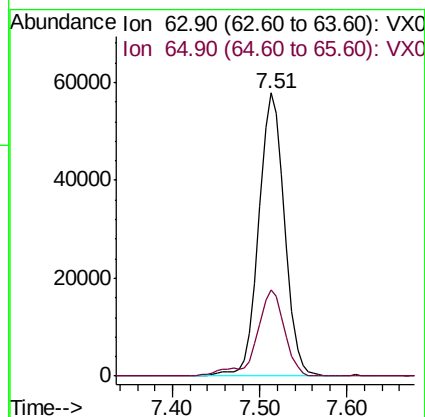
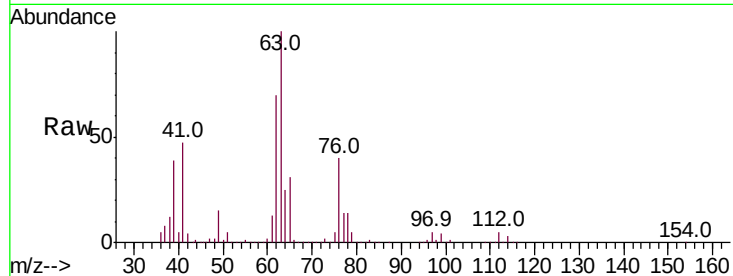
65 30.5 24.8 37.2

Manual Integrations

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MMDadoda

6/27/2019 10:11:43 AM



#46

Dibromomethane

Concen: 50.541 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

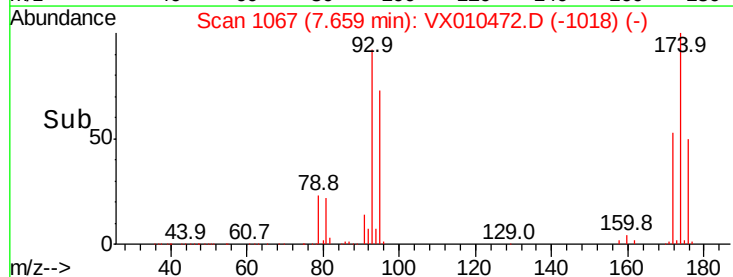
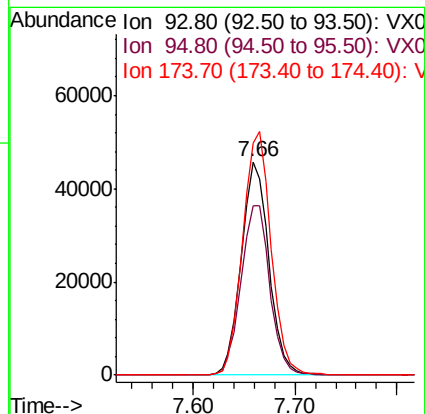
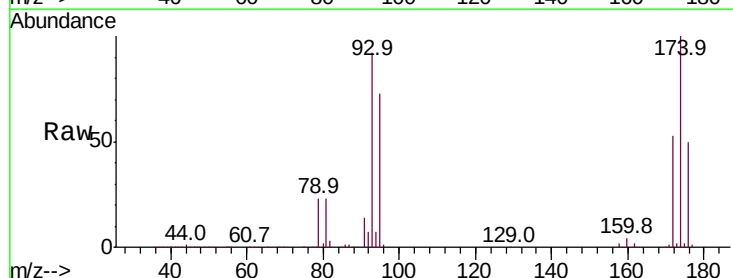
Tgt Ion: 93 Resp: 86282

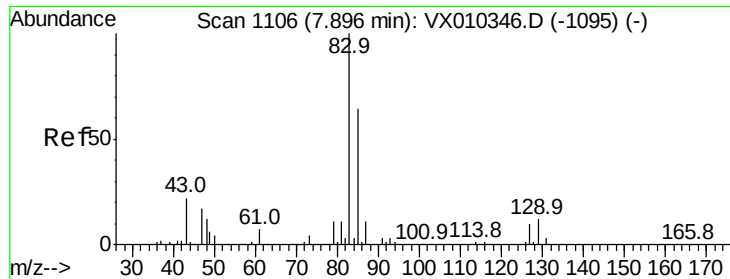
Ion Ratio Lower Upper

93 100

95 82.9 67.5 101.3

174 117.3 95.8 143.6





#47

Bromodichloromethane

Concen: 50.130 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

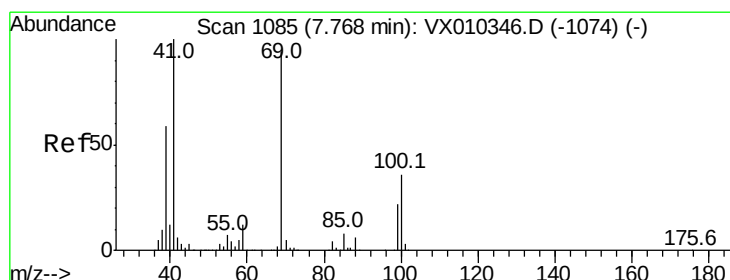
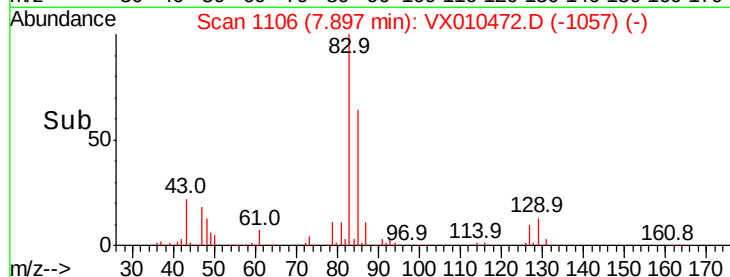
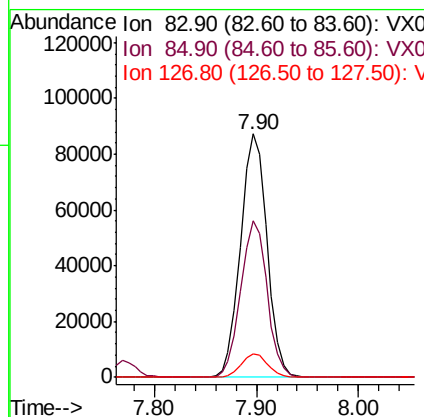
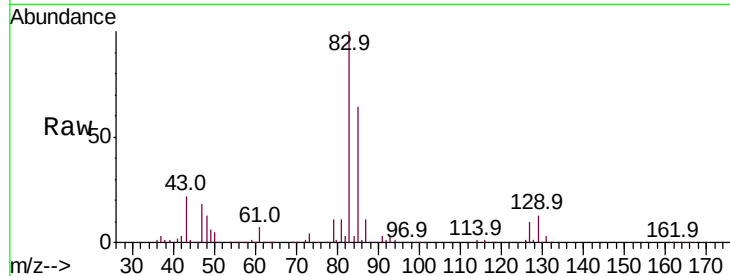
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	83	Resp:	156838
Ion Ratio	Lower	Upper	
83	100		
85	64.2	51.5	77.3
127	9.9	7.8	11.8

Manual Integrations
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6/27/2019 10:11:43 AM



#48

Methyl methacrylate

Concen: 51.489 ug/l

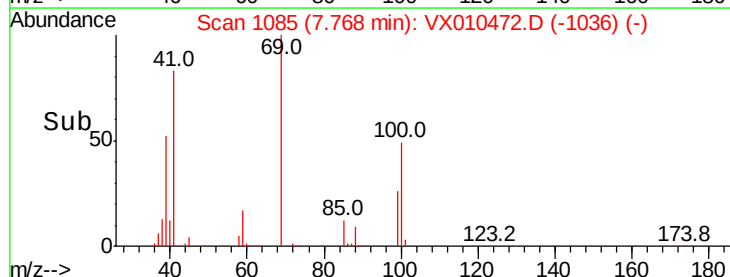
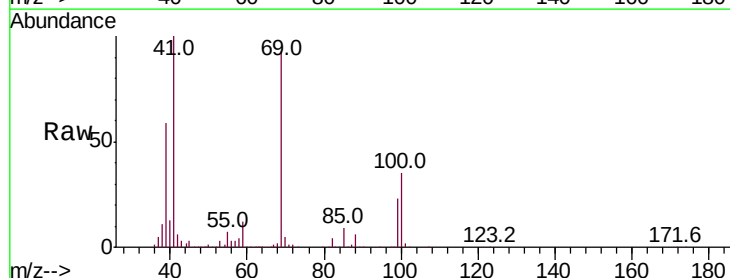
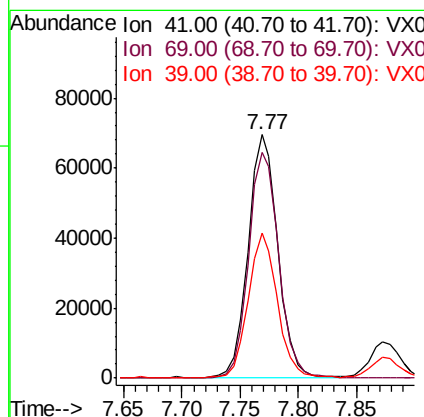
RT: 7.77 min Scan# 1085

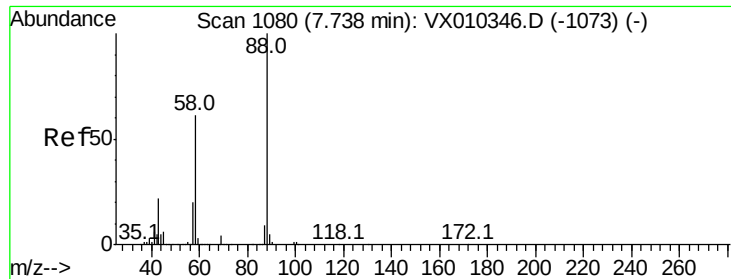
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	41	Resp:	123198
Ion Ratio	Lower	Upper	
41	100		
69	94.6	76.1	114.1
39	58.6	47.6	71.4





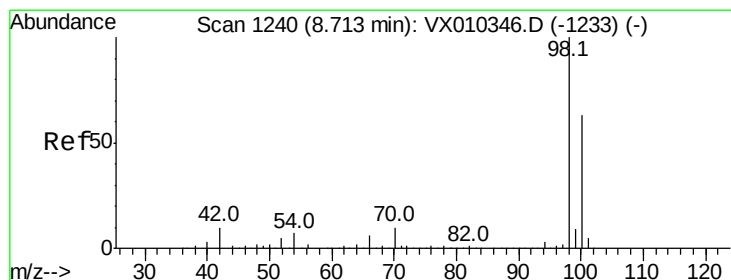
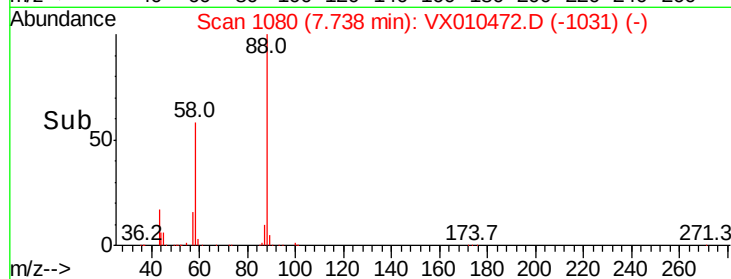
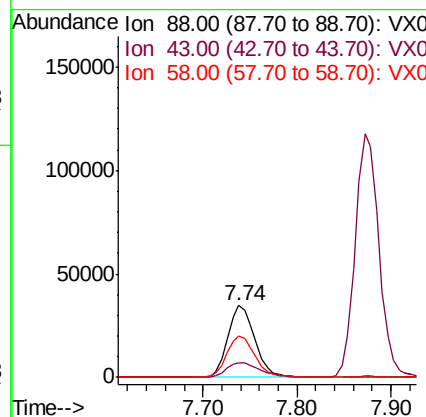
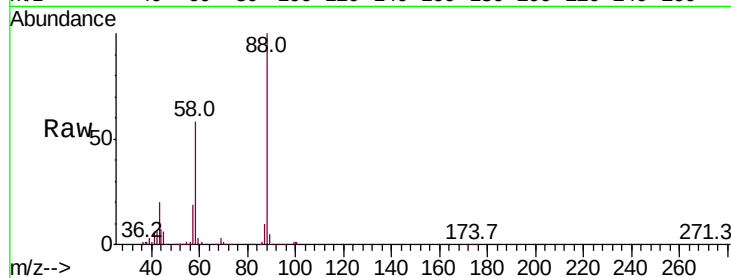
#49
1,4-Dioxane
Concen: 983.287 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	20.2	30.2
58	60.3	49.5	74.3

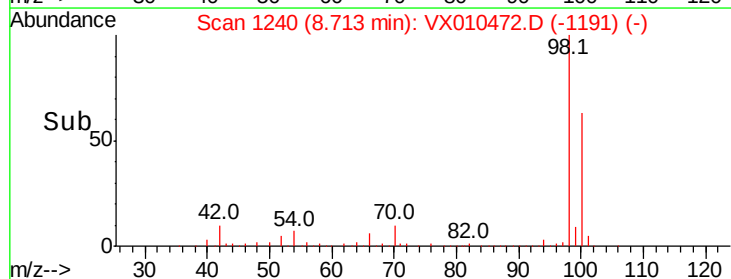
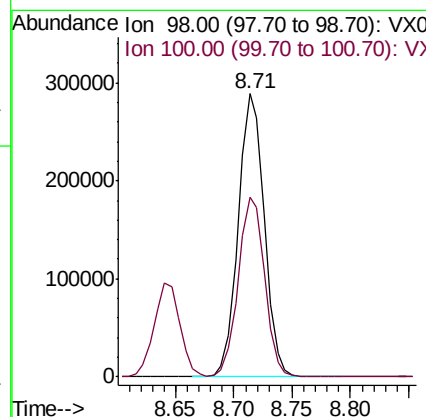
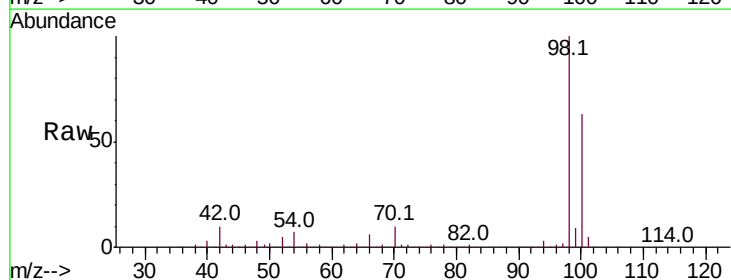
Manual Integrations
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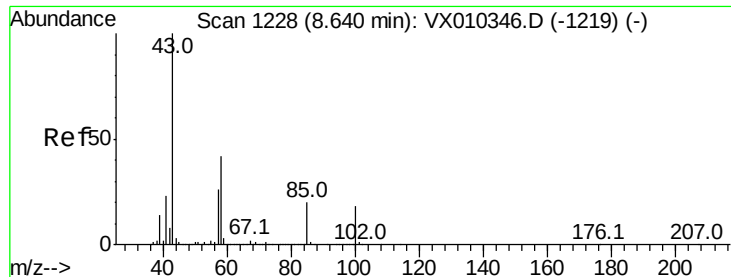
MMDadoda
6/27/2019 10:11:43 AM



#50
Toluene-d8
Concen: 50.391 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.6	77.4





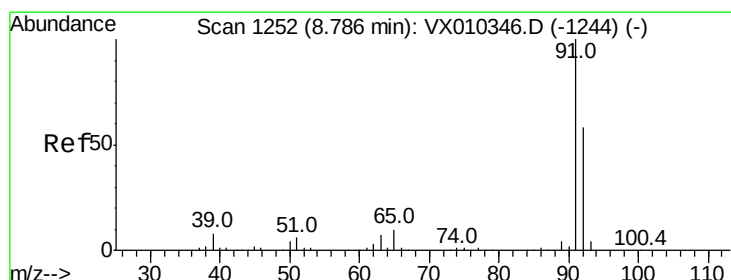
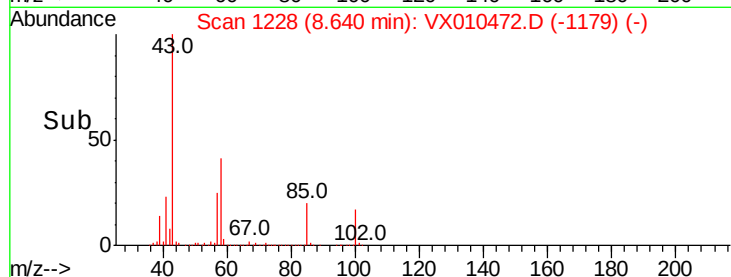
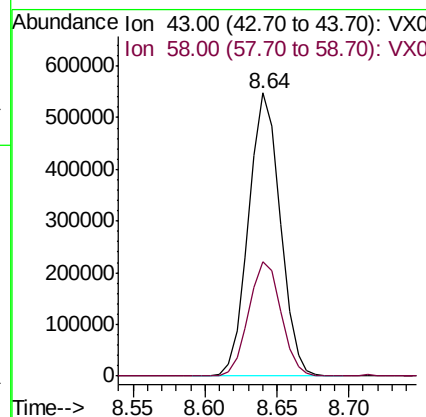
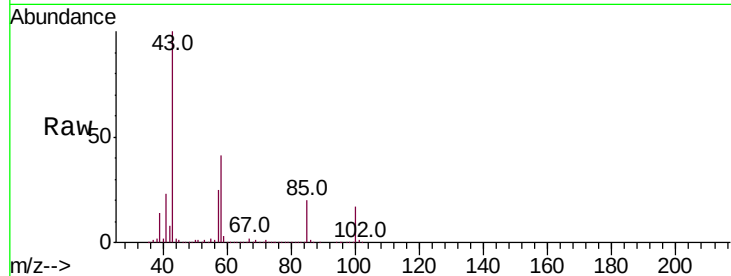
#51
4-Methyl-2-Pentanone
Concen: 252.795 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 832266
Ion Ratio Lower Upper
43 100
58 41.3 33.5 50.3

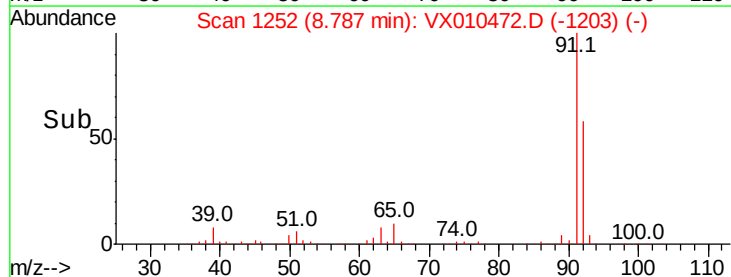
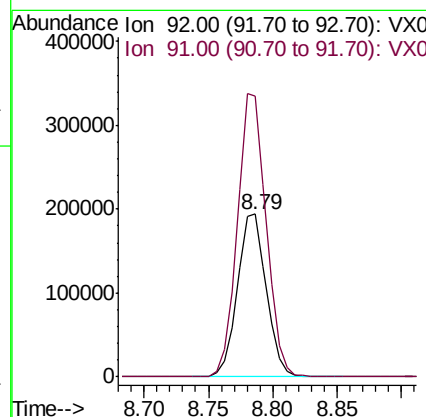
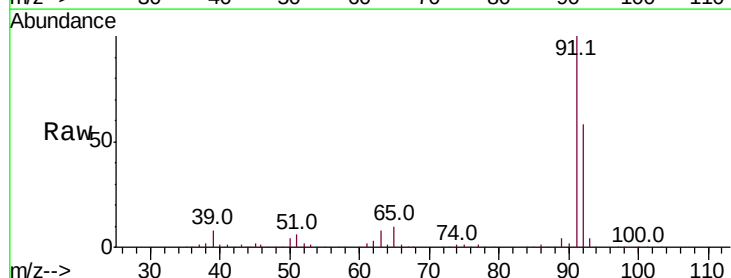
Manual Integrations
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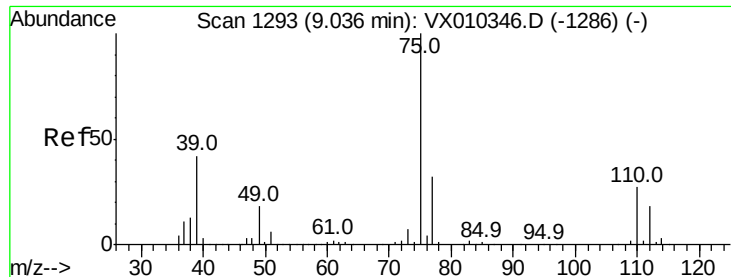
MMDadoda
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#52
Toluene
Concen: 48.634 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 92 Resp: 301772
Ion Ratio Lower Upper
92 100
91 174.2 139.8 209.6





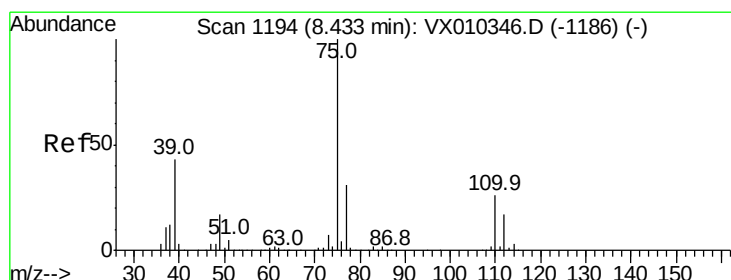
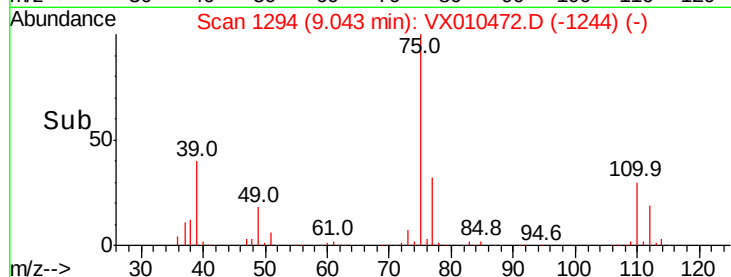
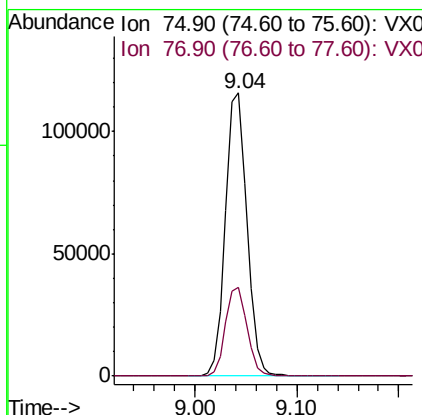
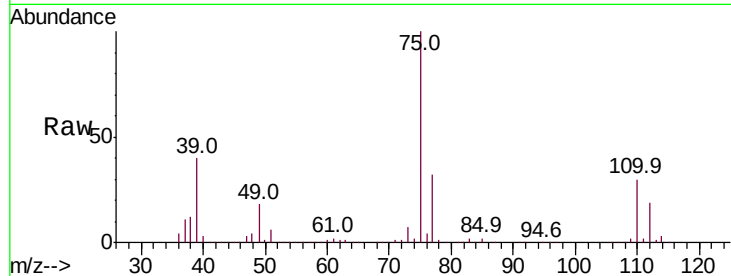
#53
t-1,3-Dichloropropene
Concen: 48.366 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 75 Resp: 169649
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

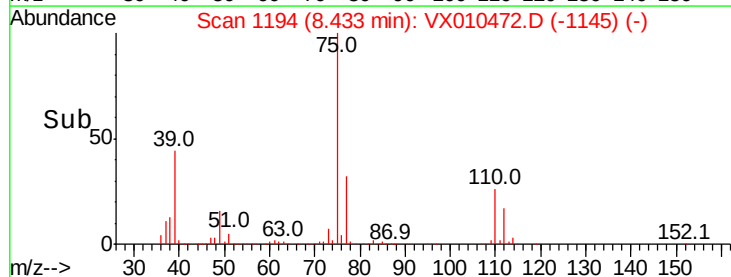
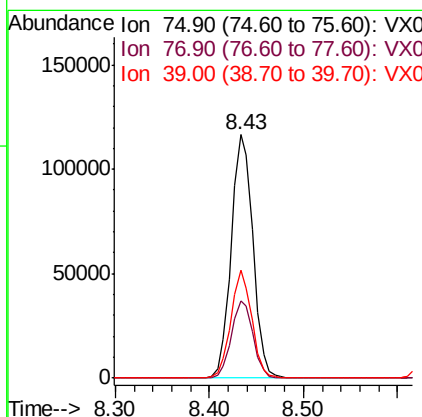
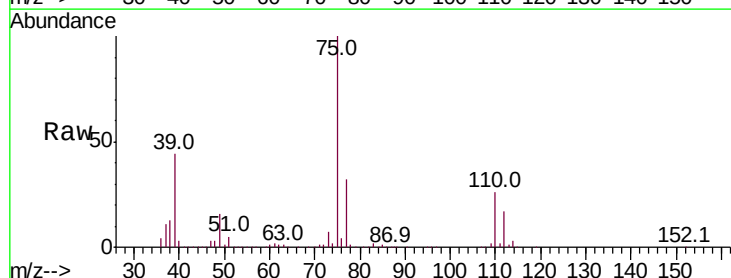
Manual Integrations
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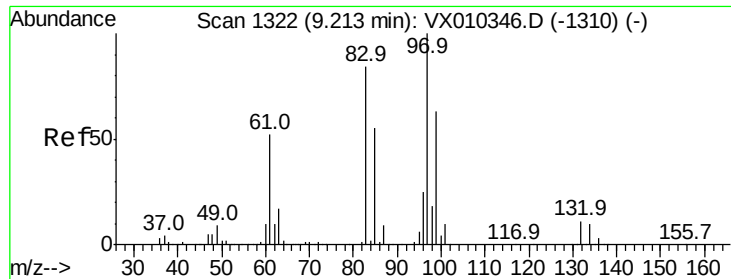
MMDadoda
6/27/2019 10:11:43 AM



#54
cis-1,3-Dichloropropene
Concen: 48.828 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion: 75 Resp: 186121
Ion Ratio Lower Upper
75 100
77 31.5 25.2 37.8
39 44.2 34.5 51.7





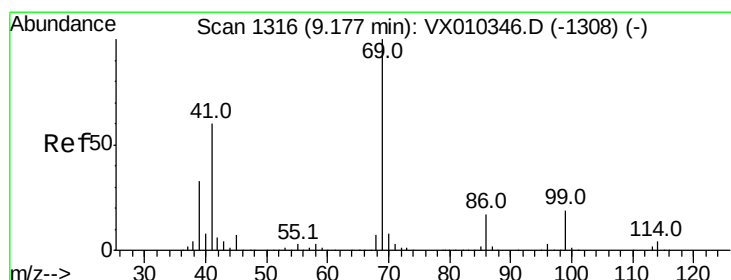
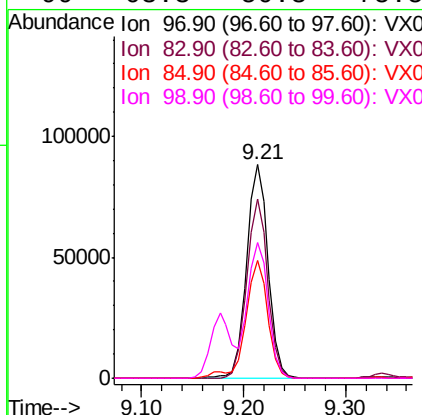
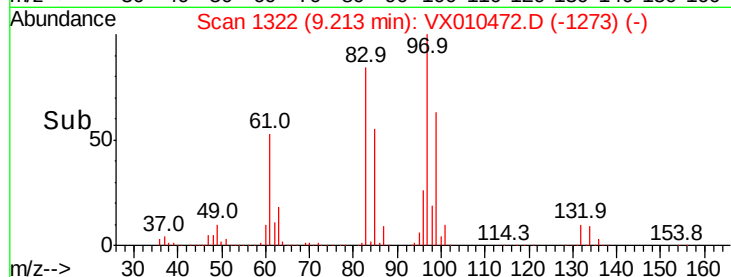
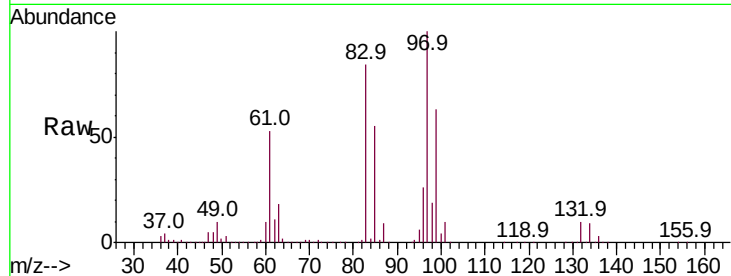
#55
 1,1,2-Trichloroethane
 Concen: 50.601 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Resp	Lower	Upper
97	100	129491		
83	83.6	67.4	101.0	
85	55.3	43.8	65.8	
99	63.3	50.3	75.5	

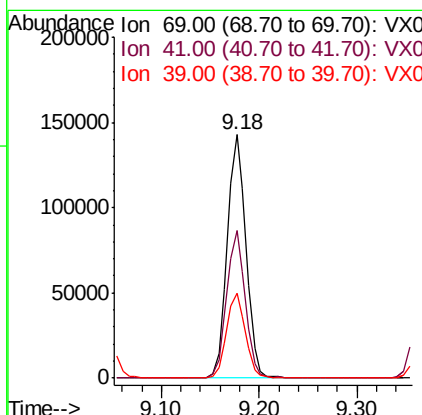
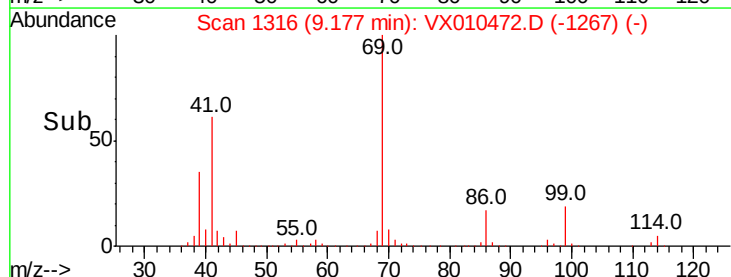
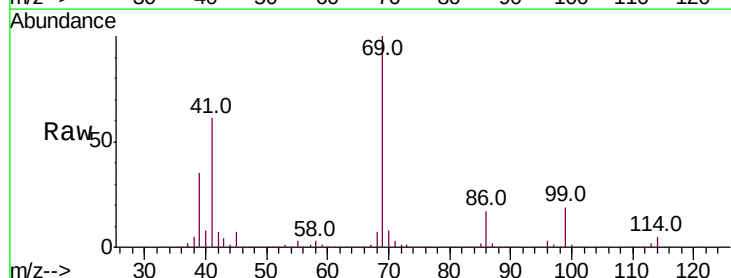
Manual Integrations
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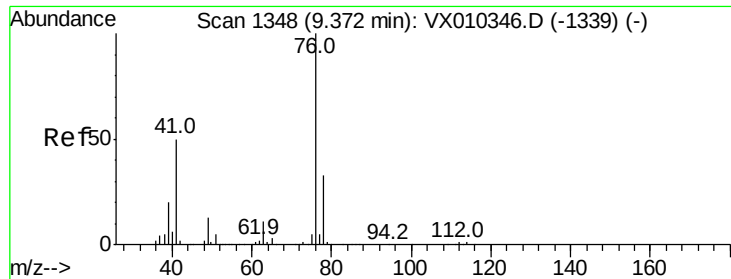
MMDadoda
 6/27/2019 10:11:43 AM



#56
 Ethyl methacrylate
 Concen: 49.094 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	190318		
41	59.8	47.1	70.7	
39	34.8	26.6	40.0	





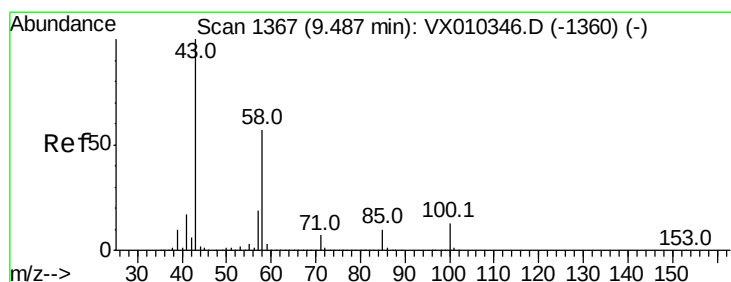
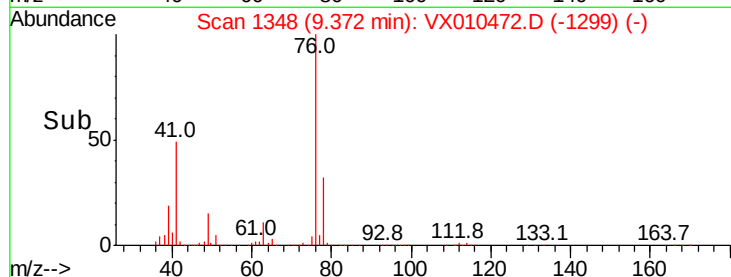
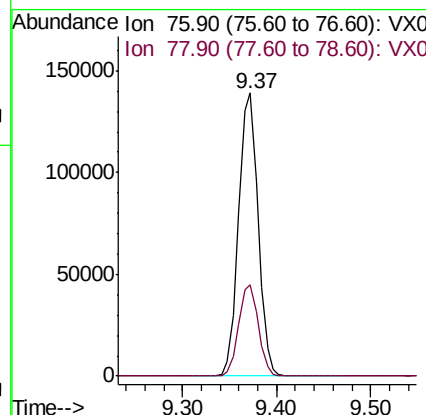
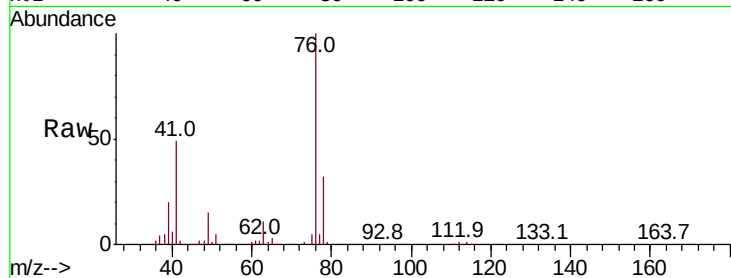
#57
 1,3-Dichloropropane
 Concen: 50.484 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 76 Resp: 200546
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.1 39.1

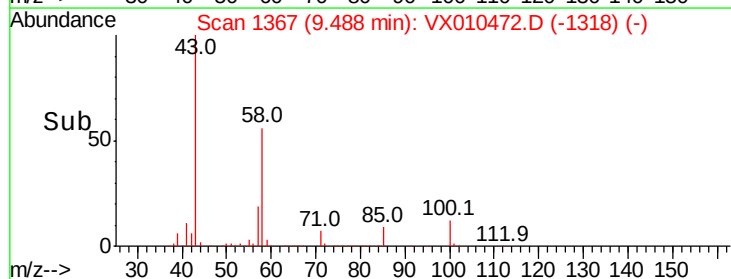
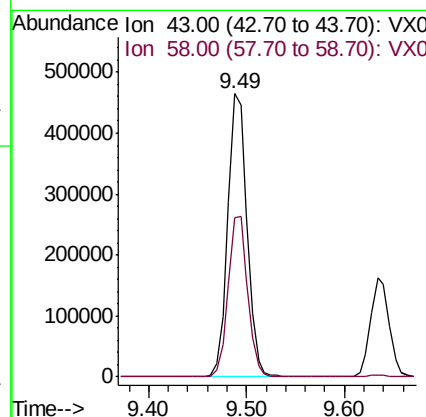
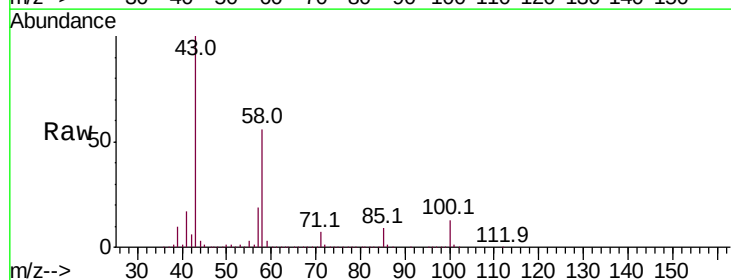
Manual Integrations
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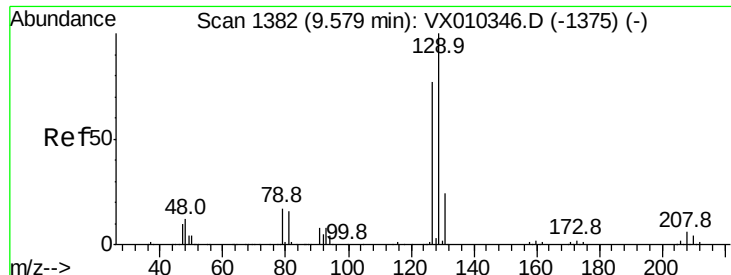
MMDadoda
 6/27/2019 10:11:43 AM



#59
 2-Hexanone
 Concen: 245.687 ug/l
 RT: 9.49 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion: 43 Resp: 636607
 Ion Ratio Lower Upper
 43 100
 58 57.2 29.0 87.1





#60

Dibromochloromethane

Concen: 49.926 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:129 Resp: 143052

Ion Ratio Lower Upper

129 100

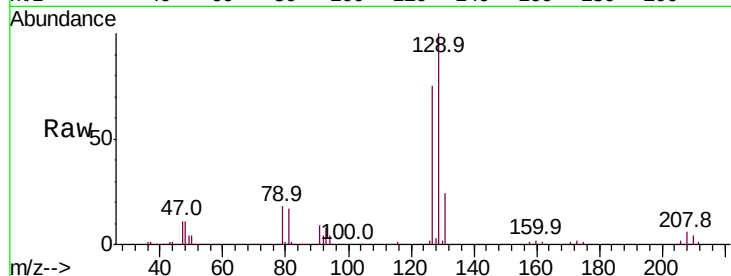
127 77.0 38.4 115.1

Manual Integrations

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6/27/2019 10:11:43 AM



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.58

100000

80000

60000

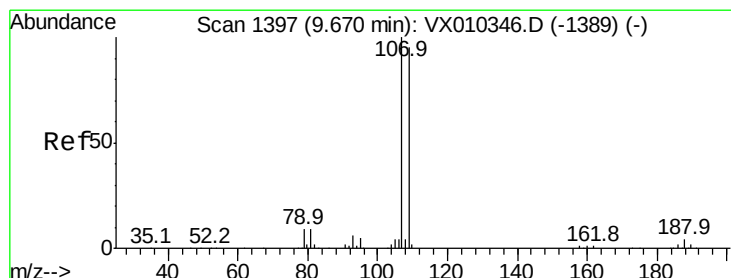
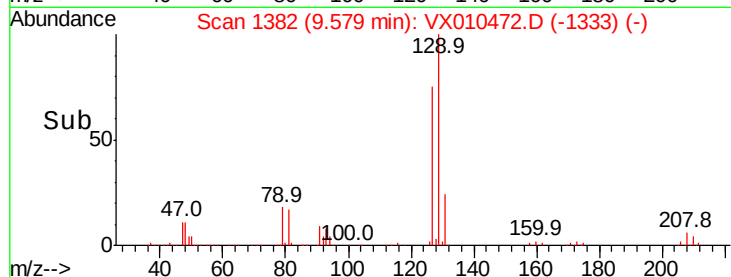
40000

20000

0

9.50 9.55 9.60 9.65 9.70

Time-->



#61

1,2-Dibromoethane

Concen: 50.083 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010472.D

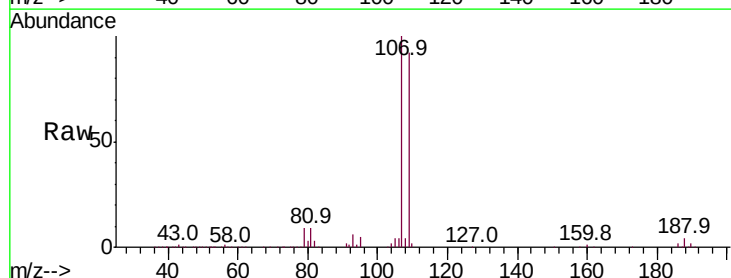
Acq: 26 Jun 2019 18:53

Tgt Ion:107 Resp: 138340

Ion Ratio Lower Upper

107 100

109 94.2 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

120000

100000

80000

60000

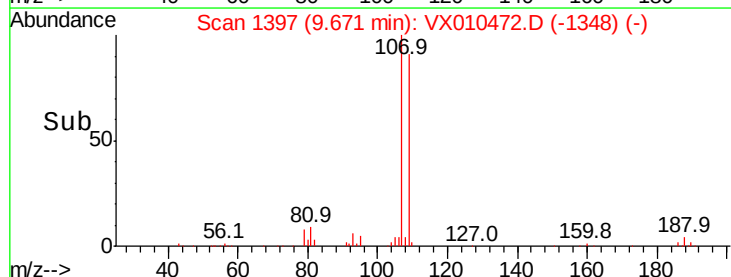
40000

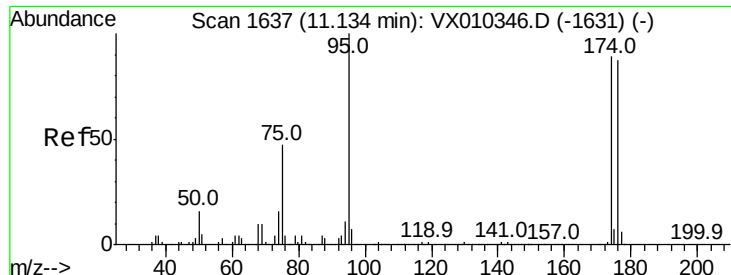
20000

0

9.60 9.65 9.70 9.75

Time-->





#62

4-Bromofluorobenzene

Concen: 49.584 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

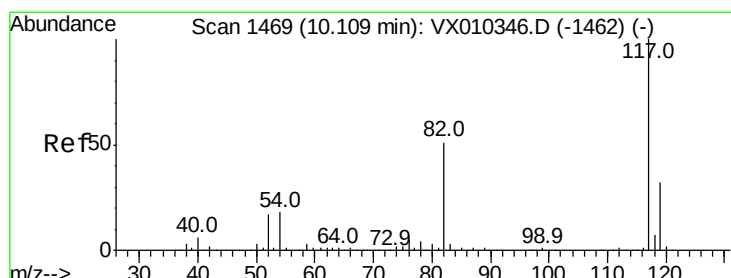
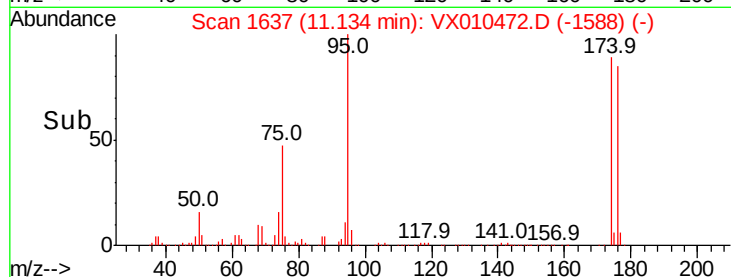
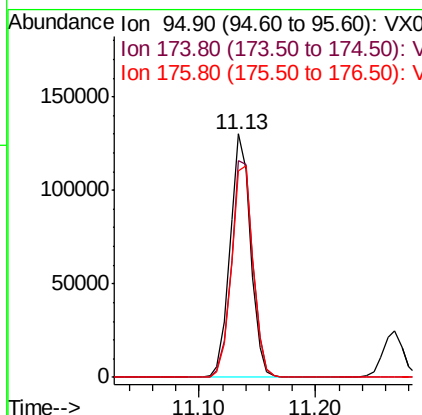
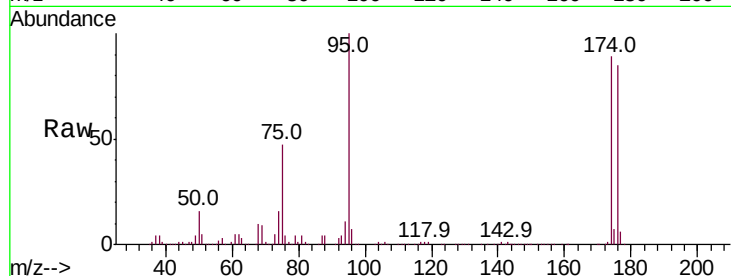
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	95	Resp:	159478
Ion Ratio	Lower	Upper	
95	100		
174	93.3	0.0	187.6
176	91.2	0.0	184.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

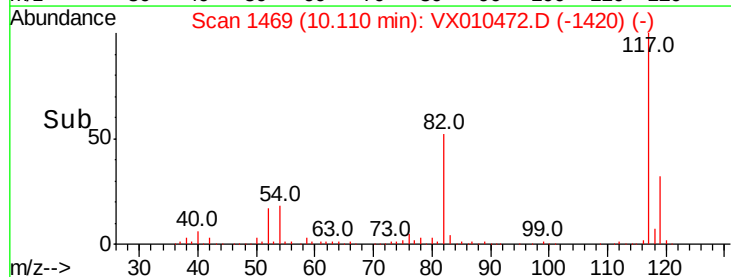
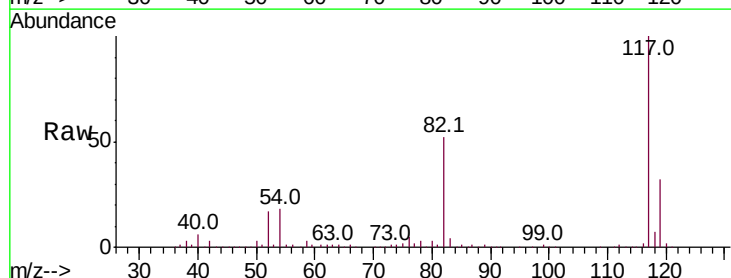
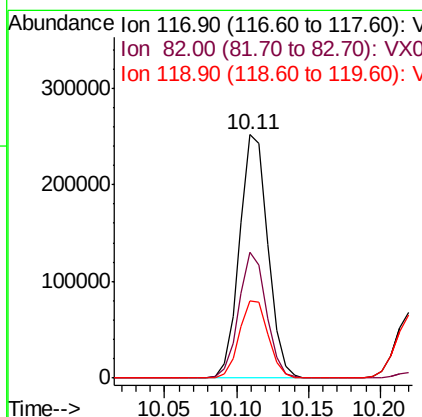
RT: 10.11 min Scan# 1469

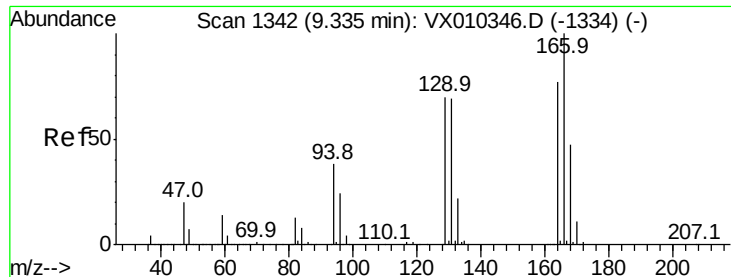
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	117	Resp:	343991
Ion Ratio	Lower	Upper	
117	100		
82	51.6	41.2	61.8
119	31.5	25.5	38.3





#64

Tetrachloroethene

Concen: 47.844 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:164 Resp: 133116

Ion Ratio Lower Upper

164 100

166 123.6 103.6 155.4

129 87.5 73.0 109.4

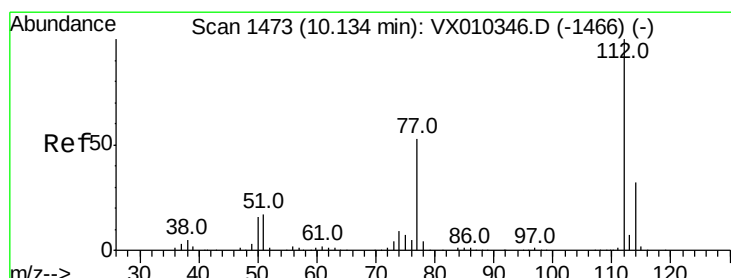
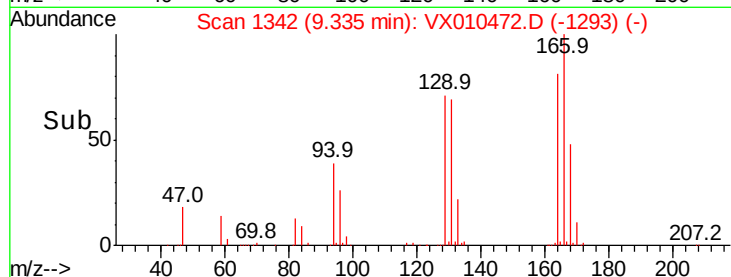
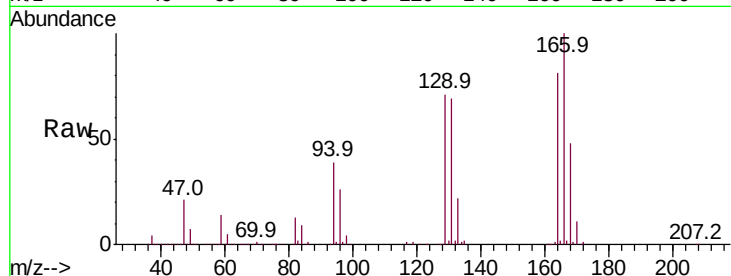
131 85.2 71.0 106.4

Manual Integrations

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6/27/2019 10:11:43 AM



#65

Chlorobenzene

Concen: 48.809 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010472.D

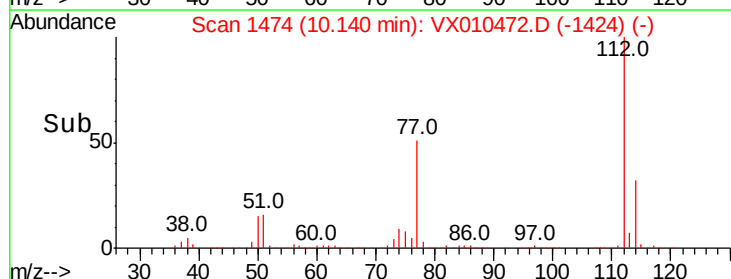
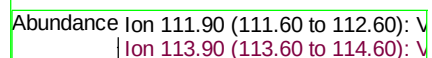
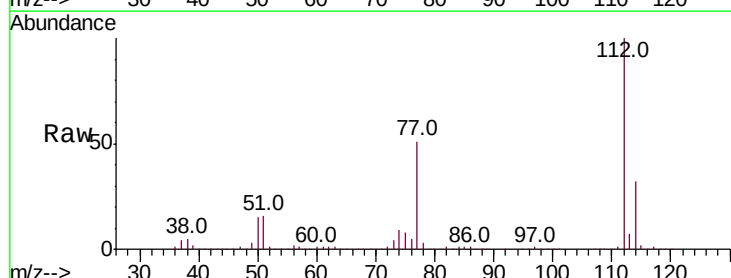
Acq: 26 Jun 2019 18:53

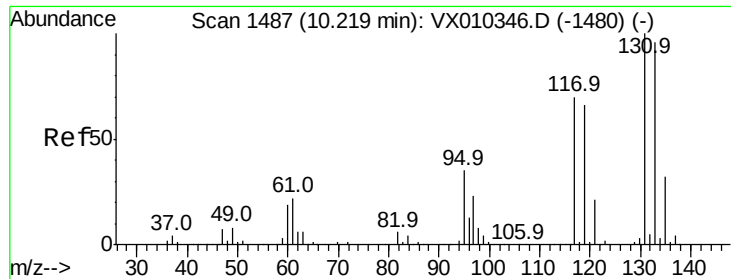
Tgt Ion:112 Resp: 340863

Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 51.293 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

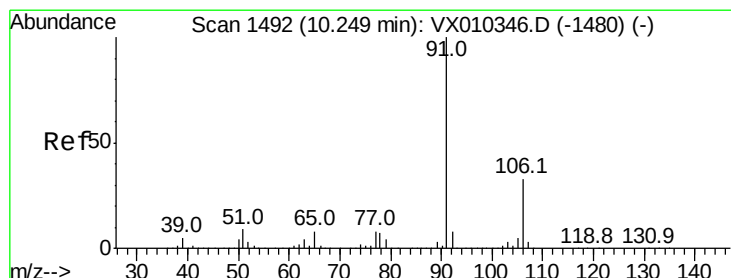
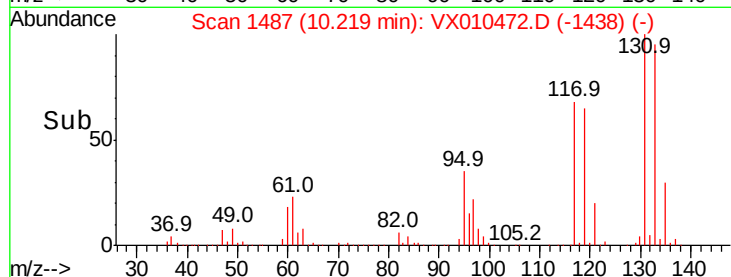
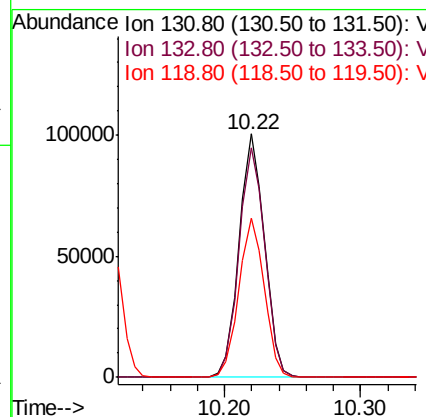
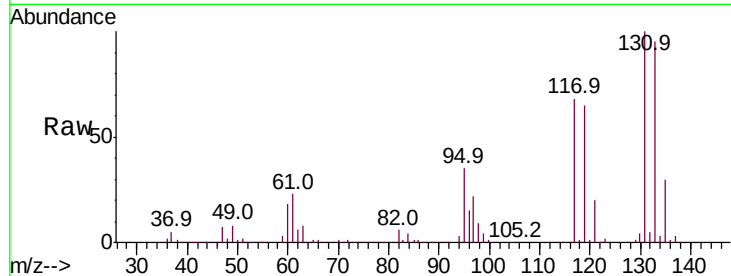
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	131	Resp:	130480
Ion Ratio	Lower	Upper	
131	100		
133	96.3	47.7	143.1
119	65.8	32.6	97.7

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.270 ug/l

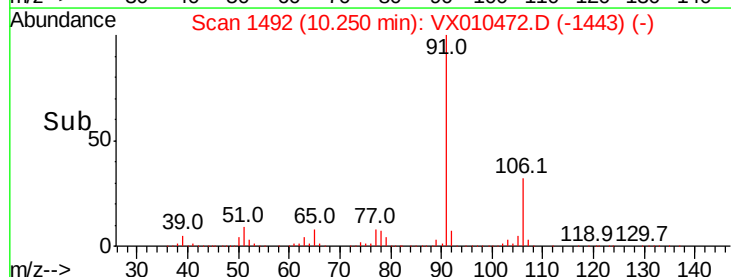
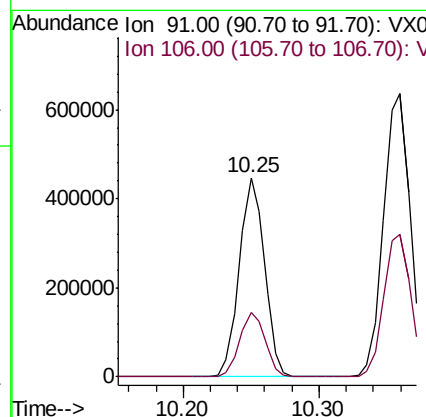
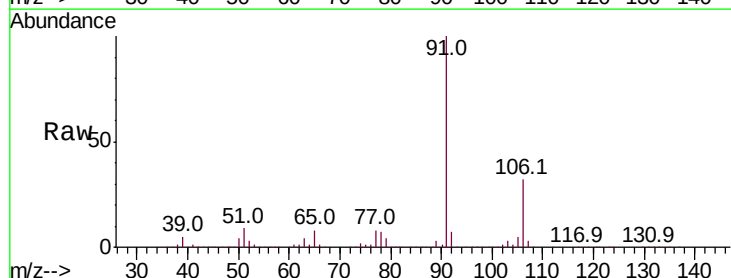
RT: 10.25 min Scan# 1492

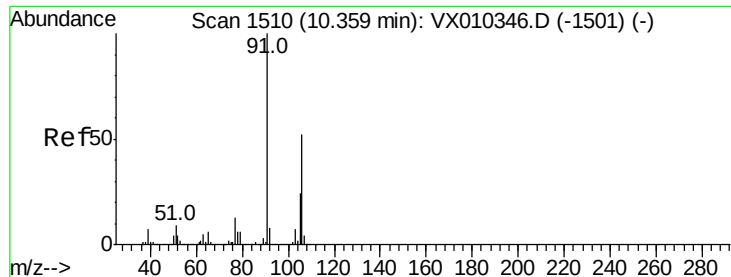
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	91	Resp:	580896
Ion Ratio	Lower	Upper	
91	100		
106	32.1	26.2	39.2





#68

m/p-Xylenes

Concen: 97.049 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X

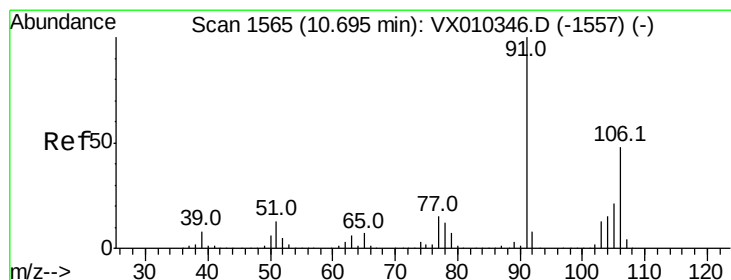
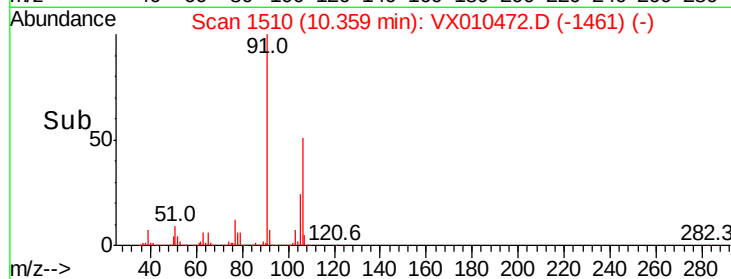
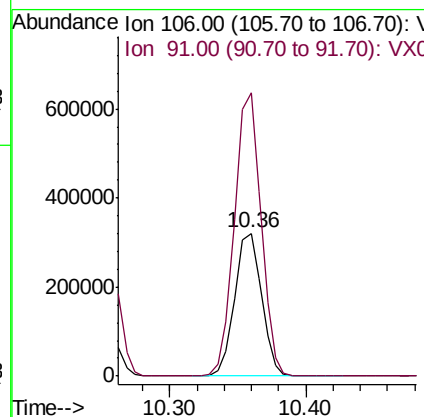
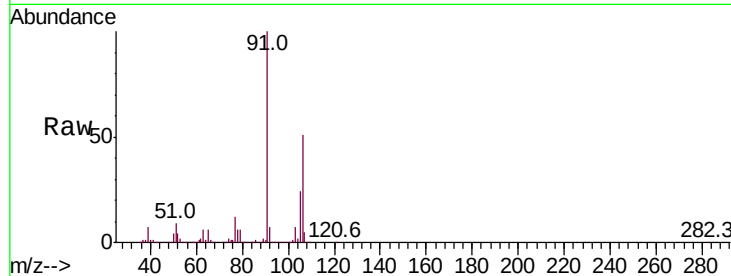
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:106 Resp: 443350

Ion	Ratio	Lower	Upper
106	100		
91	195.7	155.3	232.9

Manual Integrations
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6/27/2019 10:11:43 AM



#69

o-Xylene

Concen: 48.881 ug/l

RT: 10.69 min Scan# 1565

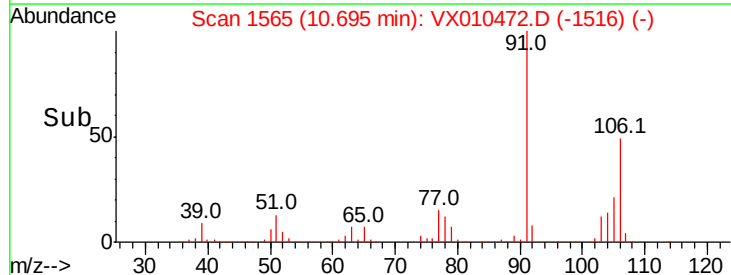
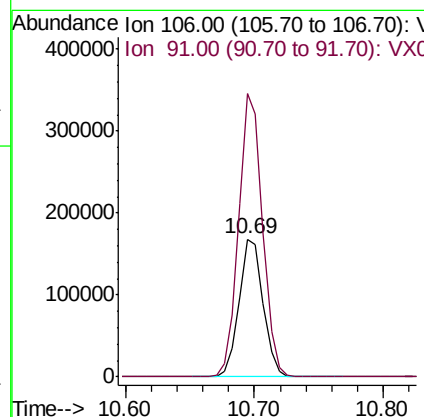
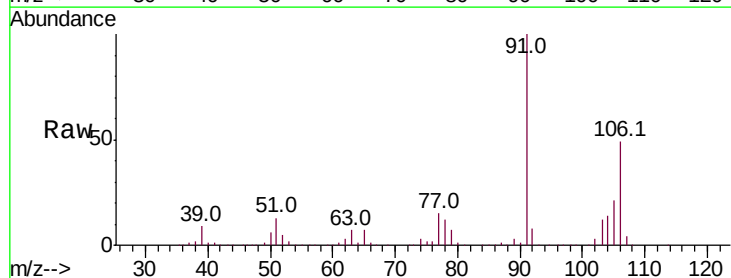
Delta R.T. 0.00 min

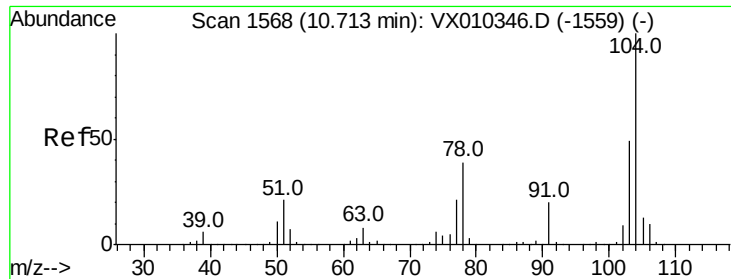
Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:106 Resp: 219601

Ion	Ratio	Lower	Upper
106	100		
91	203.1	102.7	308.1





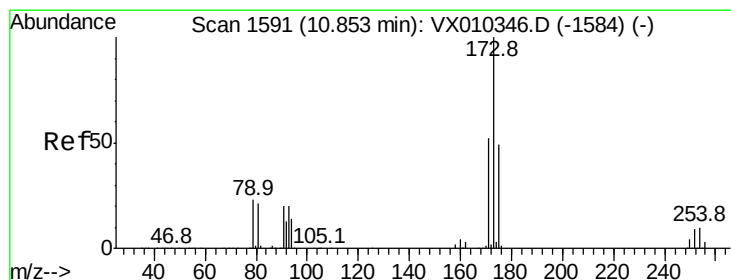
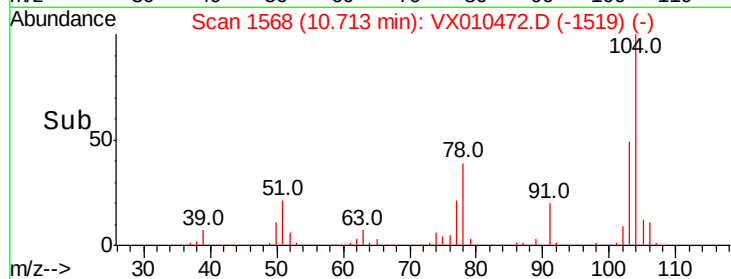
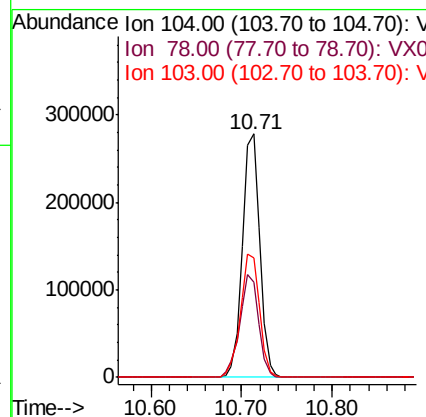
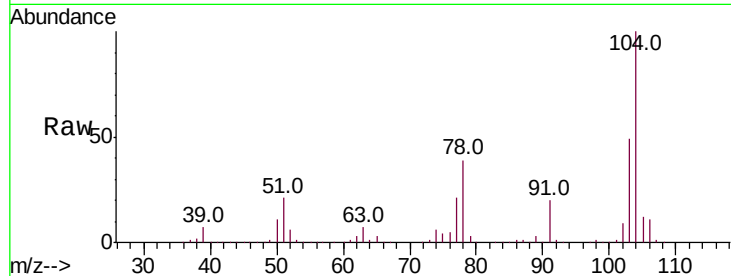
#70
Stvrene
Concen: 49.252 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.6	36.2	54.2
103	55.4	44.2	66.4

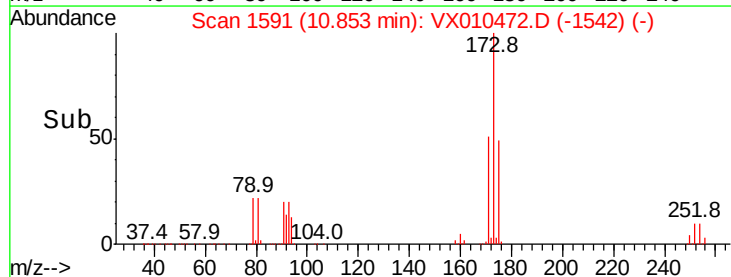
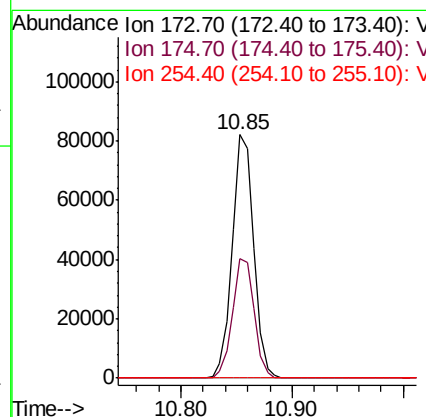
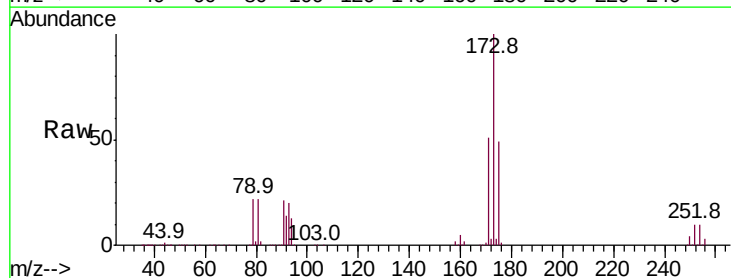
Manual Integrations
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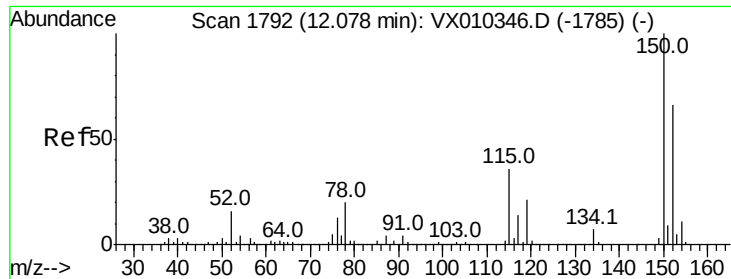
MMDadoda
6/27/2019 10:11:43 AM



#71
Bromoform
Concen: 49.428 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.1	72.3
254	0.2	0.2	0.2





#72

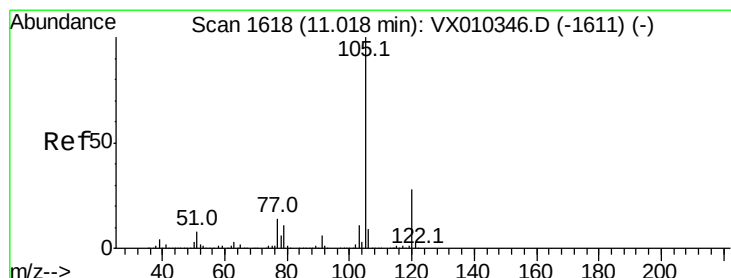
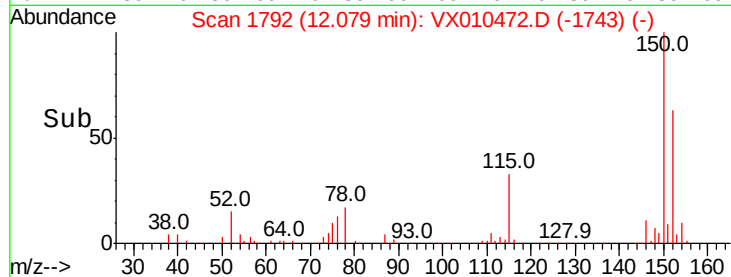
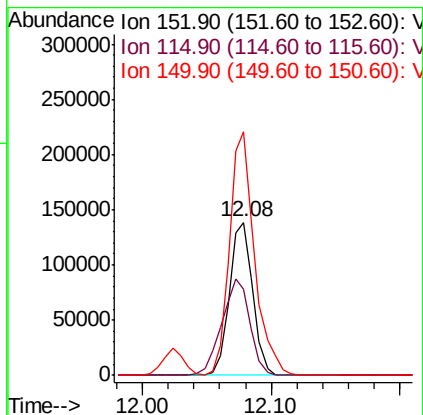
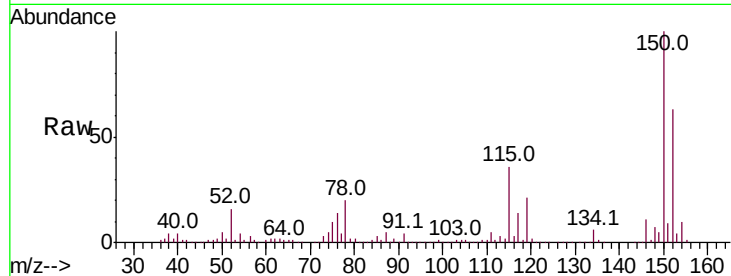
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
152	100		
115	76.5	38.6	115.7
150	170.5	0.0	347.4

Manual Integrations
APPROVED

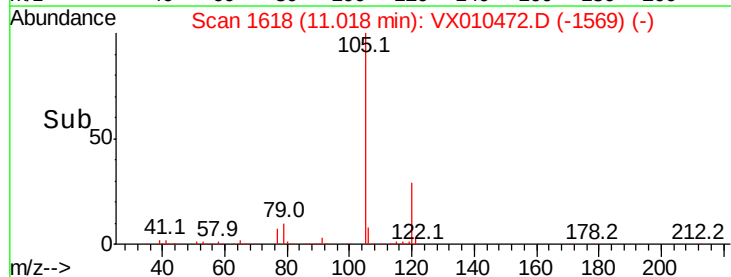
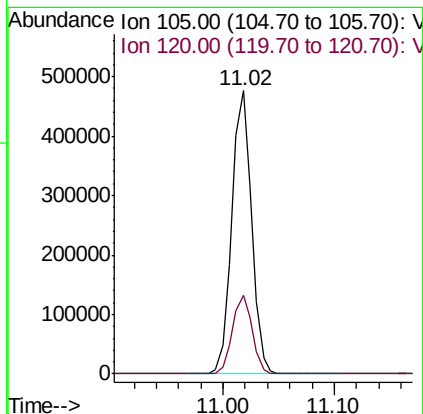
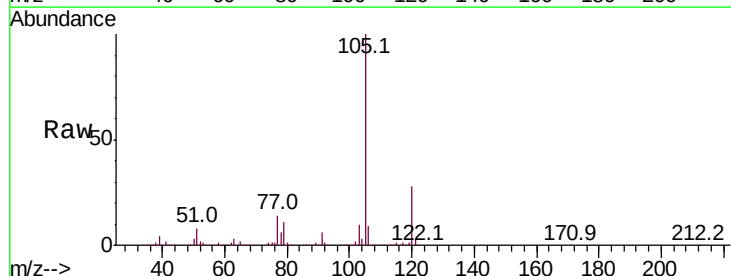
MMDadoda
6/27/2019 10:11:43 AM

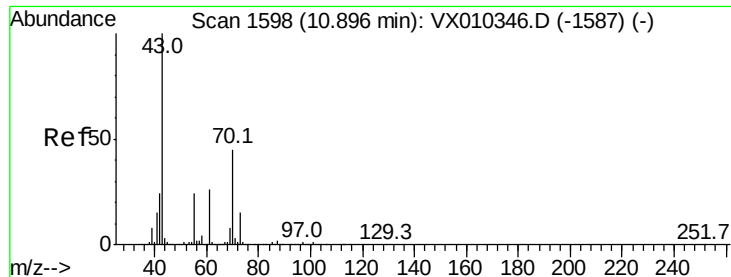


#73

Isopropylbenzene
Concen: 49.049 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.9	14.1	42.4





#74

N-amvl acetate

Concen: 46.199 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

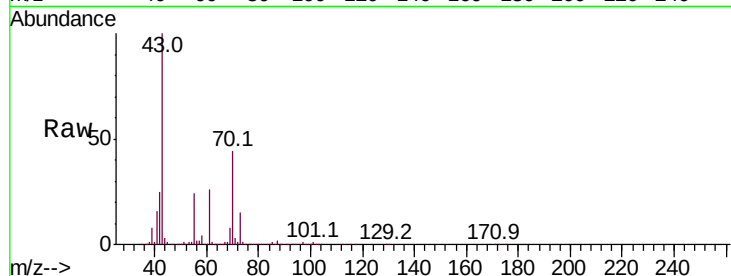
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 43 Resp: 207322

Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.6	54.8
55	24.3	18.7	28.1
61	25.7	20.6	31.0

Manual Integrations
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MMDadoda
6/27/2019 10:11:43 AM



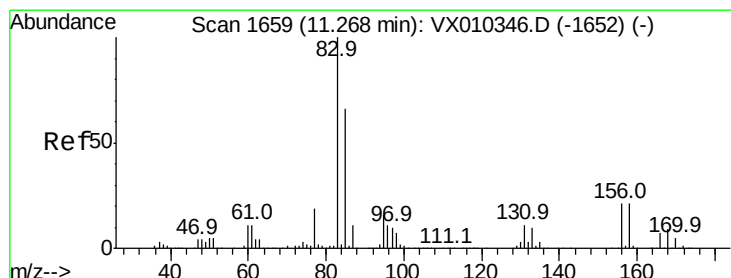
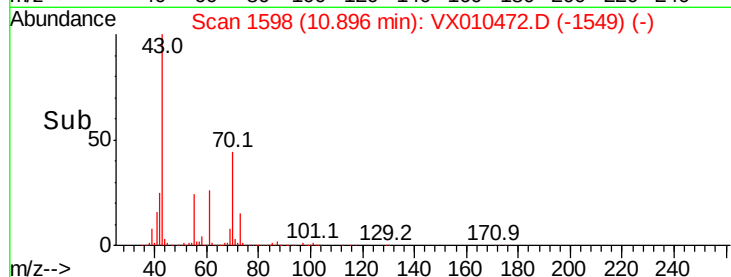
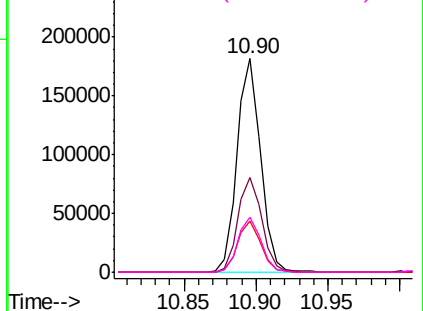
Abundance

Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: 49.864 ug/l

RT: 11.27 min Scan# 1659

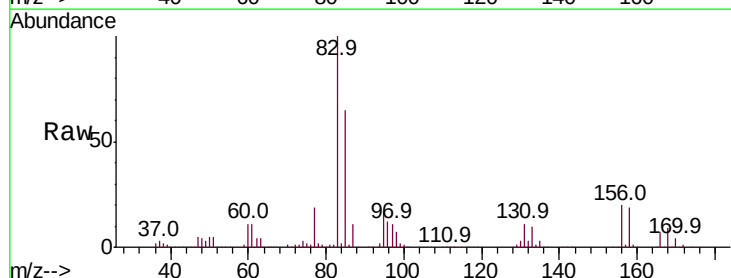
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion: 83 Resp: 196089

Ion	Ratio	Lower	Upper
83	100		
131	11.0	5.5	16.4
85	64.9	32.3	96.8

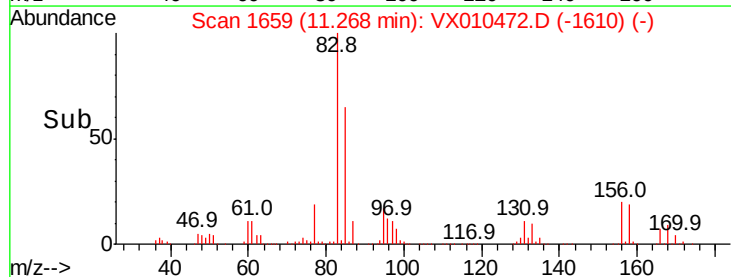
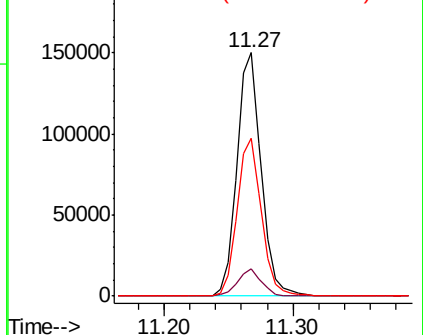


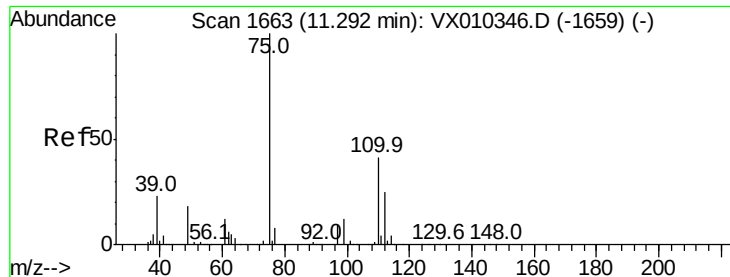
Abundance

Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 49.341 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 75 Resp: 157499

Ion Ratio Lower Upper

75 100

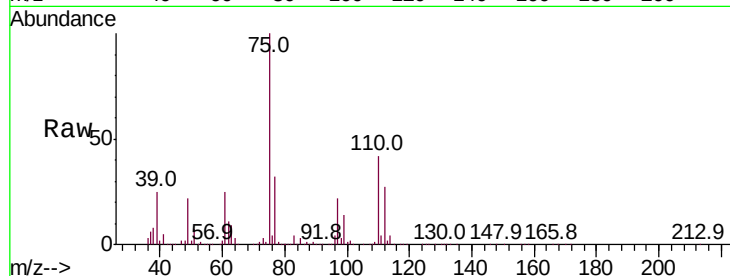
77 44.1 22.6 67.8

Manual Integrations

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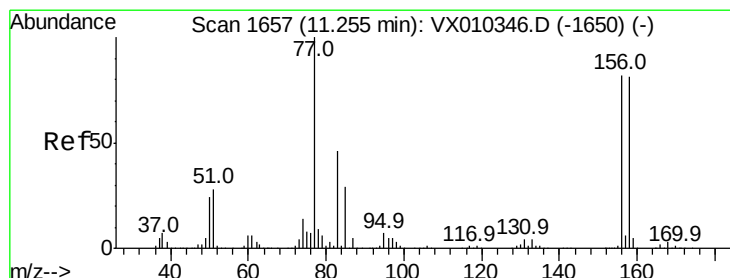
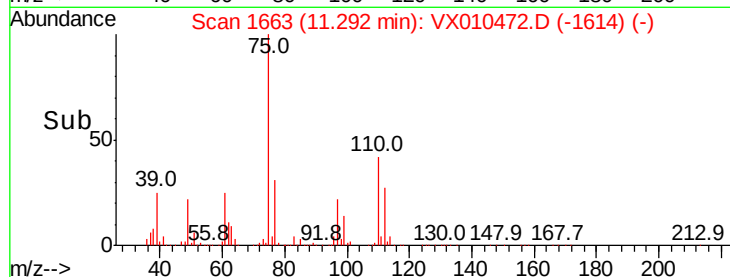
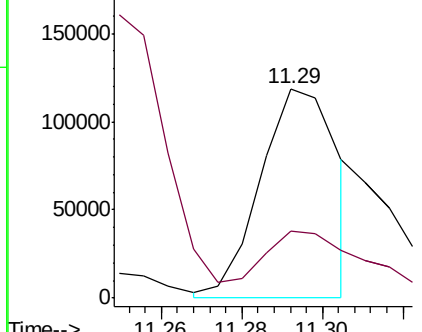
MMDadoda

6/27/2019 10:11:43 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 48.242 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

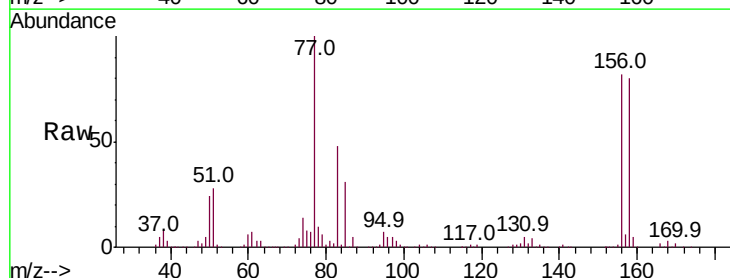
Tgt Ion: 156 Resp: 159953

Ion Ratio Lower Upper

156 100

77 131.4 66.3 198.7

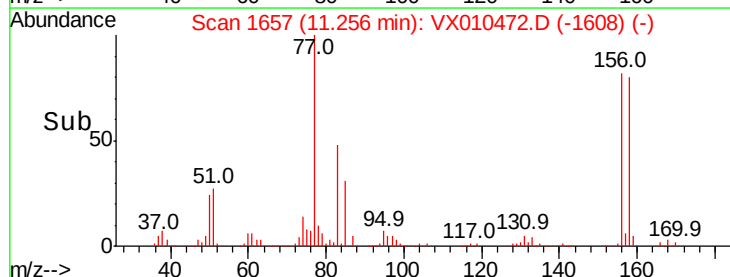
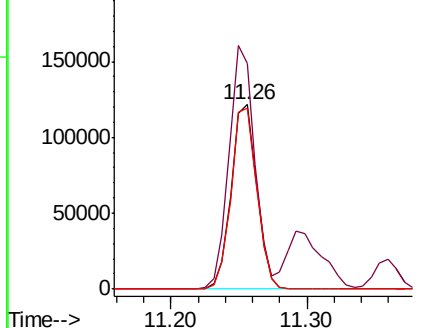
158 98.3 48.9 146.7

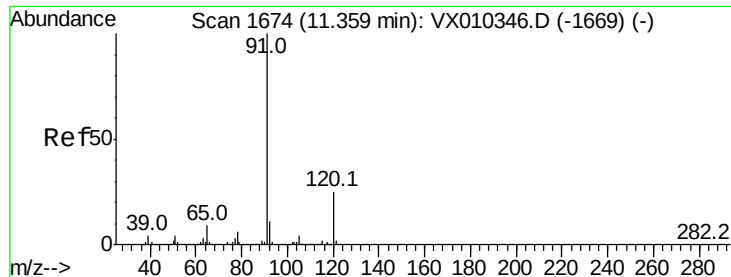


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 49.251 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 91 Resp: 642739

Ion Ratio Lower Upper

91 100

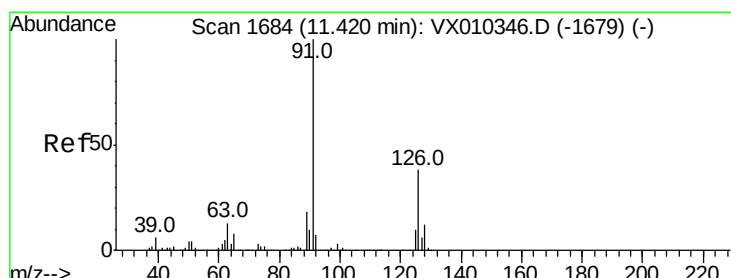
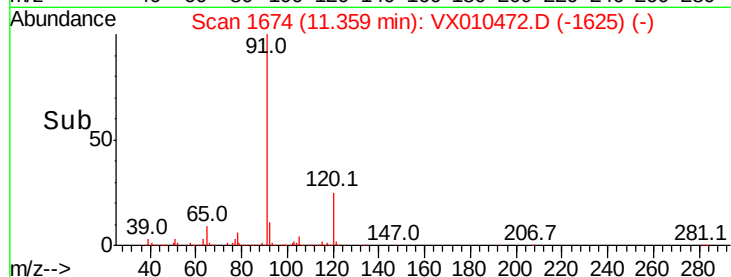
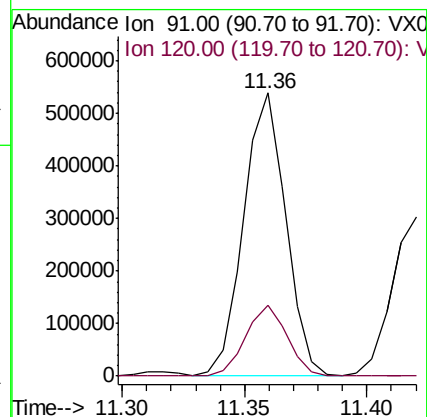
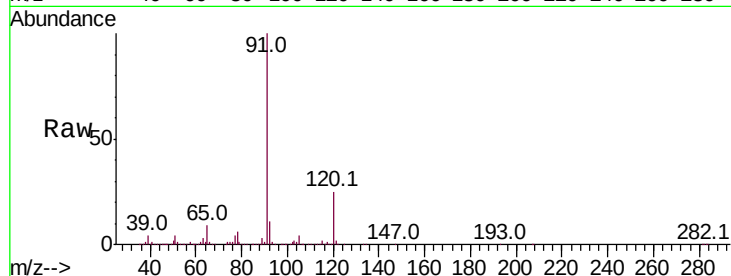
120 24.7 12.4 37.4

Manual Integrations

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MMDadoda

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#79

2-Chlorotoluene

Concen: 48.133 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010472.D

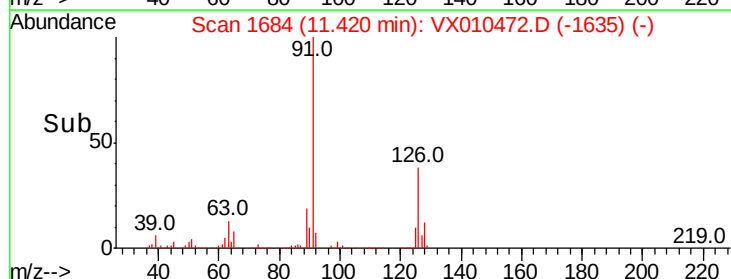
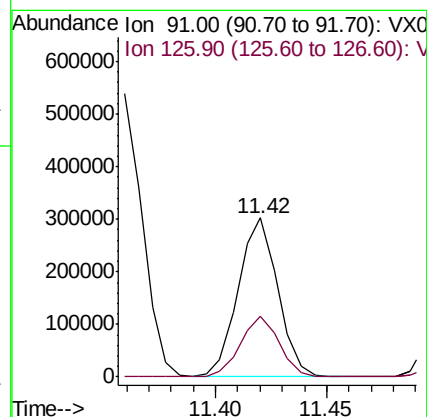
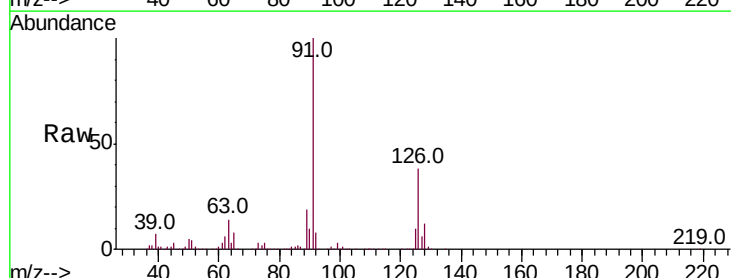
Acq: 26 Jun 2019 18:53

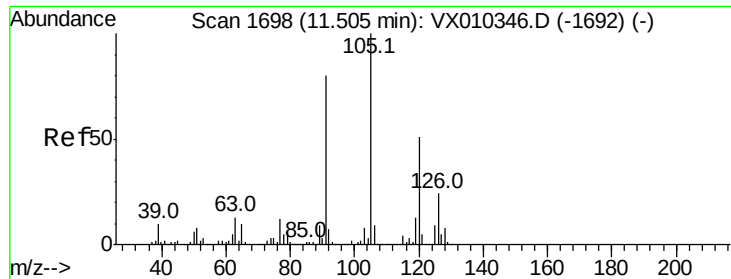
Tgt Ion: 91 Resp: 374053

Ion Ratio Lower Upper

91 100

126 37.5 18.7 56.1





#80

1,3,5-Trimethylbenzene

Concen: 48.655 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:105 Resp: 476281

Ion Ratio Lower Upper

105 100

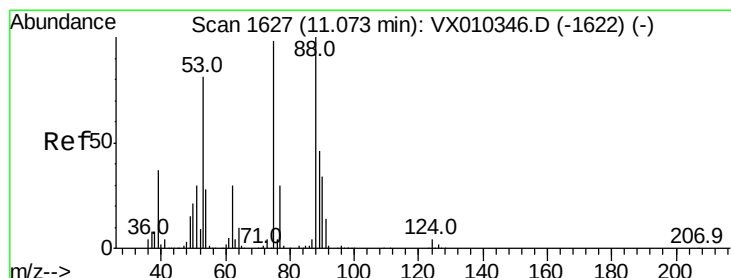
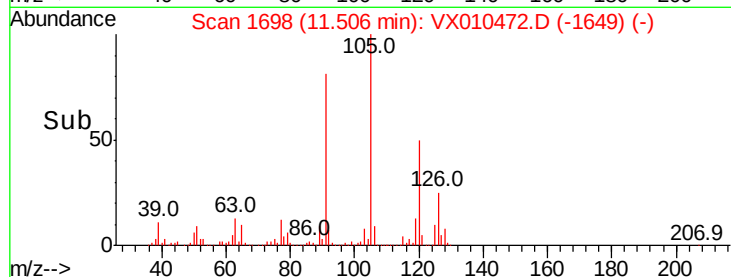
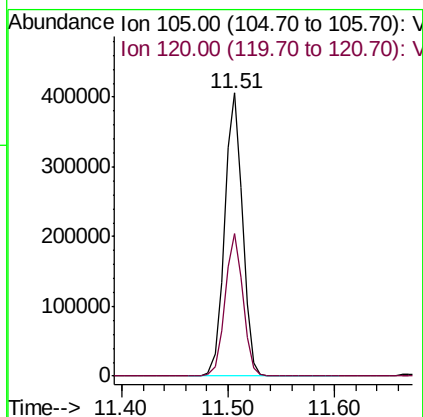
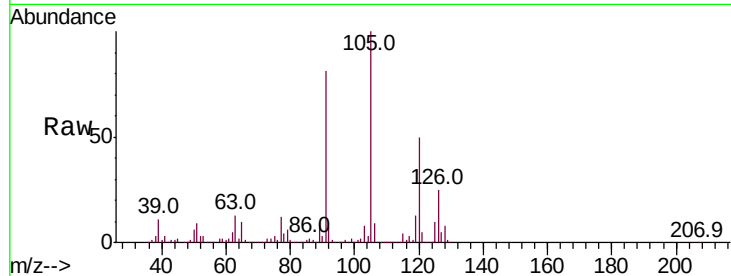
120 50.3 25.2 75.6

Manual Integrations

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MMDadoda

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#81

trans-1,4-Dichloro-2-butene

Concen: 44.335 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

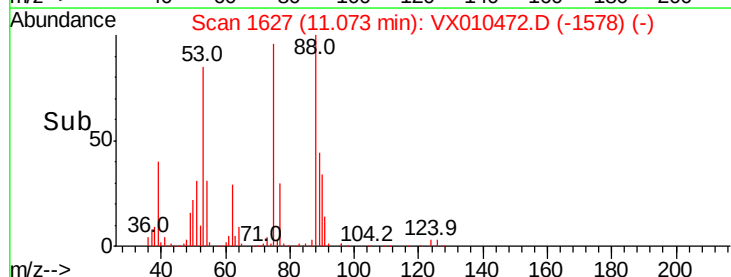
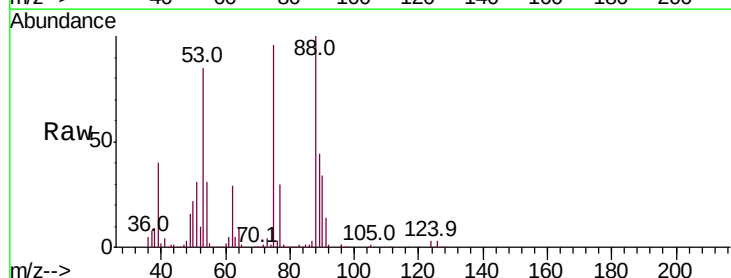
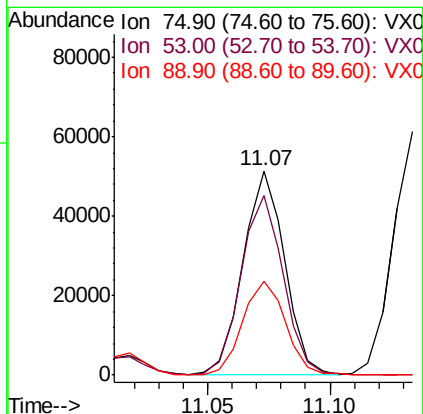
Tgt Ion: 75 Resp: 60662

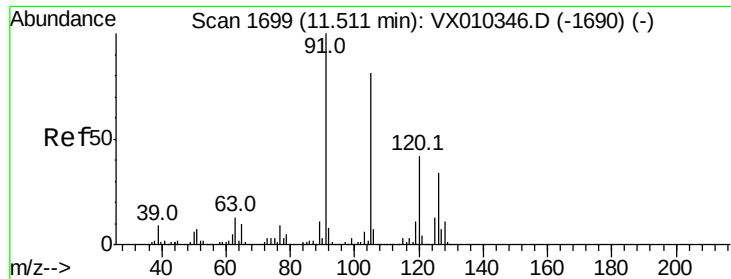
Ion Ratio Lower Upper

75 100

53 90.2 66.1 99.1

89 47.9 37.8 56.6





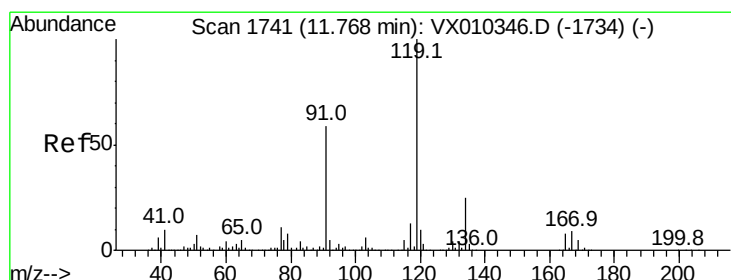
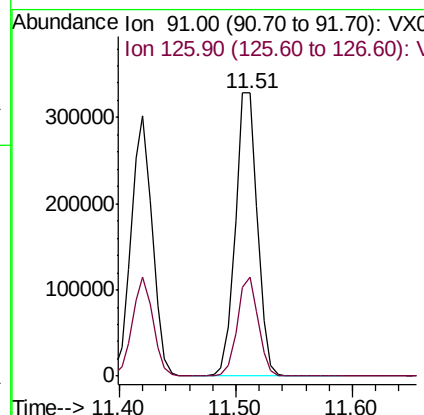
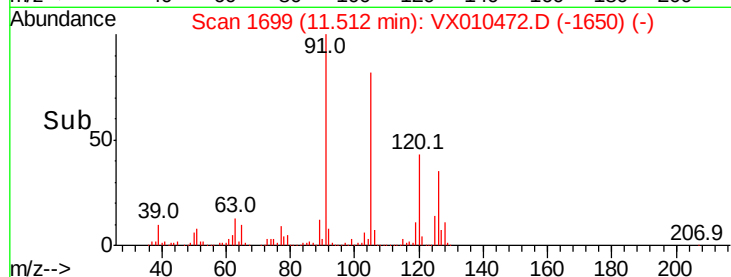
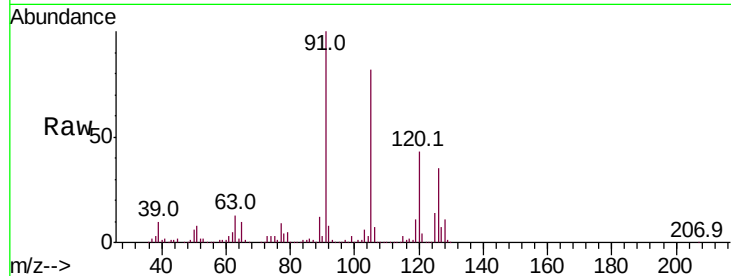
#82
4-Chlorotoluene
Concen: 48.938 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.2	48.6

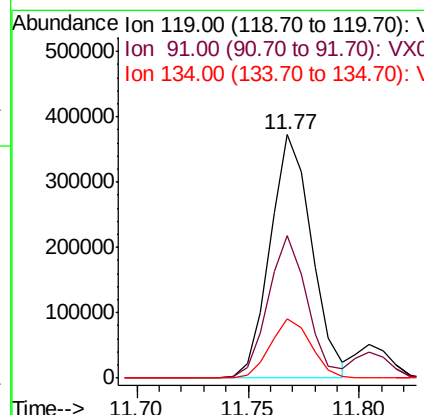
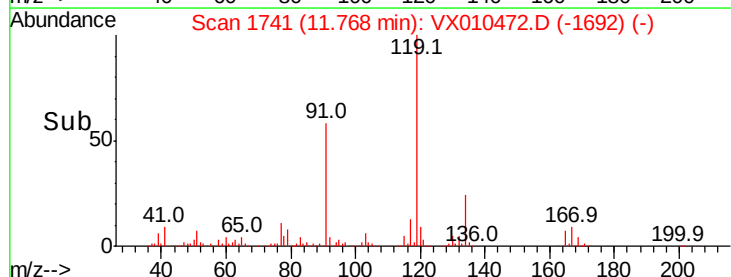
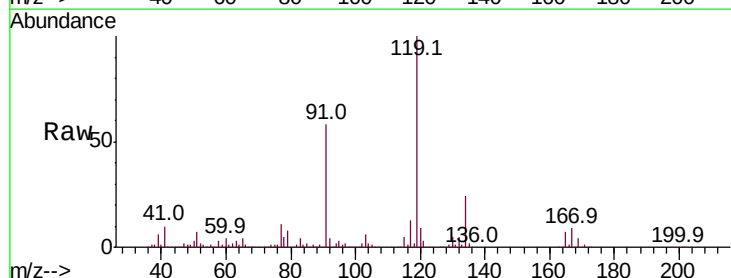
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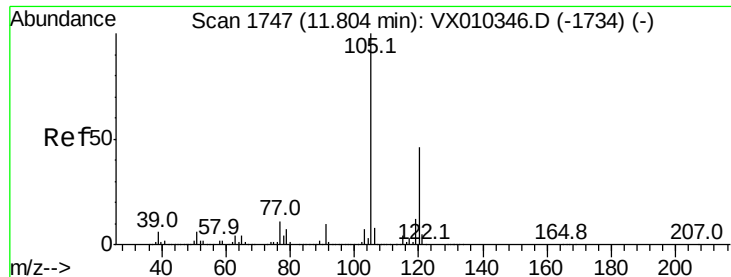
MMDadoda
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#83
tert-Butylbenzene
Concen: 49.275 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
119	100		
91	54.9	27.6	82.7
134	23.7	11.8	35.4





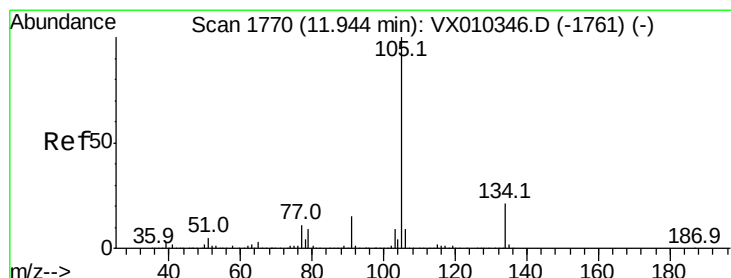
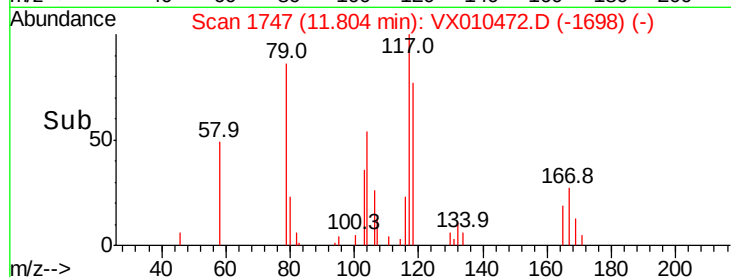
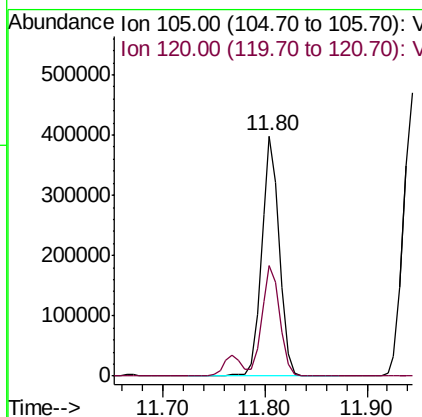
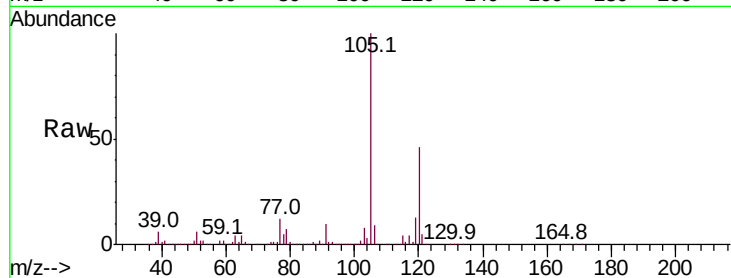
#84
 1,2,4-Trimethylbenzene
 Concen: 48.888 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.1	69.2

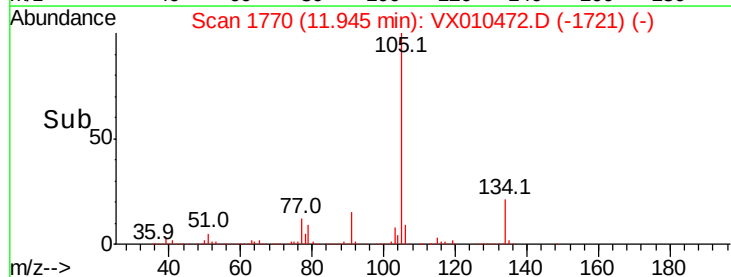
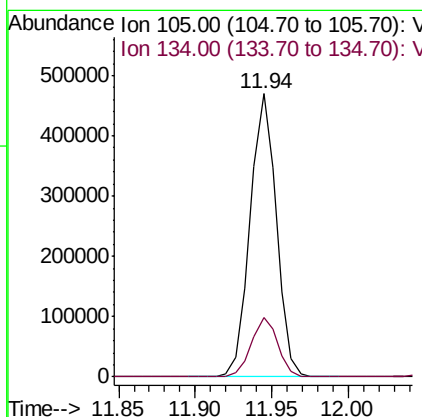
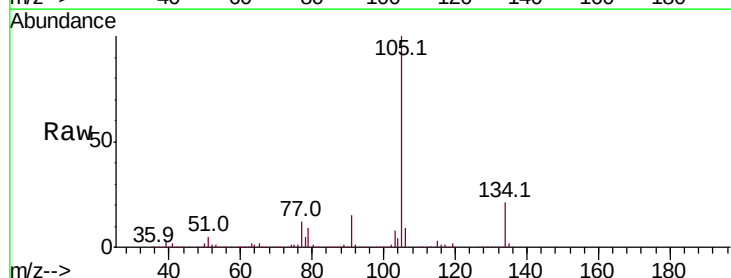
Manual Integrations
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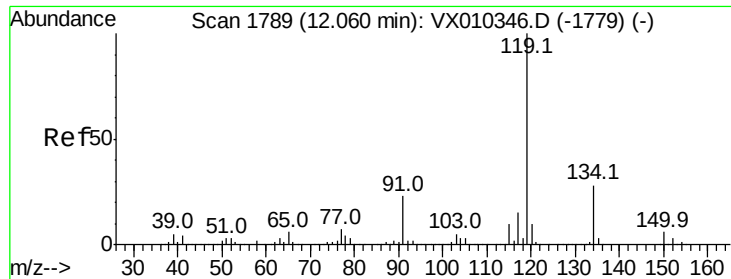
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 48.483 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9





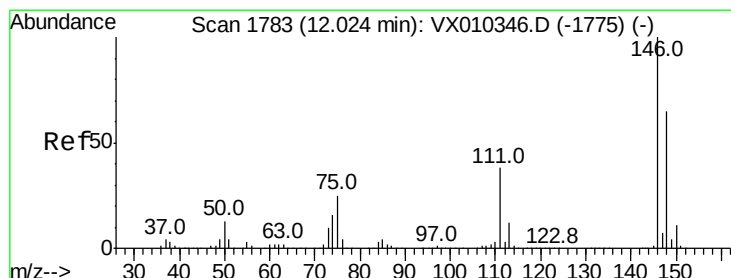
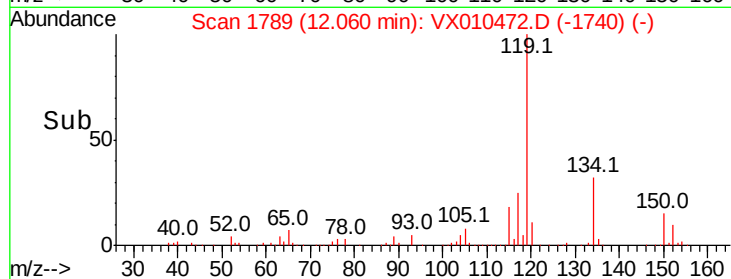
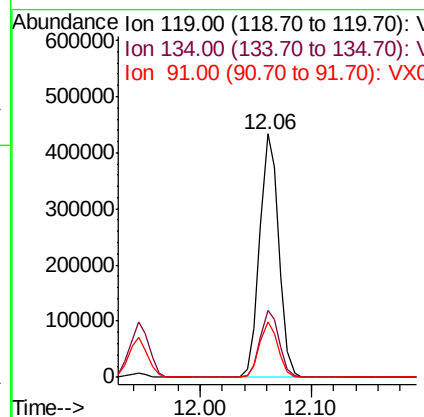
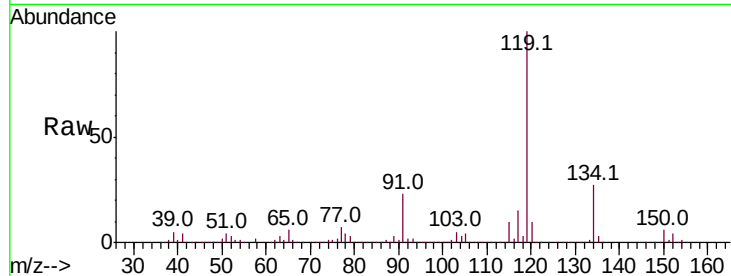
#86
 p-Isopropyltoluene
 Concen: 48.537 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	517905		
134	27.5		13.7	41.1
91	22.4		11.3	33.8

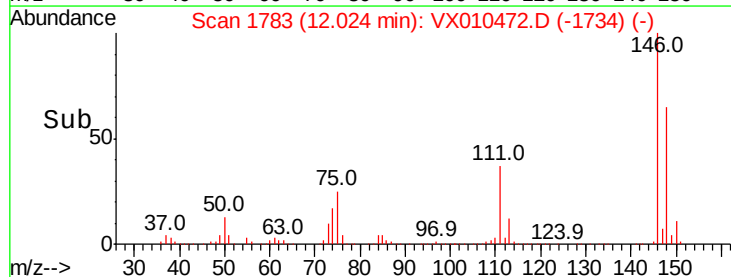
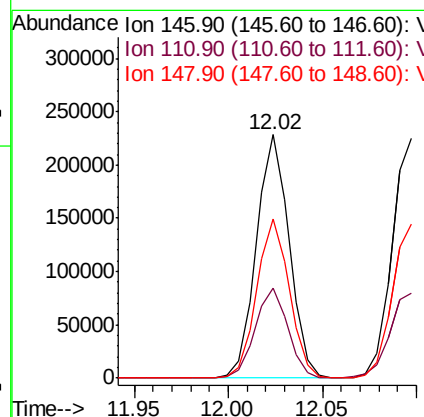
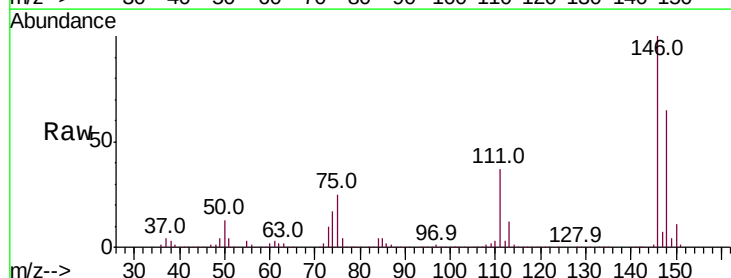
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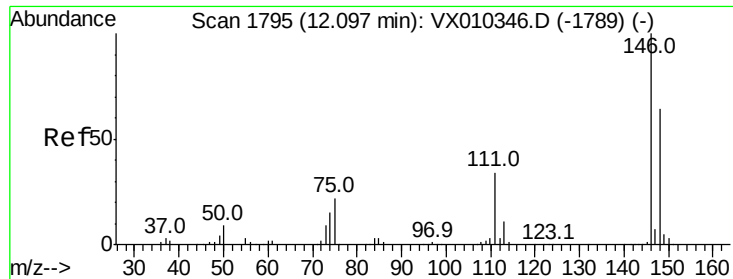
MMDadoda
 6/27/2019 10:11:43 AM



#87
 1,3-Dichlorobenzene
 Concen: 47.724 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	276211		
111	36.9		19.1	57.1
148	64.7		32.5	97.4





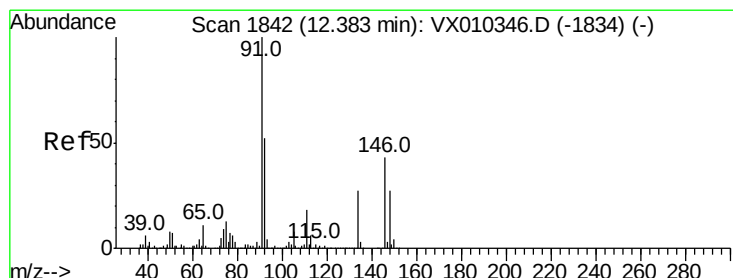
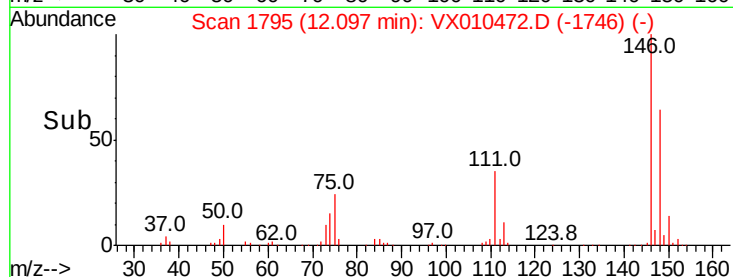
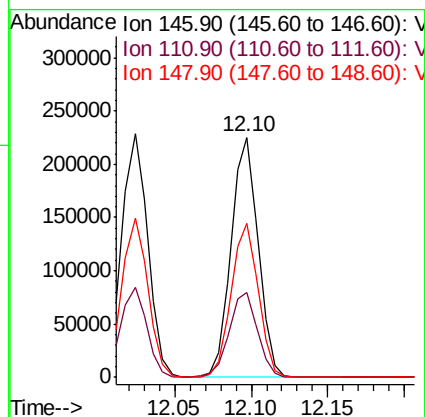
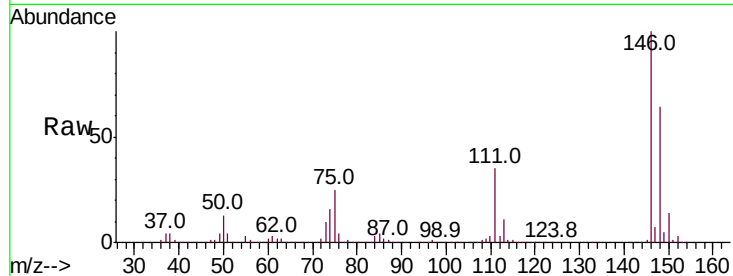
#88
1,4-Dichlorobenzene
Concen: 46.765 ug/l
RT: 12.10 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Instrument :
MSVOA_X
ClientSampleId :
CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.3
148	64.3	32.1	96.3

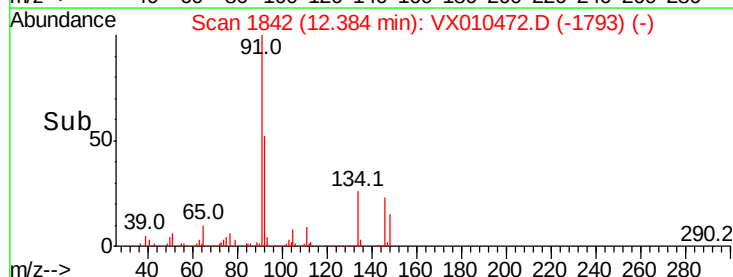
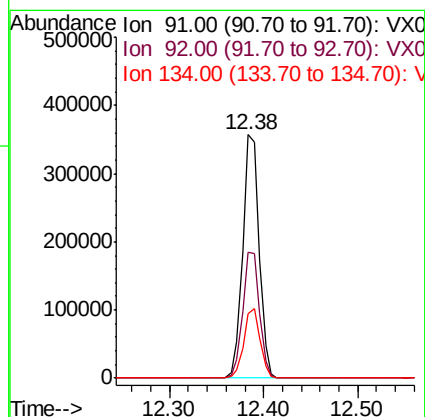
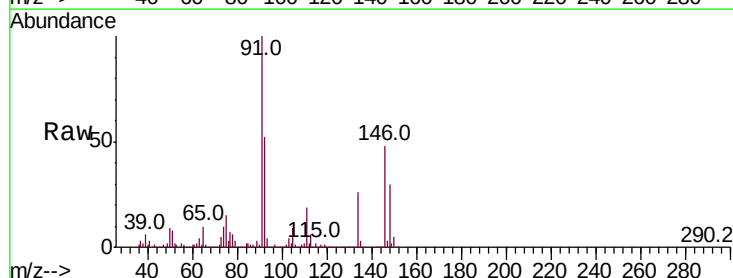
Manual Integrations
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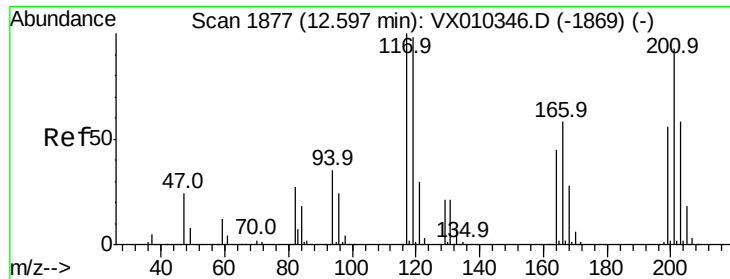
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#89
n-Butylbenzene
Concen: 47.630 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010472.D
Acq: 26 Jun 2019 18:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.5
134	28.3	14.1	42.4





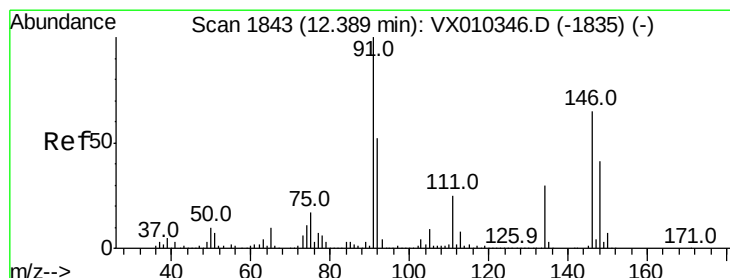
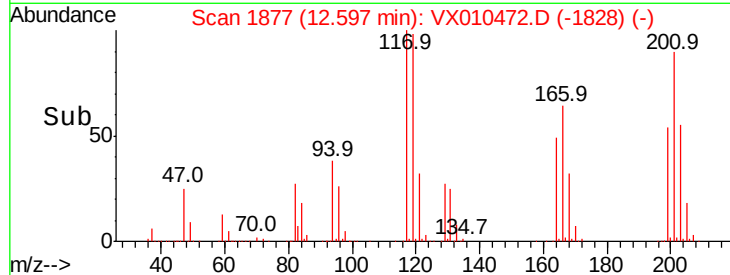
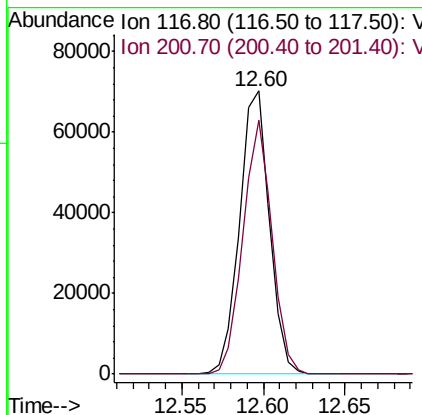
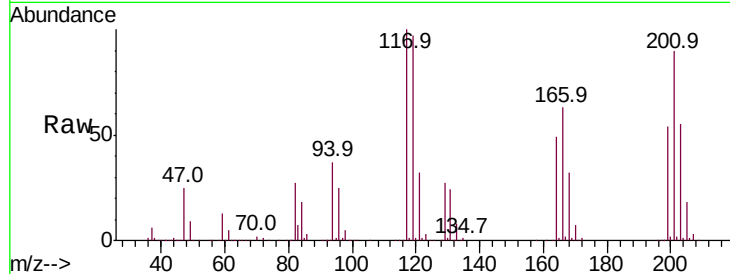
#90
 Hexachloroethane
 Concen: 48.683 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:117 Resp: 89822
 Ion Ratio Lower Upper
 117 100
 201 86.8 44.0 131.8

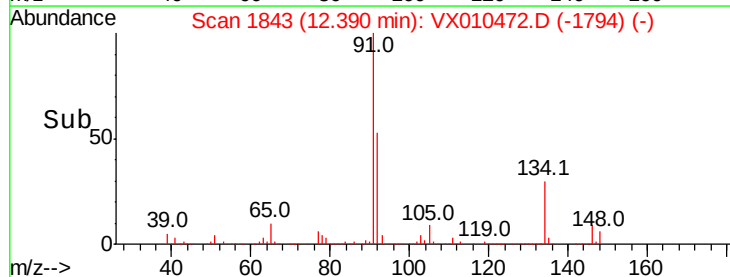
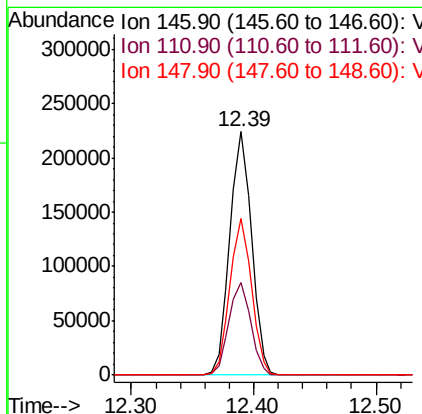
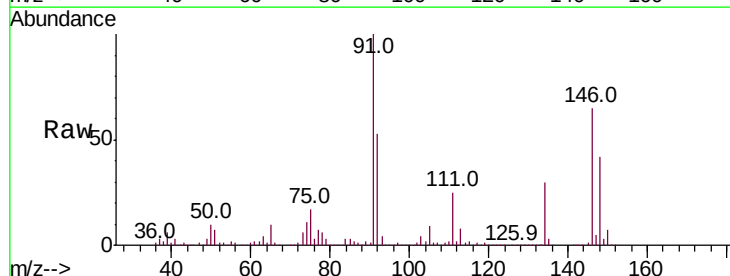
Manual Integrations
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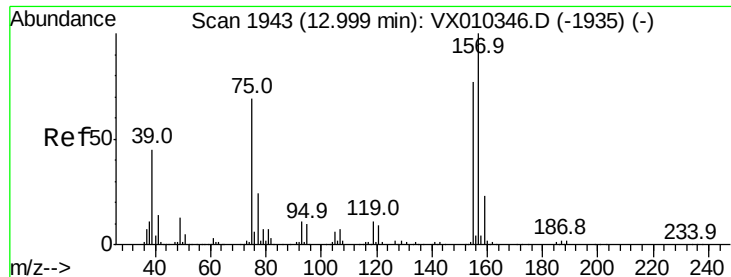
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 6/27/2019 10:11:43 AM



#91
 1,2-Dichlorobenzene
 Concen: 47.983 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Tgt Ion:146 Resp: 276011
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.2 57.6
 148 63.8 32.0 96.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 46.870 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion: 75 Resp: 39739

Ion Ratio Lower Upper

75 100

155 108.4 54.4 163.1

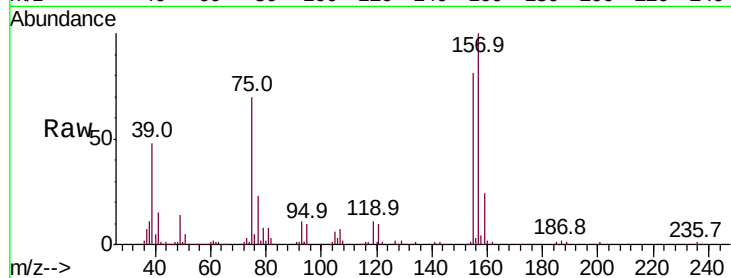
157 137.1 69.5 208.3

Manual Integrations

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MMDadoda

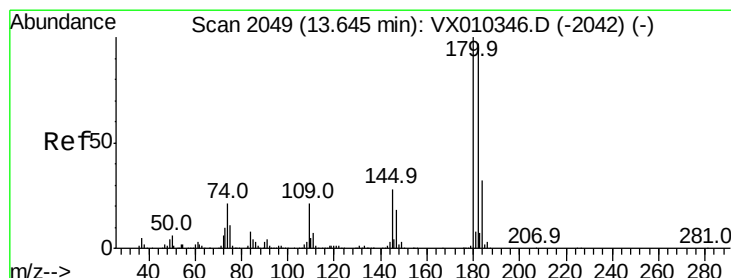
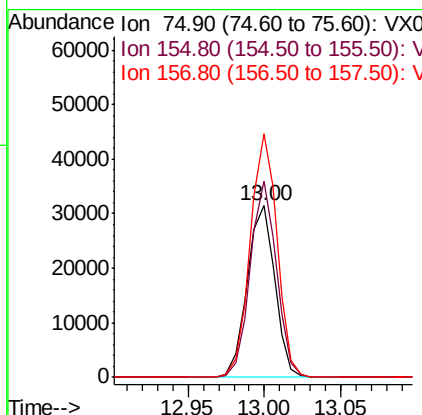
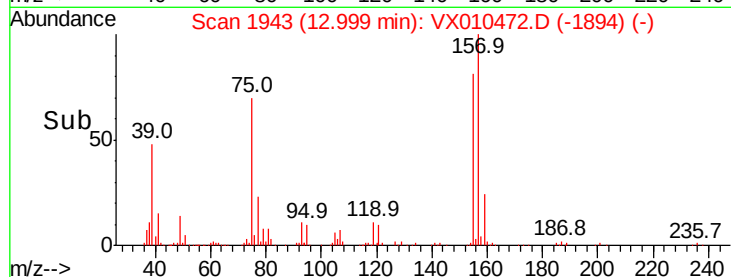
6/27/2019 10:11:43 AM



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 47.121 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

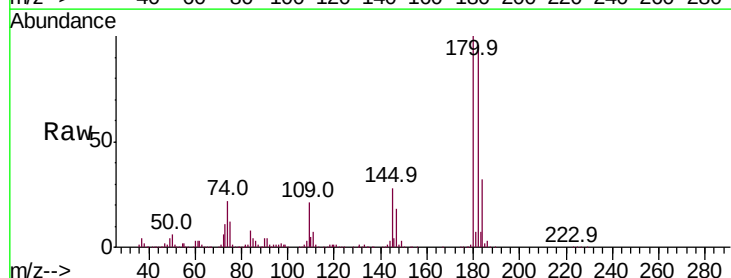
Tgt Ion:180 Resp: 187968

Ion Ratio Lower Upper

180 100

182 95.7 48.0 144.0

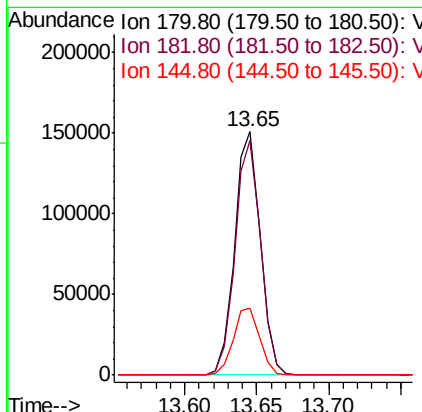
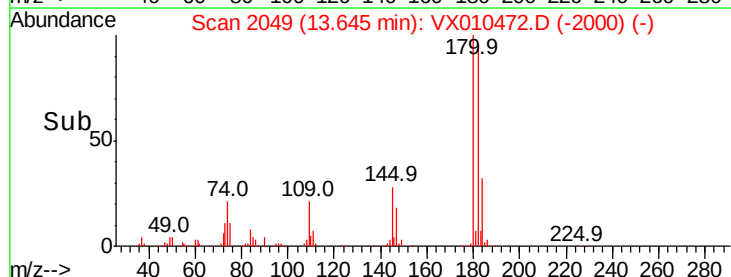
145 28.3 14.4 43.4

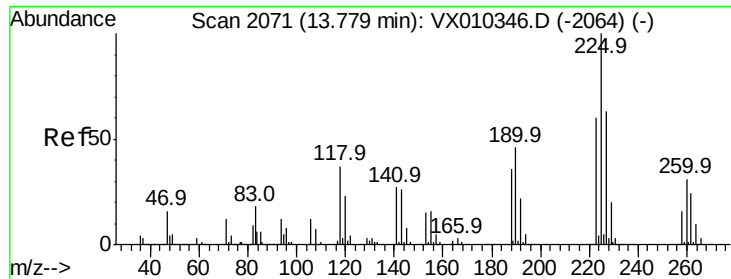


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 44.046 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Instrument :

MSVOA_X

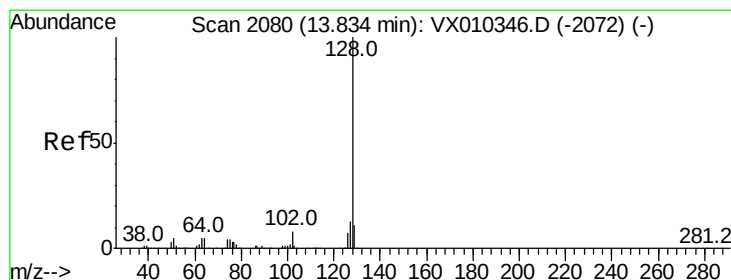
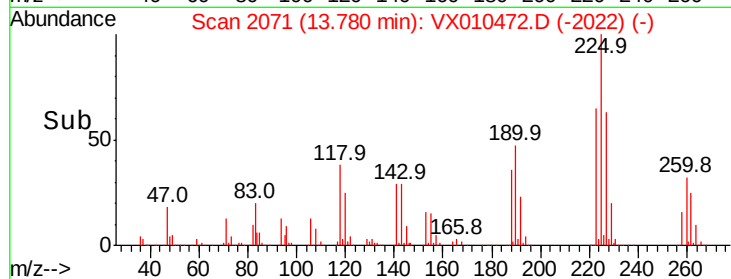
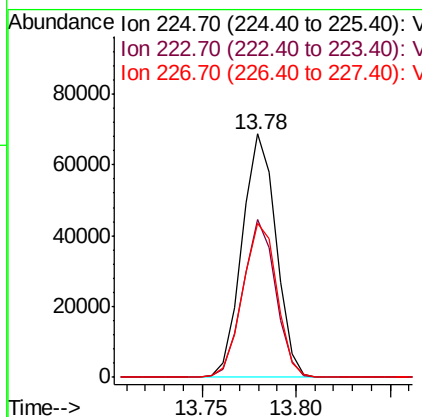
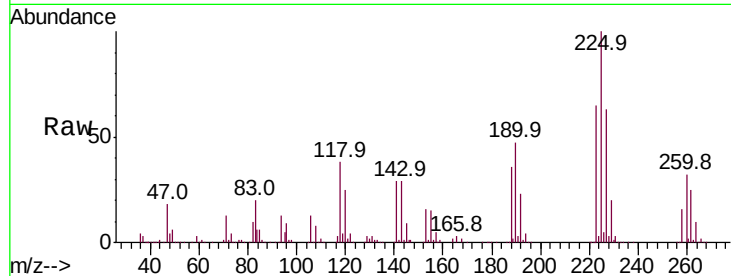
ClientSampleId :

CPA-GMW-5S-R-M24W1-061919MS

Tot Ion:	225	Resp:	85871
Ion Ratio	Lower	Upper	
225	100		
223	62.6	30.9	92.7
227	64.0	31.9	95.5

Manual Integrations
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6/27/2019 10:11:43 AM



#95

Naphthalene

Concen: 48.559 ug/l

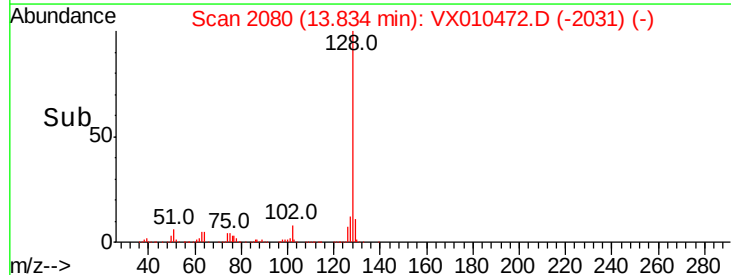
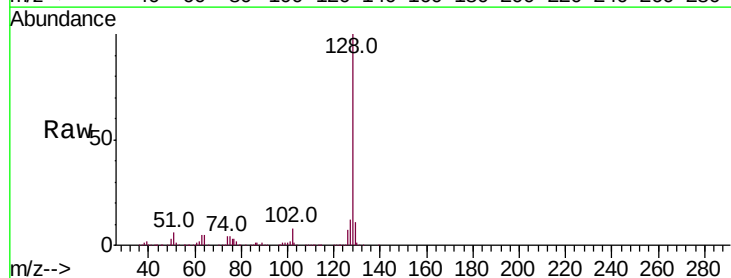
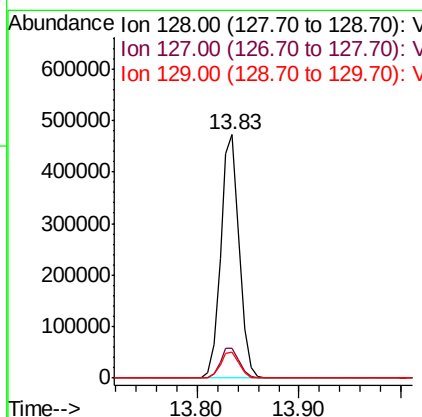
RT: 13.83 min Scan# 2080

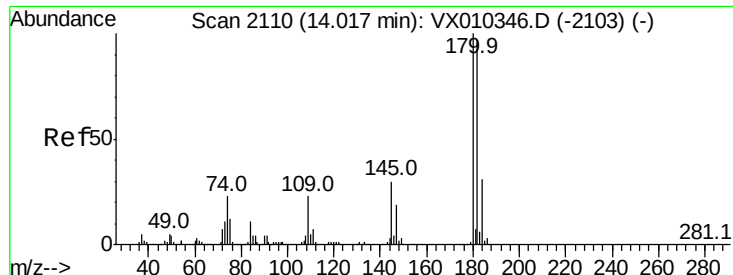
Delta R.T. 0.00 min

Lab File: VX010472.D

Acq: 26 Jun 2019 18:53

Tgt Ion:	128	Resp:	595266
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.2	15.4
129	11.0	8.9	13.3





#96
 1,2,3-Trichlorobenzene
 Concen: 47.708 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010472.D
 Acq: 26 Jun 2019 18:53

Instrument :
 MSVOA_X
 ClientSampleId :
 CPA-GMW-5S-R-M24W1-061919MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.8	143.3	
145	30.0	15.2	45.6	

Manual Integrations
 APPROVED

MMDadoda
 6/27/2019 10:11:43 AM

