

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061919\
 Data File : VX010348.D
 Acq On : 19 Jun 2019 14:14
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/20/2019 1:23:37 PM

Quant Time: Jun 20 03:30:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:08:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	282007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	428035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	395847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	405456	147.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.16%	
35) Dibromofluoromethane	5.50	113	399698	150.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	300.88%	
50) Toluene-d8	8.71	98	1517540	152.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	304.28%	
62) 4-Bromofluorobenzene	11.13	95	565157	152.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	296845	121.519	ug/l	100
3) Chloromethane	1.32	50	337872	134.319	ug/l	99
4) Vinyl Chloride	1.41	62	371621	154.078	ug/l	98
5) Bromomethane	1.64	94	161789	168.277	ug/l	100
7) Trichlorofluoromethane	1.92	101	608443	166.468	ug/l	99
8) Diethyl Ether	2.19	74	210358	164.726	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	355752	144.232	ug/l	100
10) Methyl Iodide	2.50	142	568099	150.725	ug/l	99
11) Tert butyl alcohol	3.07	59	492925	733.255	ug/l	99
12) 1,1-Dichloroethene	2.36	96	371289	147.227	ug/l	99
13) Acrolein	2.29	56	346361	1900.638	ug/l	99
14) Allvl chloride	2.72	41	548019	144.692	ug/l	100
15) Acrylonitrile	3.15	53	1057620	766.629	ug/l	100
16) Acetone	2.45	43	1004925	762.946	ug/l	99
17) Carbon Disulfide	2.56	76	1019253	140.954	ug/l	99
18) Methyl Acetate	2.78	43	406638	143.706	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1186510	146.745	ug/l	99
20) Methylene Chloride	2.85	84	417243	147.236	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	399435	143.368	ug/l	98
22) Diisopropyl ether	3.86	45	1114296	152.913	ug/l	88
23) Vinyl Acetate	3.82	43	5046429	776.092	ug/l	100
24) 1,1-Dichloroethane	3.70	63	649513	146.995	ug/l	100
25) 2-Butanone	4.68	43	1517483	782.260	ug/l	98
26) 2,2-Dichloropropane	4.58	77	550361	137.983	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	467612	150.333	ug/l	100
28) Bromochloromethane	5.01	49	292990	147.046	ug/l	99
29) Tetrahydrofuran	5.13	42	930977	766.563	ug/l	100
30) Chloroform	5.21	83	692822	150.922	ug/l	97
31) Cyclohexane	5.57	56	583829	147.277	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	625877	145.276	ug/l	100
36) 1,1-Dichloropropene	5.80	75	513253	147.165	ug/l	99
37) Ethyl Acetate	4.84	43	557885	153.035	ug/l	99
38) Carbon Tetrachloride	5.78	117	578813	146.899	ug/l	97
39) Methylcyclohexane	7.46	83	672743	142.154	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	6.14	78	1608640	148.824	ug/l	100
41) Methacrylonitrile	5.05	41	296462	150.830	ug/l	100
42) 1,2-Dichloroethane	6.19	62	504271	146.695	ug/l	99
43) Isopropyl Acetate	6.45	43	923612	152.182	ug/l	99
44) Trichloroethene	7.21	130	483928	148.369	ug/l	100
45) 1,2-Dichloropropane	7.51	63	405544	149.909	ug/l	100
46) Dibromomethane	7.66	93	297487	146.658	ug/l	99
47) Bromodichloromethane	7.90	83	566039	150.305	ug/l	99
48) Methyl methacrylate	7.77	41	443168	156.675	ug/l	99
49) 1,4-Dioxane	7.74	88	231824	2864.819	ug/l	99
51) 4-Methyl-2-Pentanone	8.65	43	2826985	775.697	ug/l	99
52) Toluene	8.79	92	1061210	148.938	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	654689	151.153	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	690033	147.906	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	445598	152.871	ug/l	100
56) Ethyl methacrylate	9.18	69	702638	153.540	ug/l	99
57) 1,3-Dichloropropane	9.37	76	697397	152.049	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	1624569	751.991	ug/l	99
59) 2-Hexanone	9.49	43	2242078	770.604	ug/l	99
60) Dibromochloromethane	9.58	129	532574	155.457	ug/l	100
61) 1,2-Dibromoethane	9.67	107	490227	151.403	ug/l	100
64) Tetrachloroethene	9.34	164	446313	149.195	ug/l	100
65) Chlorobenzene	10.14	112	1219141	149.233	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	469536	149.989	ug/l	99
67) Ethyl Benzene	10.25	91	2074230	149.099	ug/l	100
68) m/p-Xylenes	10.36	106	1582268	293.623	ug/l	99
69) o-Xylene	10.70	106	779862	145.867	ug/l	100
70) Stvrene	10.71	104	1359525	150.364	ug/l	99
71) Bromoform	10.86	173	435236	151.791	ug/l #	100
73) Isopropylbenzene	11.02	105	2075723	146.721	ug/l	99
74) N-amyl acetate	10.90	43	851064	152.231	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	694528	143.671	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	551135m	136.675	ug/l	
77) Bromobenzene	11.26	156	562918	144.349	ug/l	98
78) n-propylbenzene	11.36	91	2349323	149.109	ug/l	100
79) 2-Chlorotoluene	11.42	91	1360237	144.115	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1715867	143.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	265451	147.376	ug/l	98
82) 4-Chlorotoluene	11.51	91	1584382	147.727	ug/l	99
83) tert-Butylbenzene	11.77	119	1766049	146.615	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	1769004	146.689	ug/l	100
85) sec-Butylbenzene	11.94	105	2061056	146.580	ug/l	99
86) p-Isopropyltoluene	12.06	119	1917268	148.946	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	1024520	149.438	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	1013556	146.145	ug/l	100
89) n-Butylbenzene	12.38	91	1693263	152.962	ug/l	99
90) Hexachloroethane	12.60	117	367506	145.400	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	981890	146.733	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	158215	140.903	ug/l	97
93) 1,2,4-Trichlorobenzene	13.65	180	738551	150.936	ug/l	99

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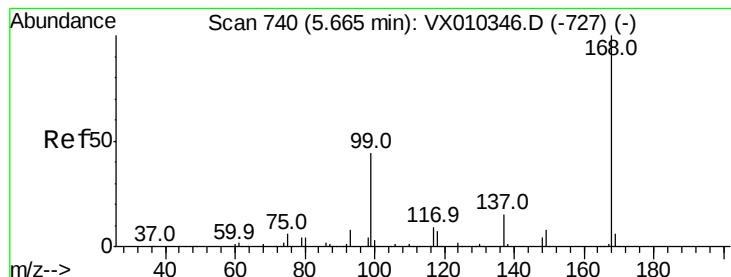
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	344472	155.922	ug/l	99
95) Naphthalene	13.83	128	2297783	149.782	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	729657	150.531	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 282007

Ion Ratio Lower Upper

168 100

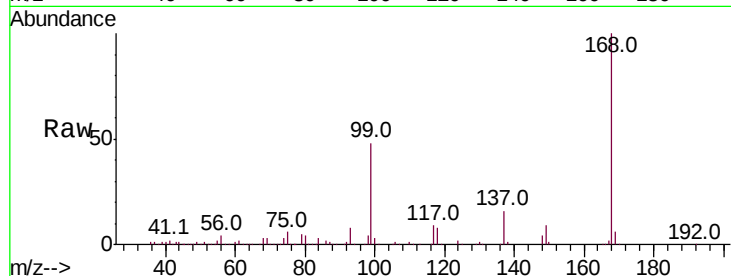
99 48.2 35.5 53.3

Manual Integrations

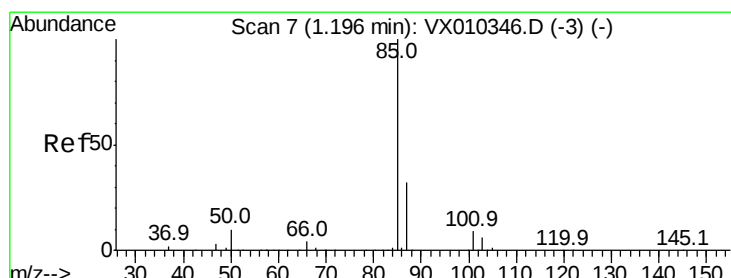
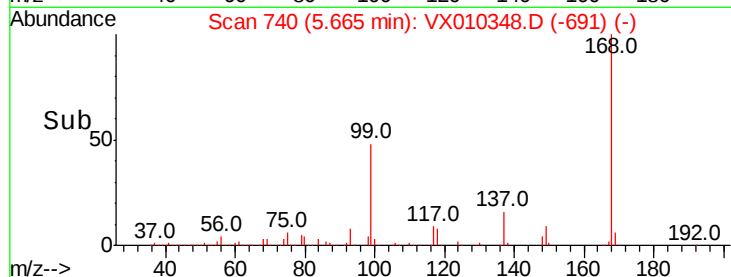
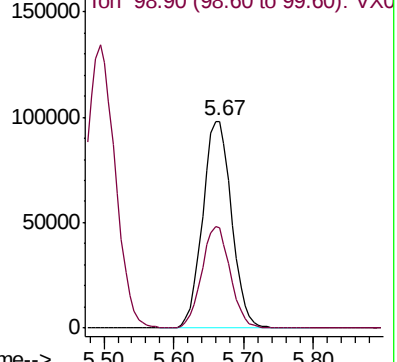
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Abundance Ion 167.90 (167.60 to 168.60): VX010346.D (-727) (-)



#2

Dichlorodifluoromethane

Concen: 121.519 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010348.D

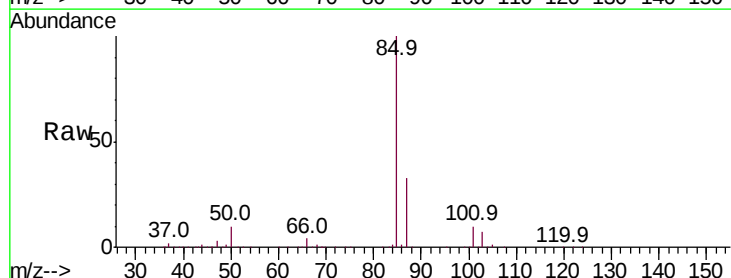
Acq: 19 Jun 2019 14:14

Tgt Ion: 85 Resp: 296845

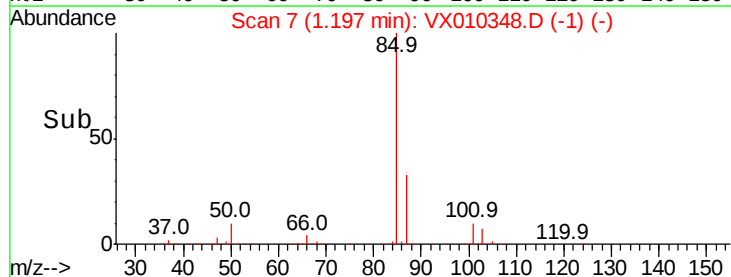
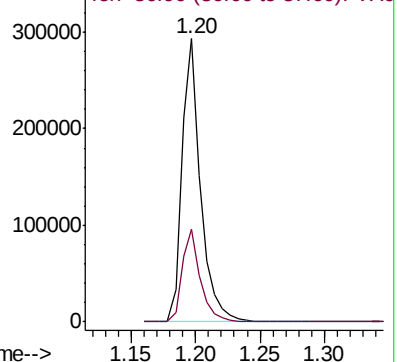
Ion Ratio Lower Upper

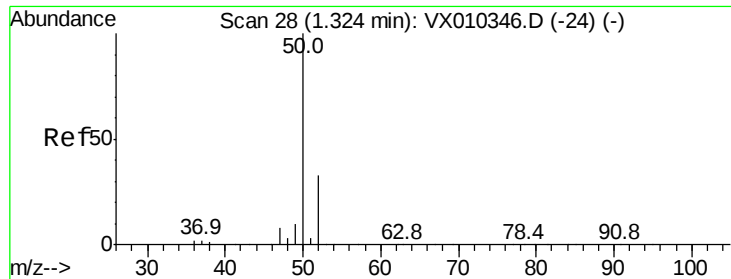
85 100

87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX010346.D (-3) (-)





#3

Chloromethane

Concen: 134.319 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 337872

Ion Ratio Lower Upper

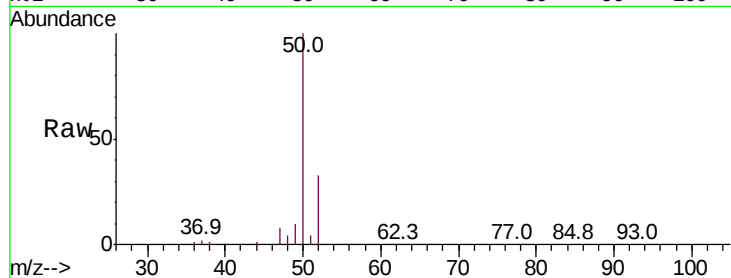
50 100

52 32.8 26.5 39.7

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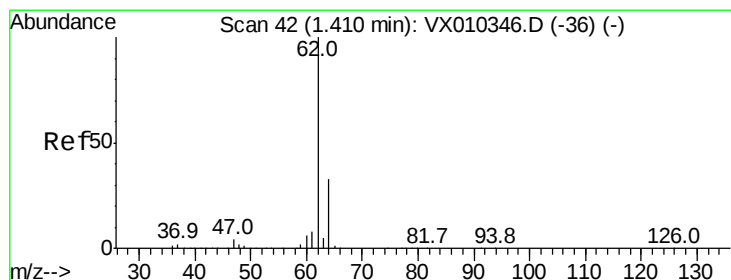
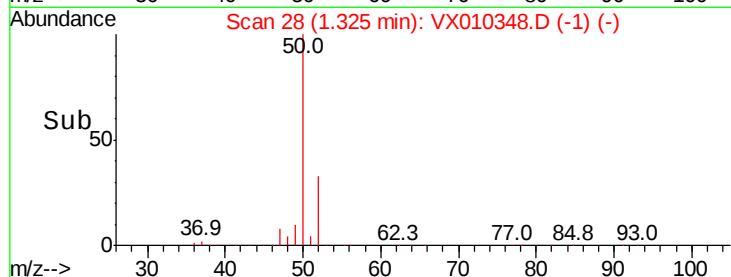
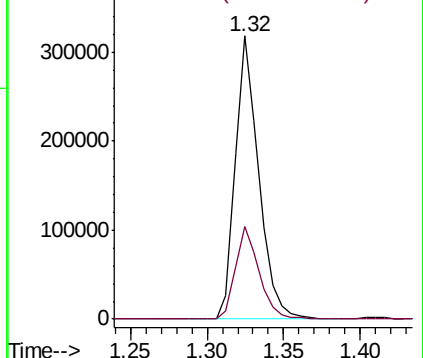
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 154.078 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010348.D

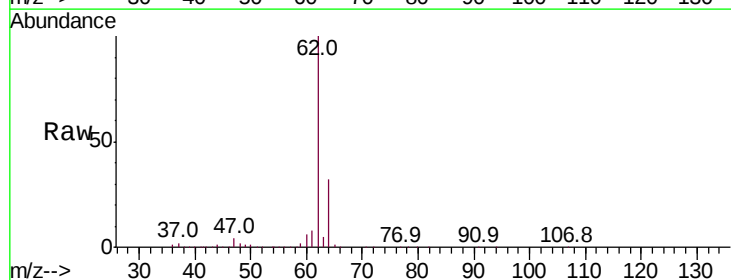
Acq: 19 Jun 2019 14:14

Tgt Ion: 62 Resp: 371621

Ion Ratio Lower Upper

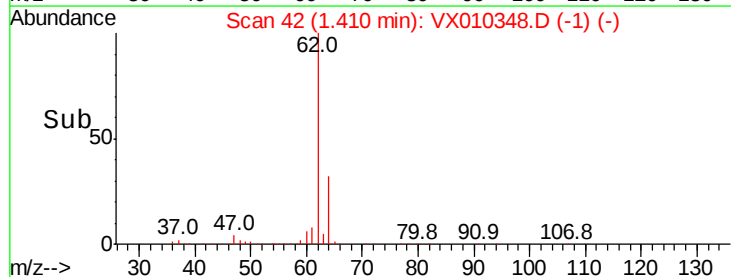
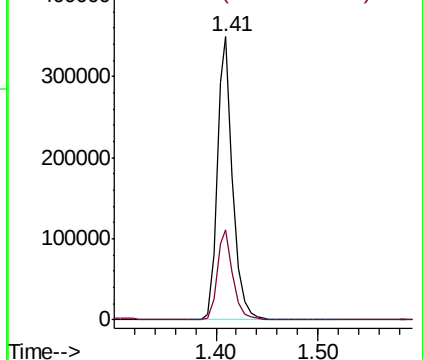
62 100

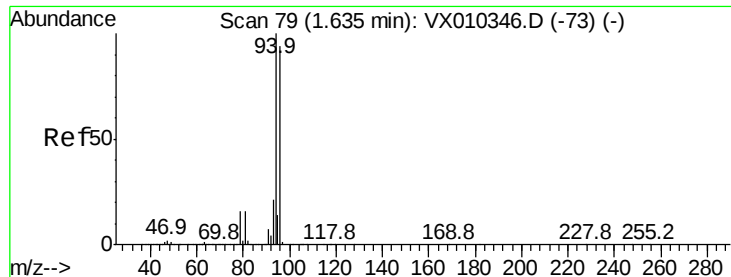
64 31.8 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 168.277 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 161789

Ion Ratio Lower Upper

94 100

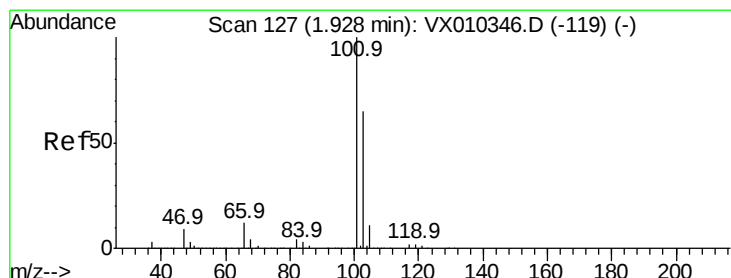
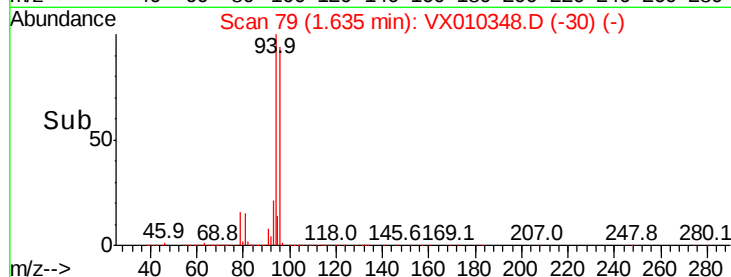
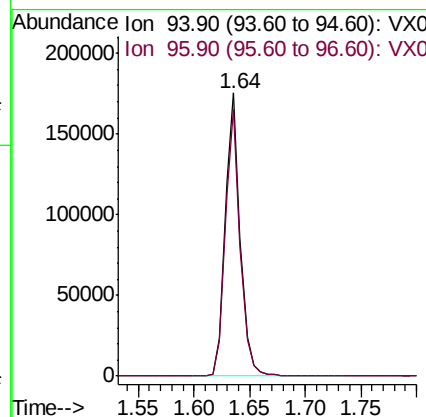
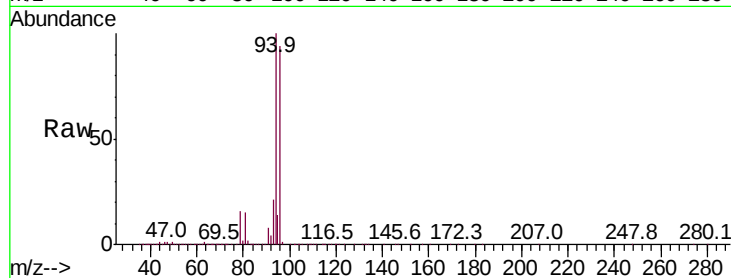
96 94.4 75.5 113.3

Manual Integrations

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#7

Trichlorofluoromethane

Concen: 166.468 ug/l

RT: 1.92 min Scan# 125

Delta R.T. -0.01 min

Lab File: VX010348.D

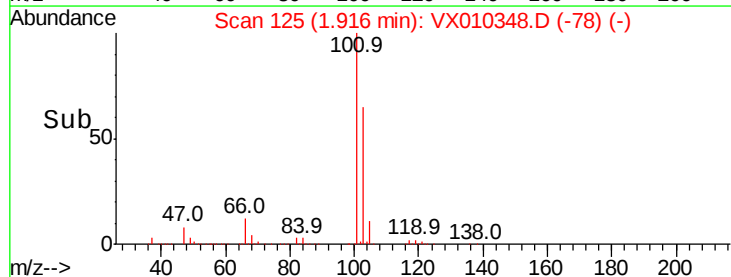
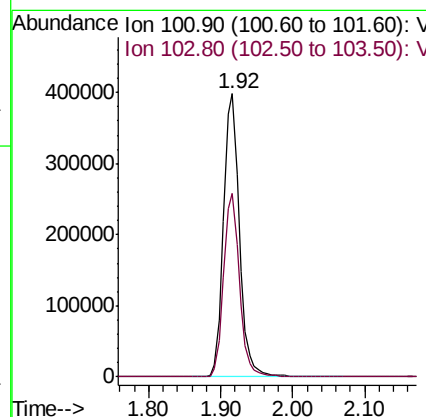
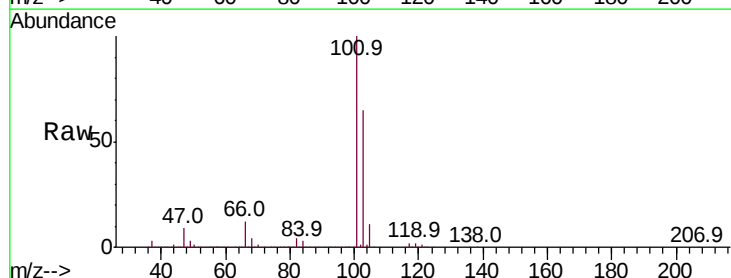
Acq: 19 Jun 2019 14:14

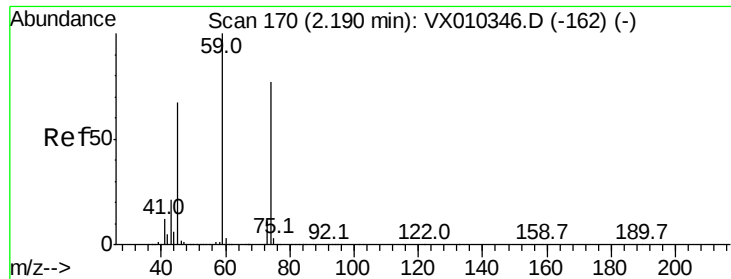
Tgt Ion: 101 Resp: 608443

Ion Ratio Lower Upper

101 100

103 64.8 52.3 78.5





#8

Diethyl Ether

Concen: 164.726 ug/l

RT: 2.19 min Scan# 170

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 74 Resp: 210358

Ion Ratio Lower Upper

74 100

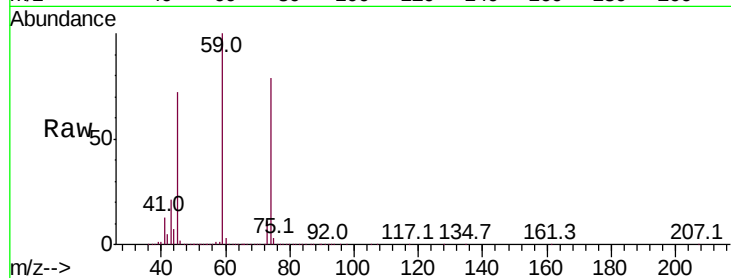
45 91.3 44.8 134.4

Manual Integrations

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Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

150000

100000

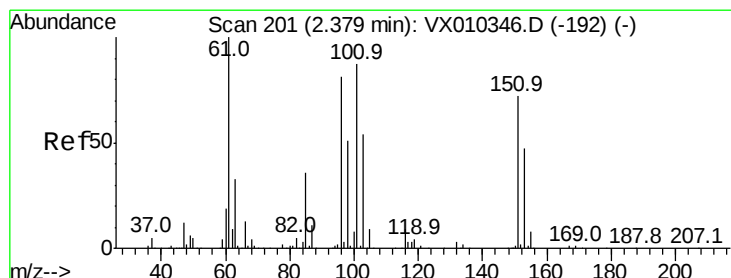
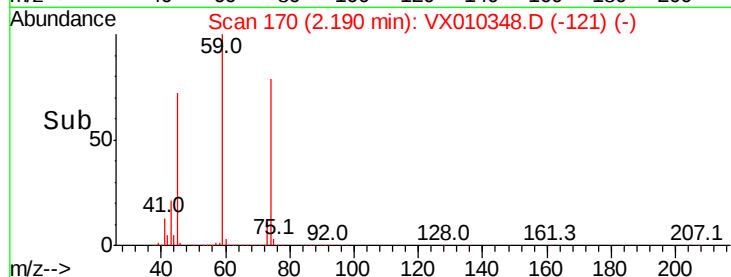
50000

0

2.19

2.10 2.20 2.30

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.232 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

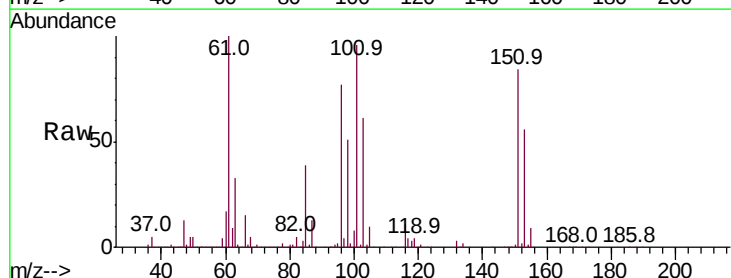
Tgt Ion:101 Resp: 355752

Ion Ratio Lower Upper

101 100

85 41.9 33.7 50.5

151 87.8 70.1 105.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

250000

200000

150000

100000

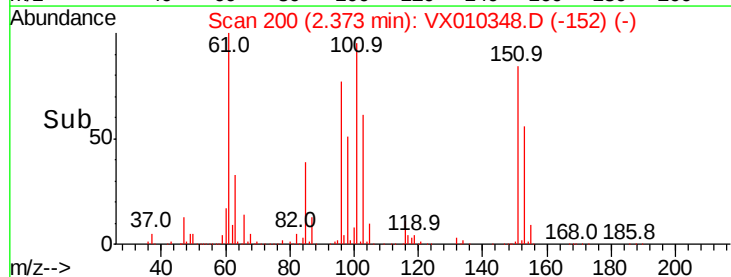
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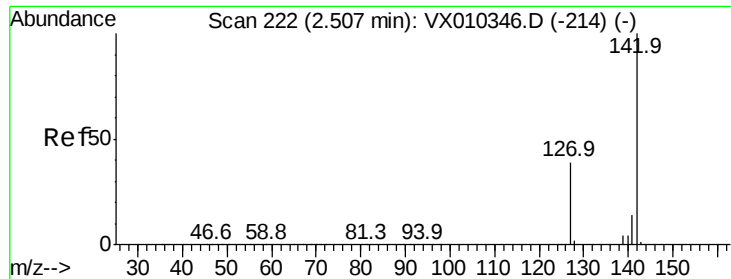
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2.37

2.30 2.40 2.50

Time-->





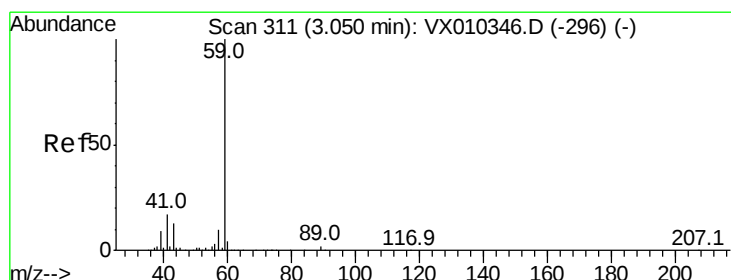
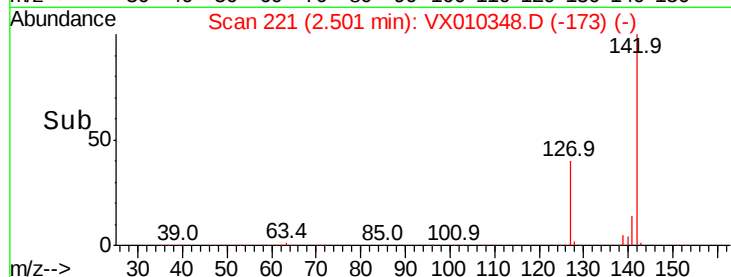
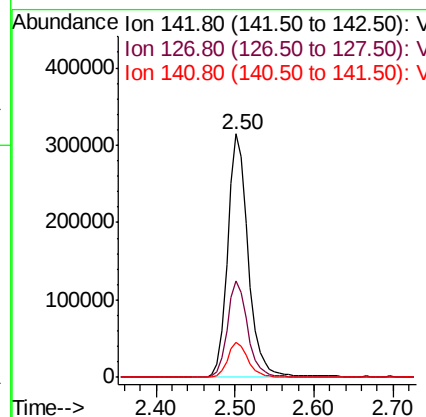
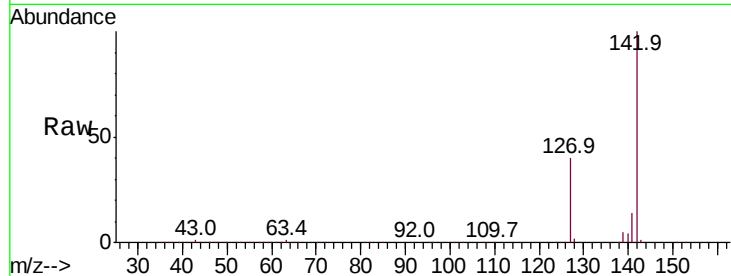
#10
Methyl Iodide
Concen: 150.725 ug/l
RT: 2.50 min Scan# 221
Delta R.T. -0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.4	31.1	46.7
141	14.2	11.2	16.8

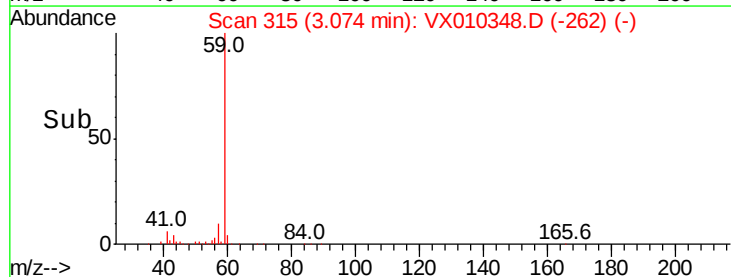
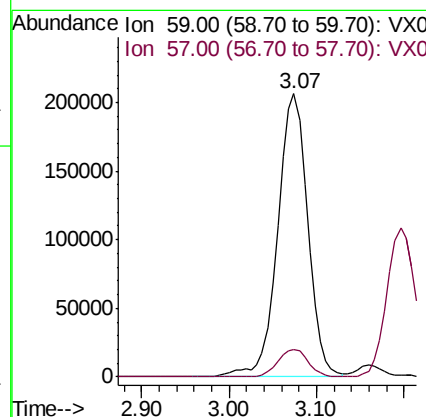
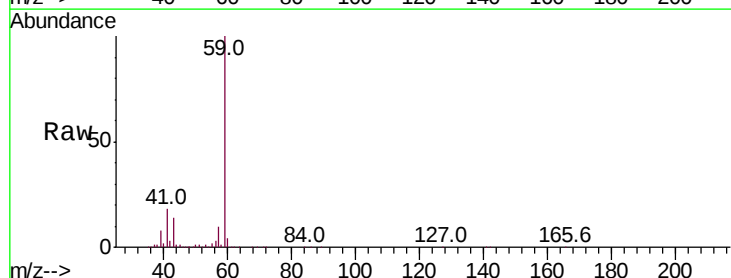
Manual Integrations
APPROVED

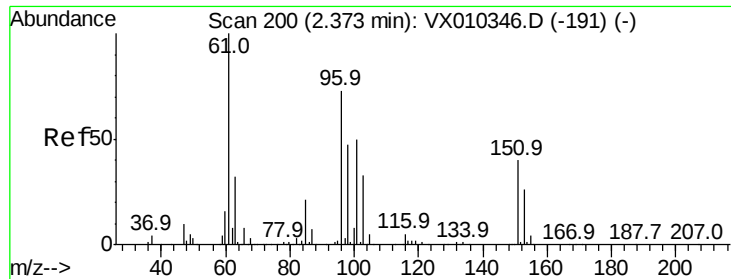
MMDadoda
6/20/2019 1:23:37 PM



#11
Tert butyl alcohol
Concen: 733.255 ug/l
RT: 3.07 min Scan# 315
Delta R.T. 0.02 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.7	11.5





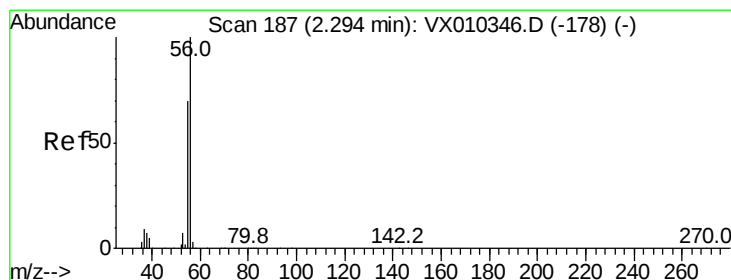
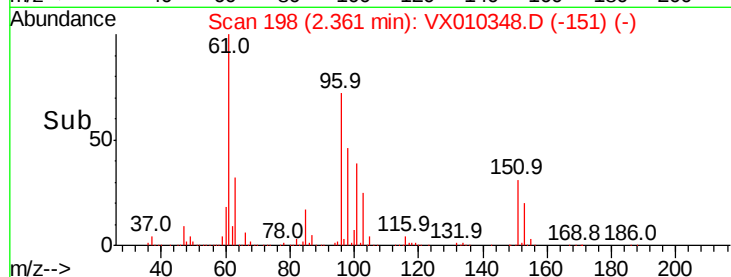
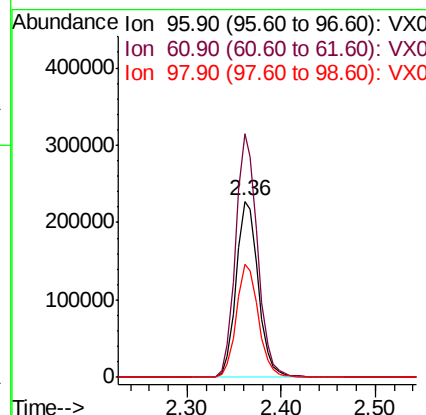
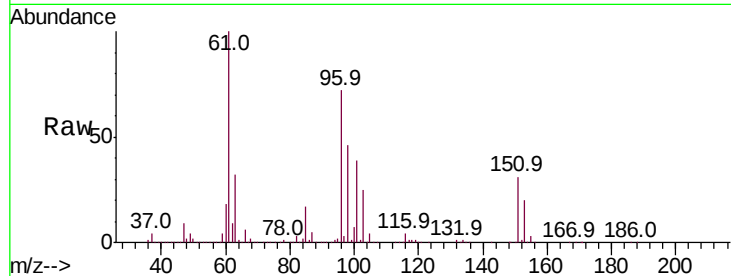
#12
1,1-Dichloroethene
Concen: 147.227 ug/l
RT: 2.36 min Scan# 198
Delta R.T. -0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	109.2	163.8
98	64.0	51.1	76.7

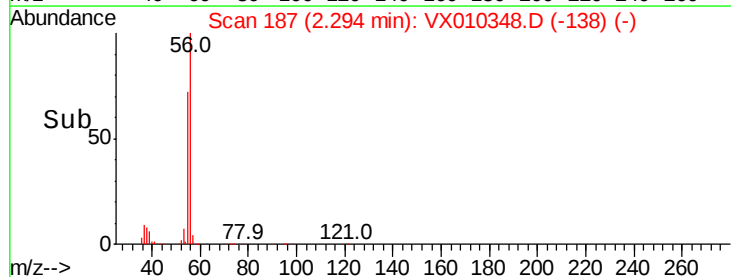
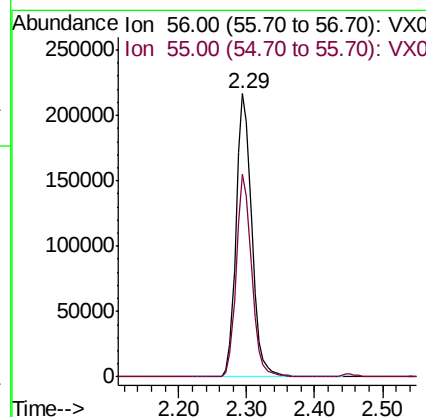
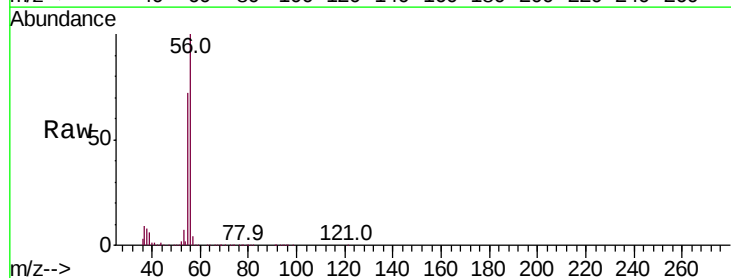
Manual Integrations
APPROVED

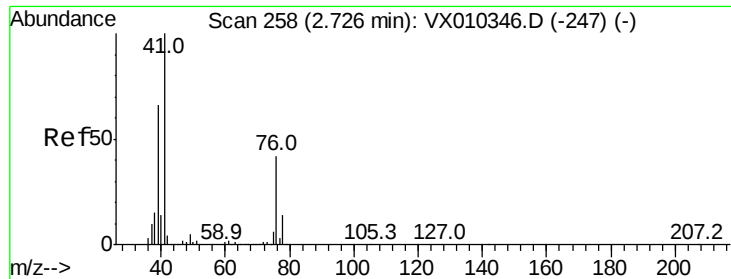
MMDadoda
6/20/2019 1:23:37 PM



#13
Acrolein
Concen: 1900.638 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.6	56.9	85.3





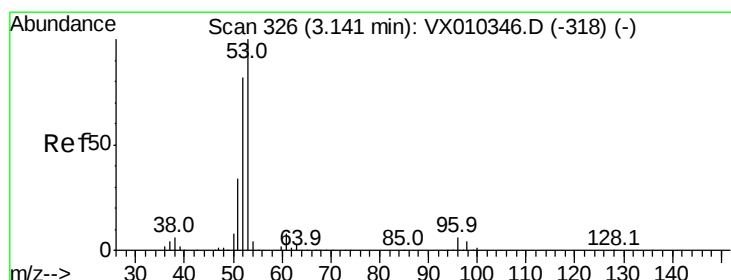
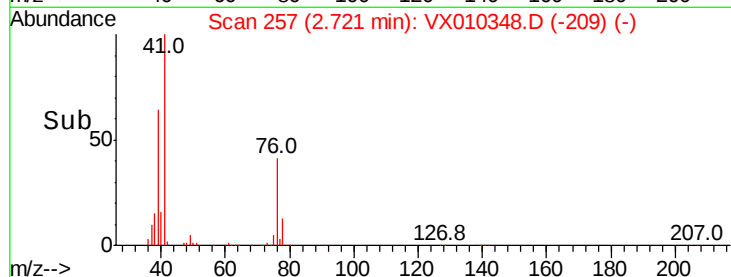
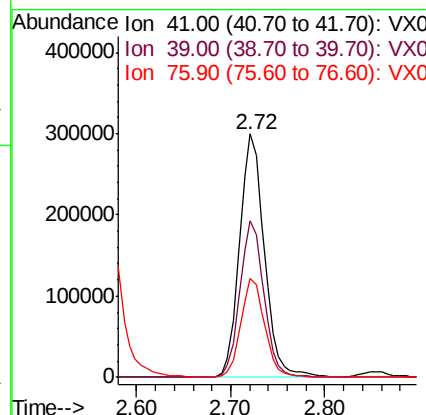
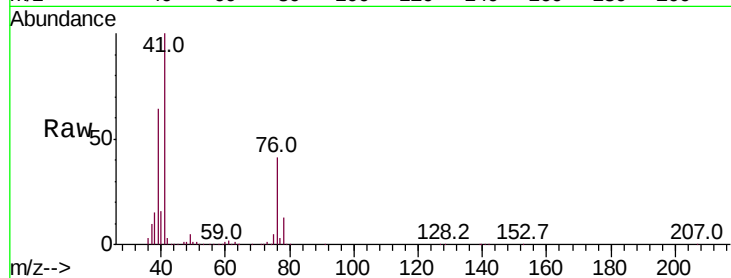
#14
Allvl chloride
Concen: 144.692 ug/l
RT: 2.72 min Scan# 257
Delta R.T. -0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.5	50.3	75.5
76	39.2	31.3	46.9

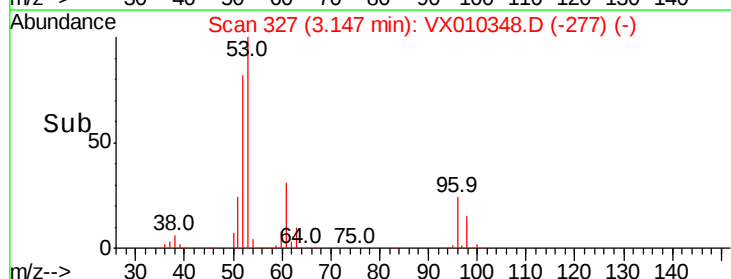
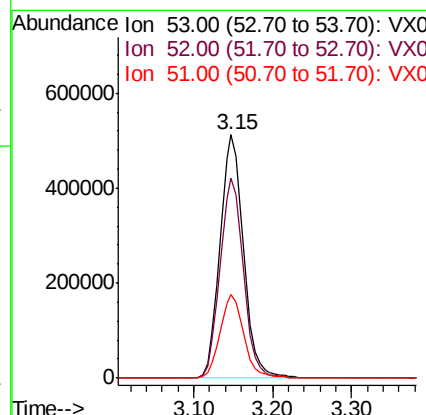
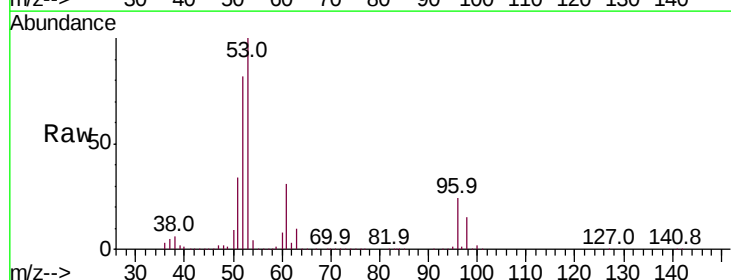
Manual Integrations
APPROVED

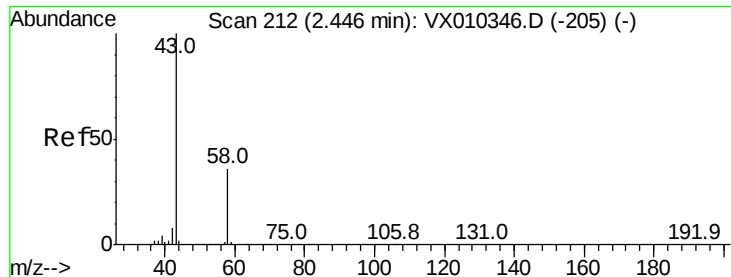
MMDadoda
6/20/2019 1:23:37 PM



#15
Acrylonitrile
Concen: 766.629 ug/l
RT: 3.15 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.5	98.3
51	34.9	28.2	42.4





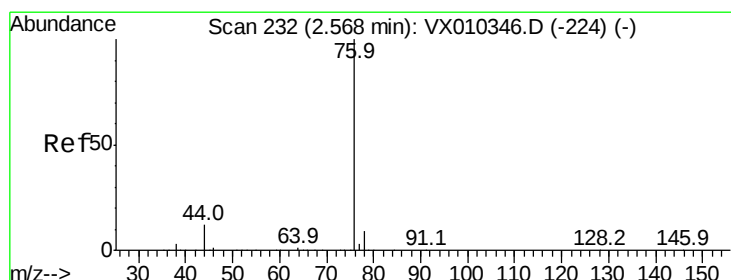
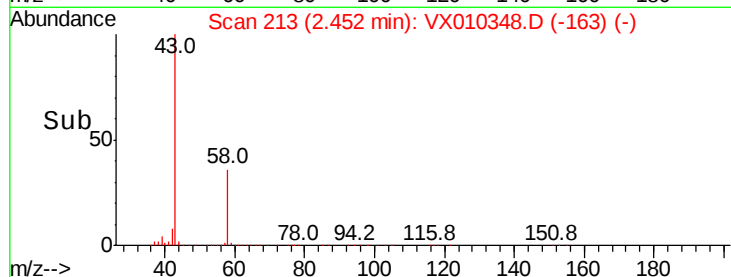
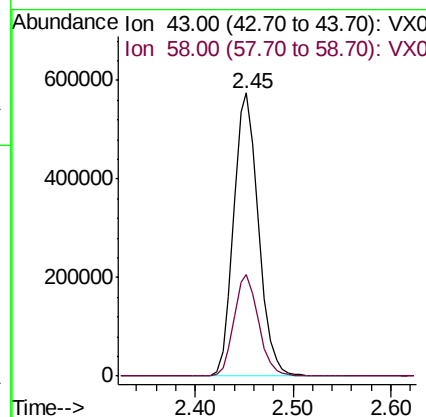
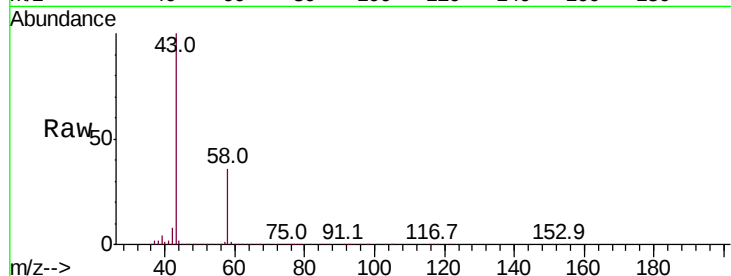
#16
Acetone
Concen: 762.946 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1004925
Ion Ratio Lower Upper
43 100
58 35.7 28.9 43.3

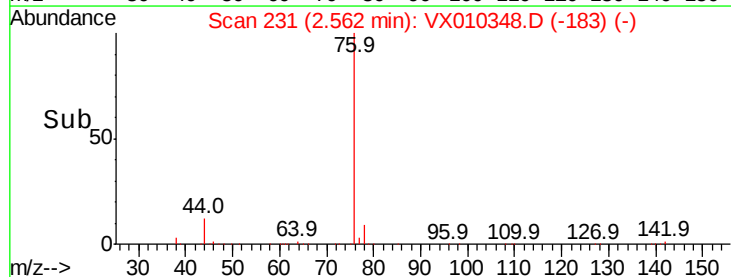
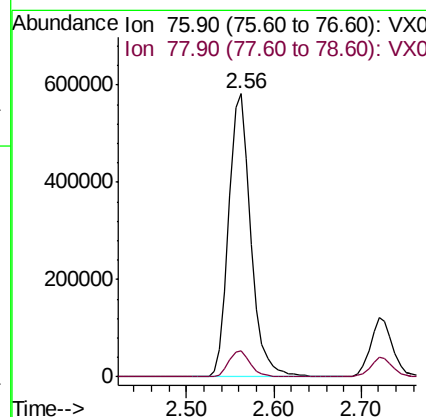
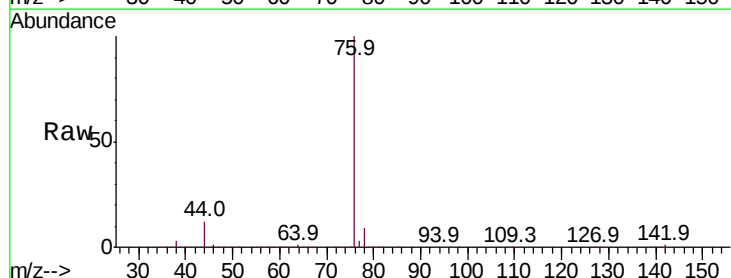
Manual Integrations
APPROVED

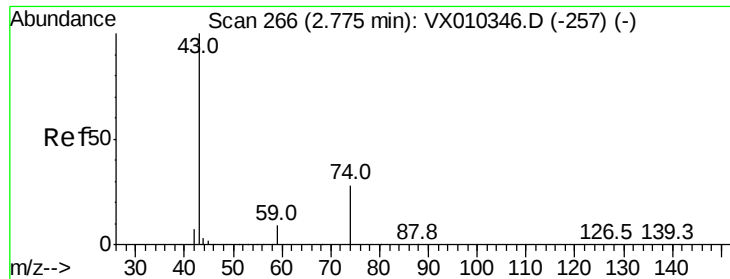
MMDadoda
6/20/2019 1:23:37 PM



#17
Carbon Disulfide
Concen: 140.954 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion: 76 Resp: 1019253
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9





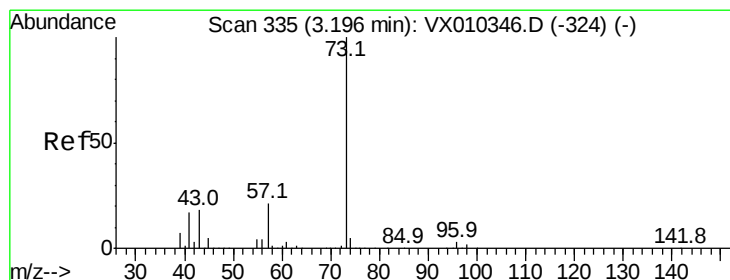
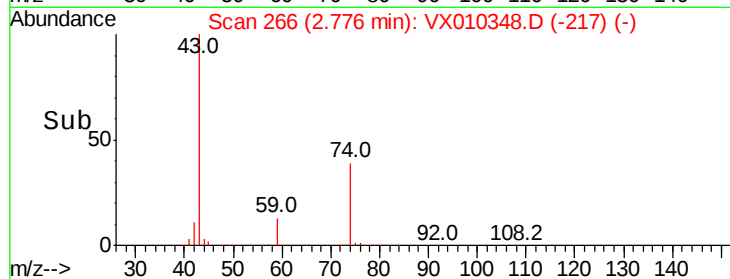
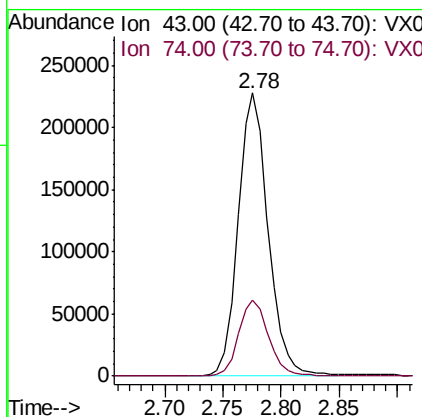
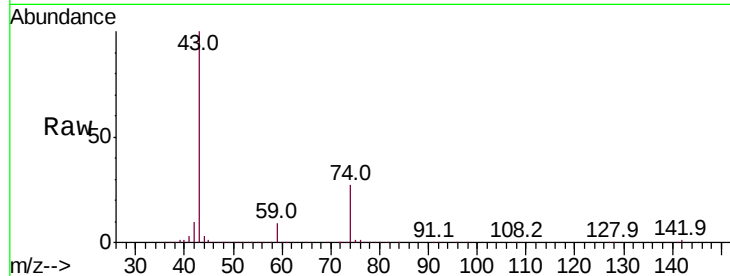
#18
Methyl Acetate
Concen: 143.706 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 406638
Ion Ratio Lower Upper
43 100
74 27.0 21.3 31.9

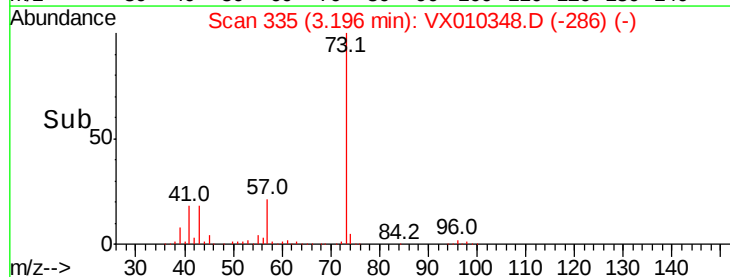
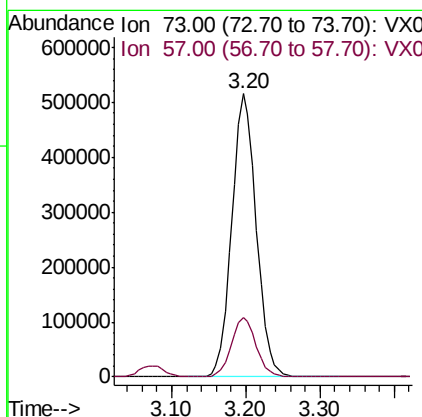
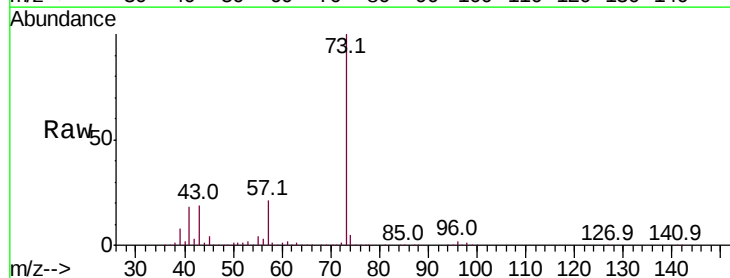
Manual Integrations
APPROVED

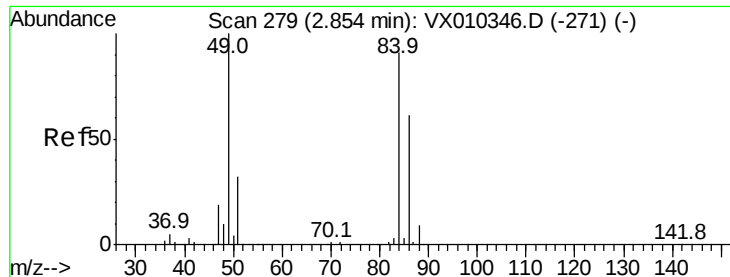
MMDadoda
6/20/2019 1:23:37 PM



#19
Methyl tert-butyl Ether
Concen: 146.745 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion: 73 Resp: 1186510
Ion Ratio Lower Upper
73 100
57 21.0 16.4 24.6





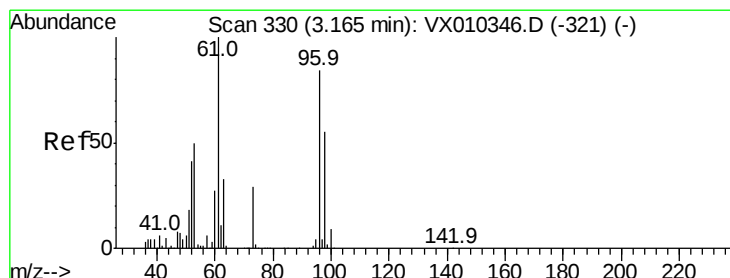
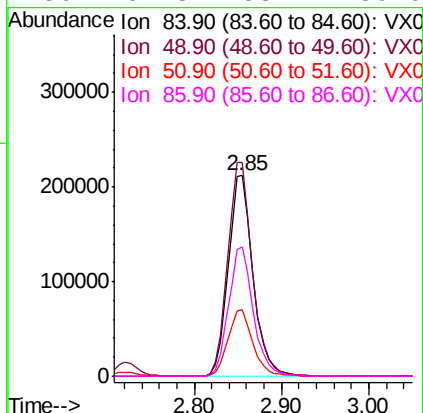
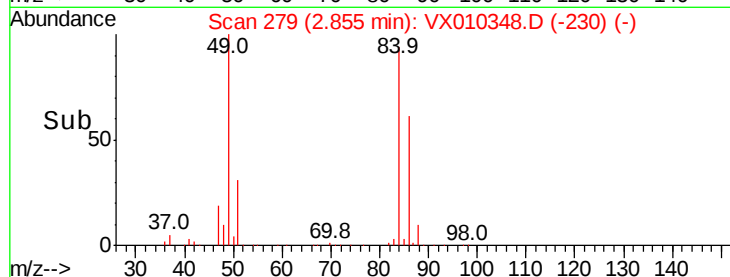
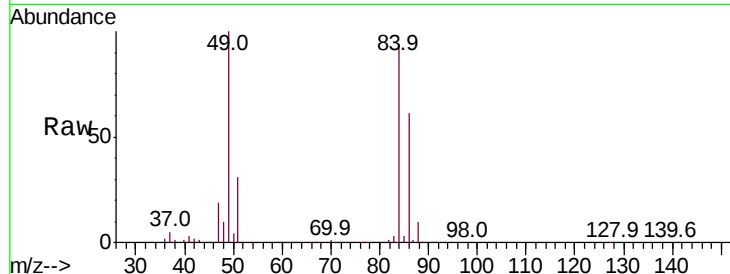
#20
Methvlene Chloride
Concen: 147.236 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
84	100		
49	106.4	87.5	131.3
51	33.0	27.7	41.5
86	64.8	53.4	80.0

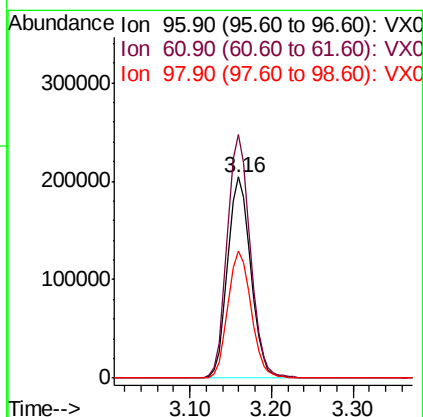
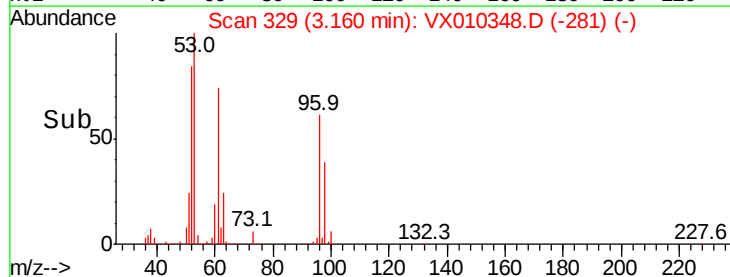
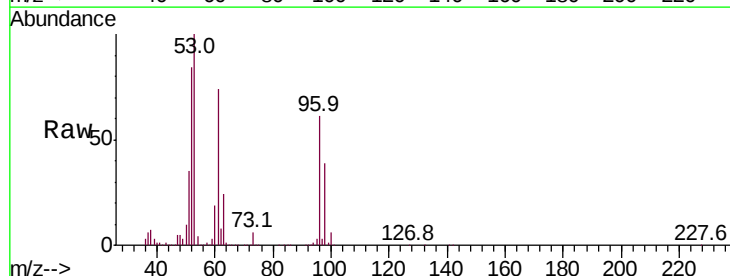
Manual Integrations
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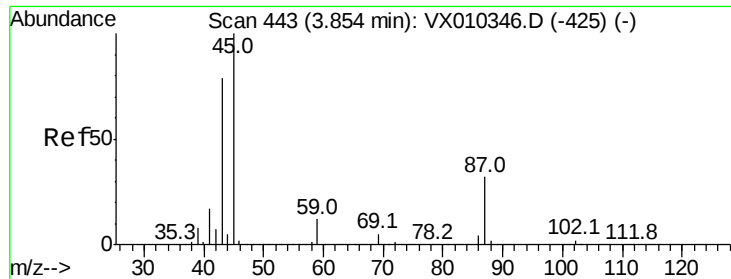
MMDadoda
6/20/2019 1:23:37 PM



#21
trans-1,2-Dichloroethene
Concen: 143.368 ug/l
RT: 3.16 min Scan# 329
Delta R.T. -0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.1	95.6	143.4
98	63.6	52.5	78.7





#22

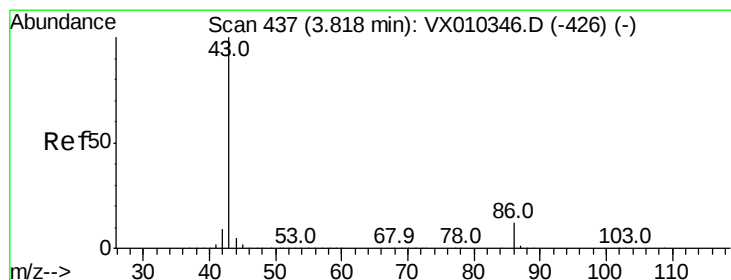
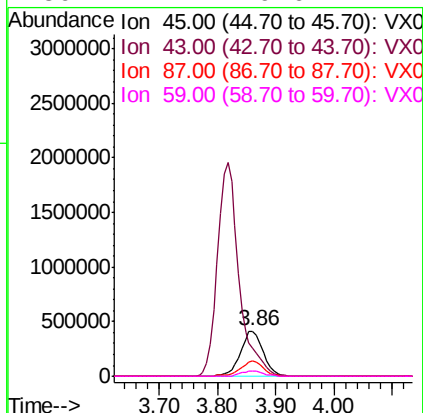
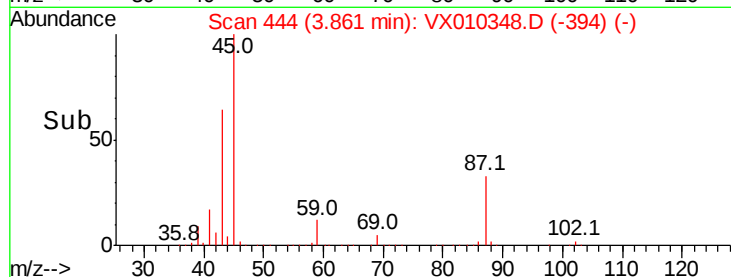
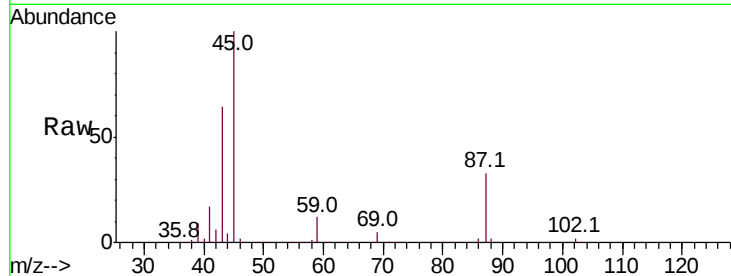
Diisopropyl ether
Concen: 152.913 ug/l
RT: 3.86 min Scan# 444
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
45	100		
43	63.6	63.3	94.9
87	33.2	25.8	38.8
59	12.4	9.6	14.4

Manual Integrations
APPROVED

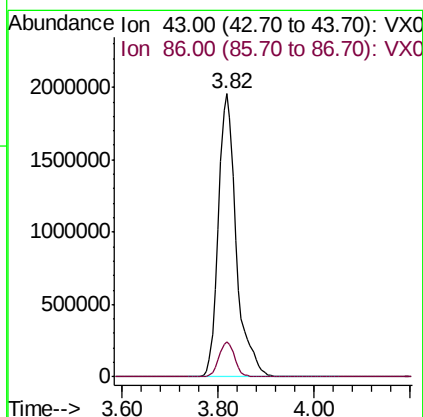
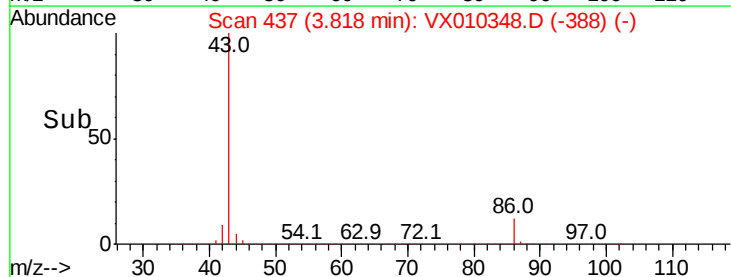
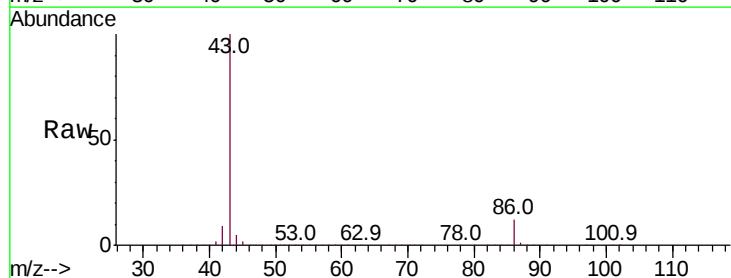
MMDadoda
6/20/2019 1:23:37 PM

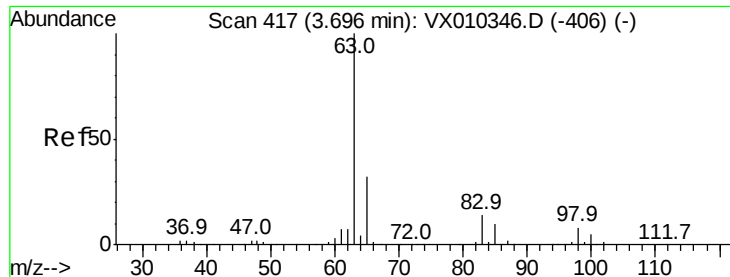


#23

Vinyl Acetate
Concen: 776.092 ug/l
RT: 3.82 min Scan# 437
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
86	12.3	9.9	14.9





#24

1,1-Dichloroethane

Concen: 146.995 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

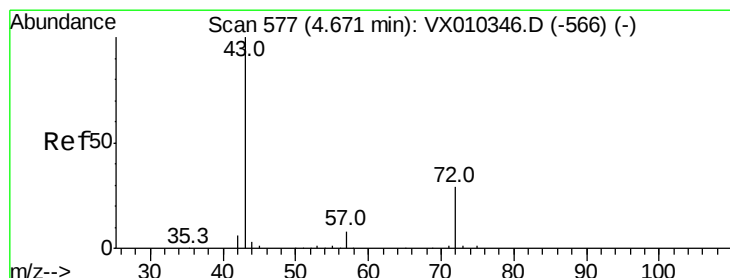
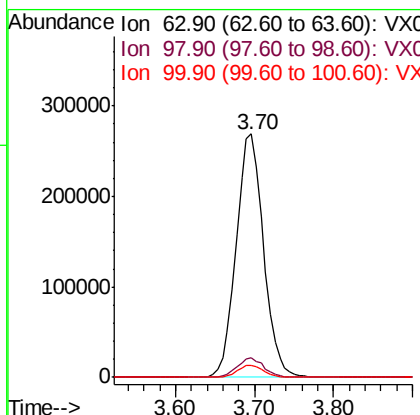
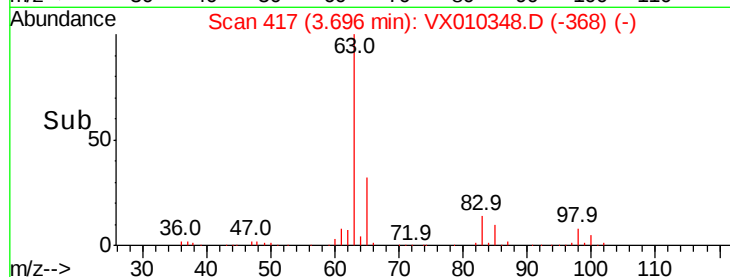
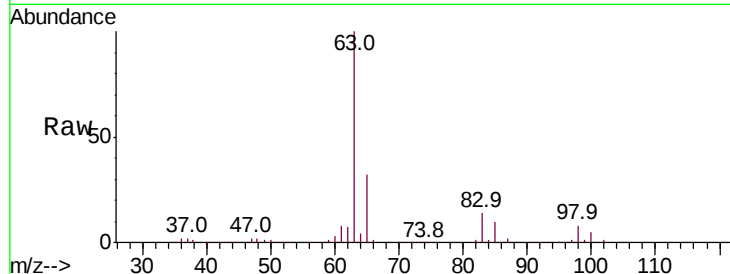
ClientSampleId :

VSTDIC150

Tot Ion:	63	Resp:	649513
Ion Ratio	Lower	Upper	
63	100		
98	7.8	3.9	11.7
100	4.8	2.4	7.1

Manual Integrations
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MMDadoda
6/20/2019 1:23:37 PM



#25

2-Butanone

Concen: 782.260 ug/l

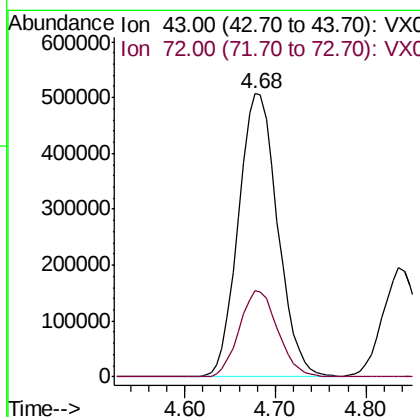
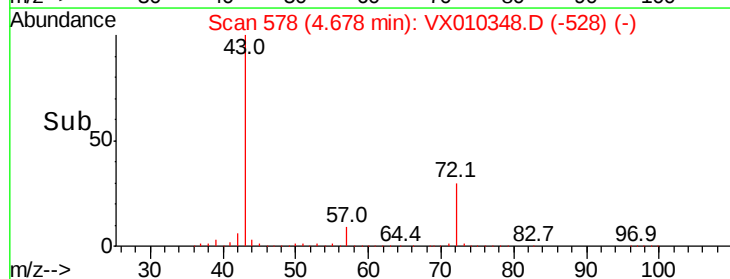
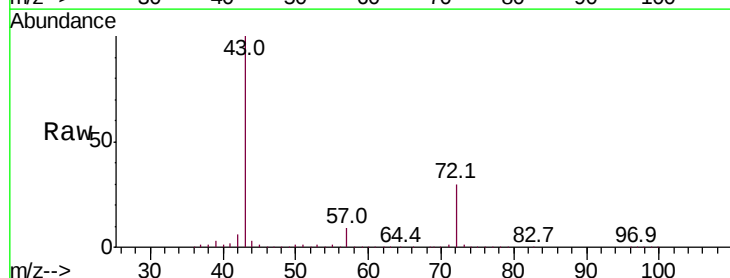
RT: 4.68 min Scan# 578

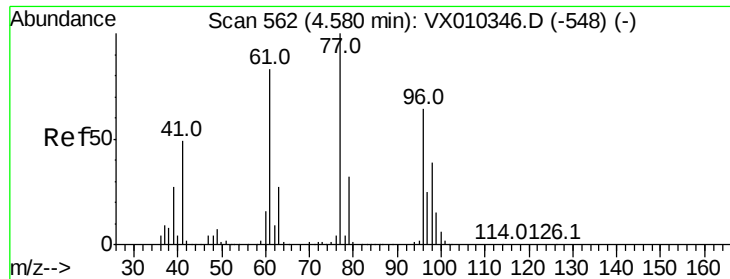
Delta R.T. 0.01 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Tgt Ion:	43	Resp:	1517483
Ion Ratio	Lower	Upper	
43	100		
72	30.4	23.3	34.9





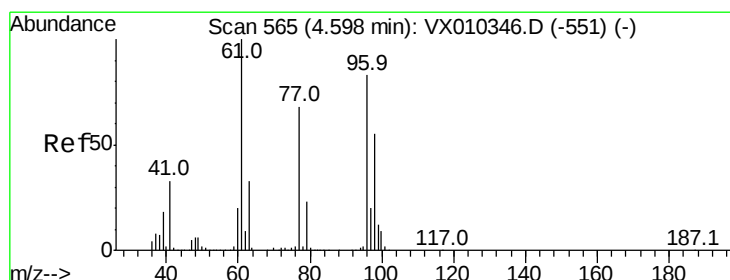
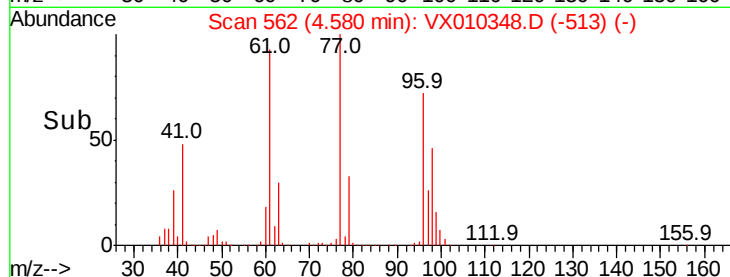
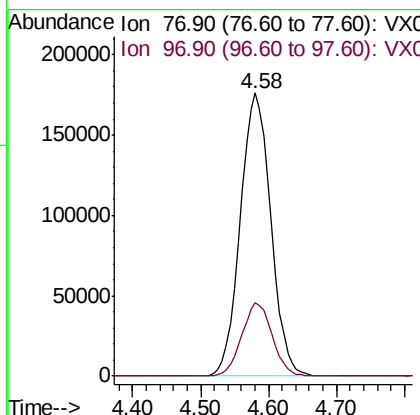
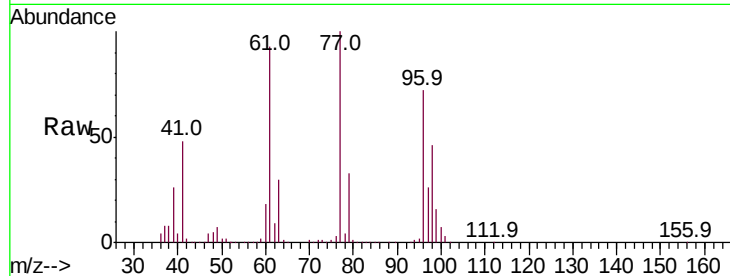
#26
 2,2-Dichloropropane
 Concen: 137.983 ug/l
 RT: 4.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion: 77 Resp: 550361
 Ion Ratio Lower Upper
 77 100
 97 26.0 13.1 39.3

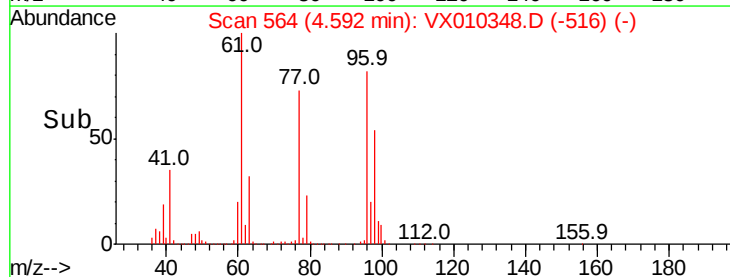
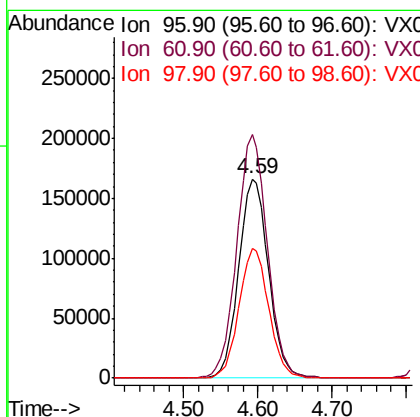
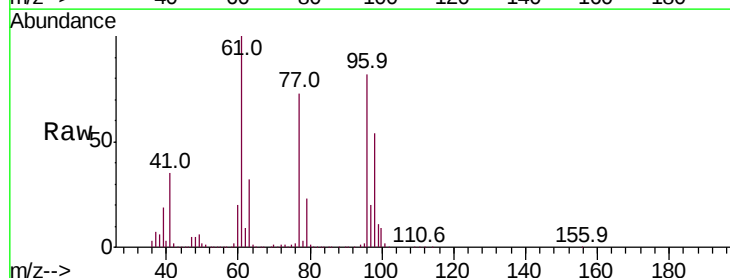
Manual Integrations
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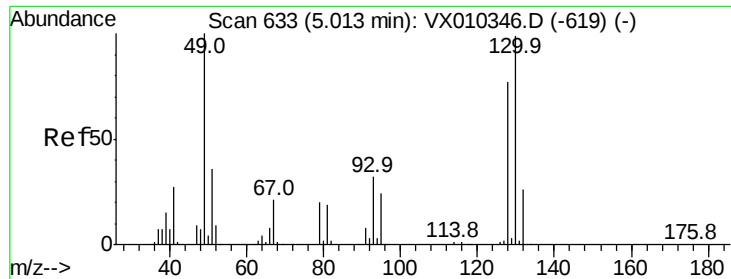
MMDadoda
 6/20/2019 1:23:37 PM



#27
 cis-1,2-Dichloroethene
 Concen: 150.333 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Tgt Ion: 96 Resp: 467612
 Ion Ratio Lower Upper
 96 100
 61 125.6 0.0 251.8
 98 65.1 0.0 129.4





#28

Bromochloromethane

Concen: 147.046 ug/l

RT: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 49 Resp: 292990

Ion Ratio Lower Upper

49 100

129 2.7 0.0 5.6

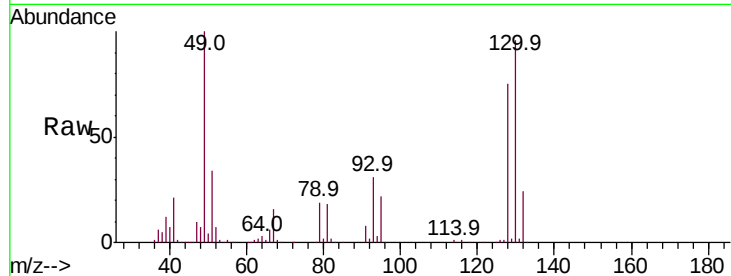
130 100.8 81.4 122.0

Manual Integrations

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MMDadoda

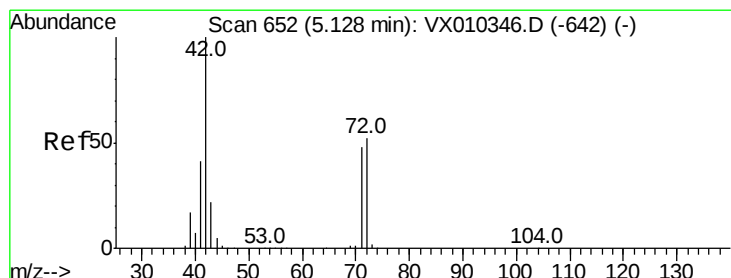
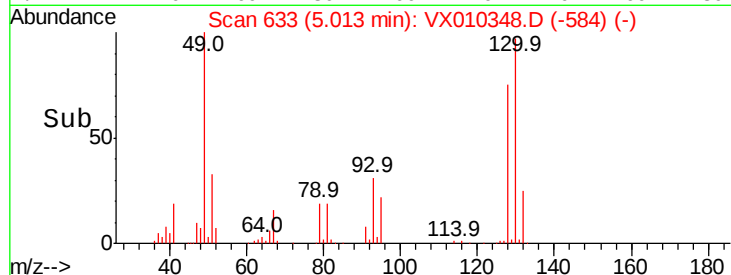
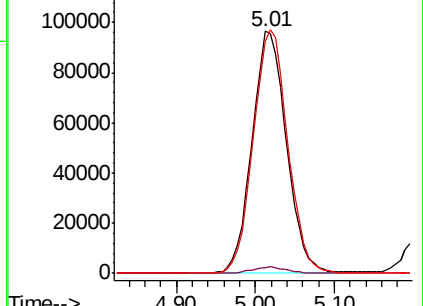
6/20/2019 1:23:37 PM



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 766.563 ug/l

RT: 5.13 min Scan# 653

Delta R.T. 0.01 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

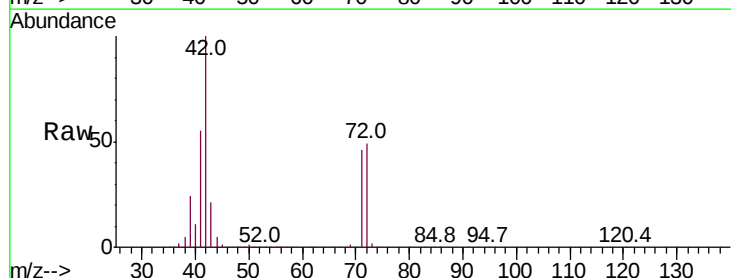
Tgt Ion: 42 Resp: 930977

Ion Ratio Lower Upper

42 100

72 50.7 40.6 60.8

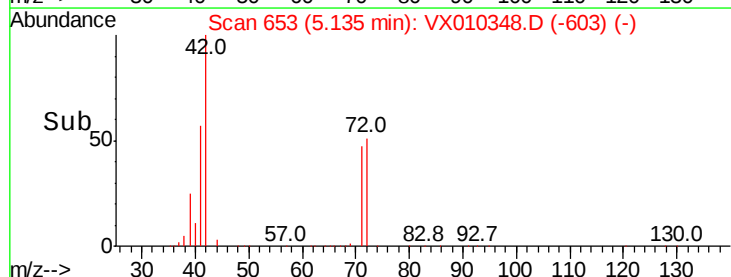
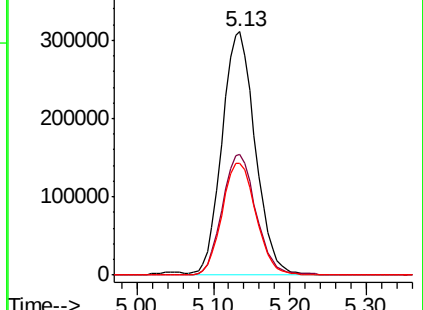
71 47.1 37.8 56.8

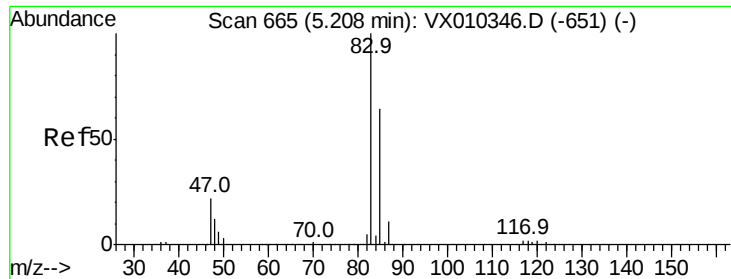


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





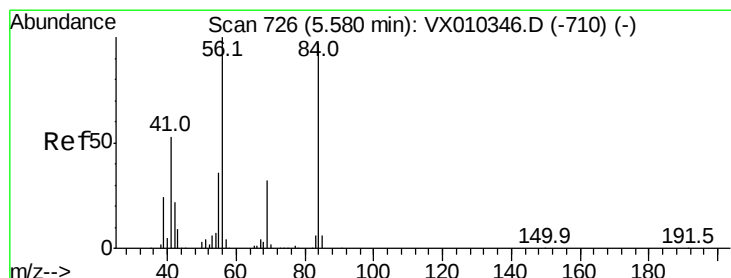
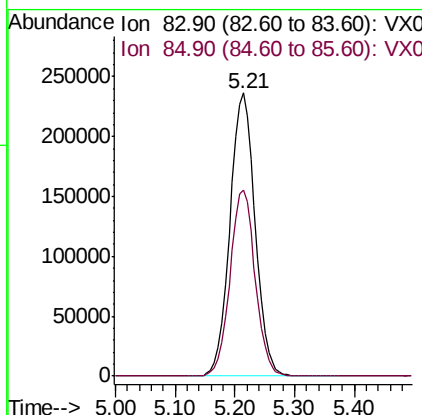
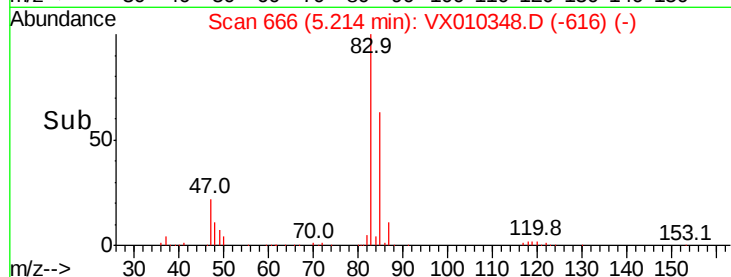
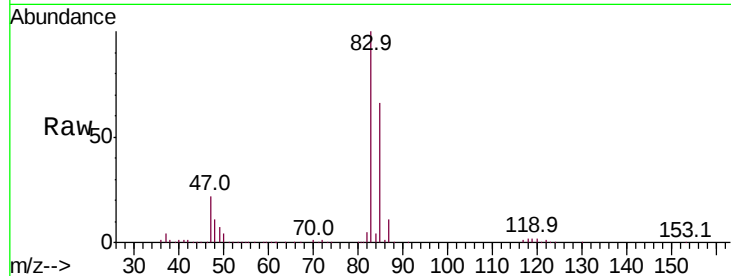
#30
Chloroform
Concen: 150.922 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 83 Resp: 692822
Ion Ratio Lower Upper
83 100
85 65.7 50.9 76.3

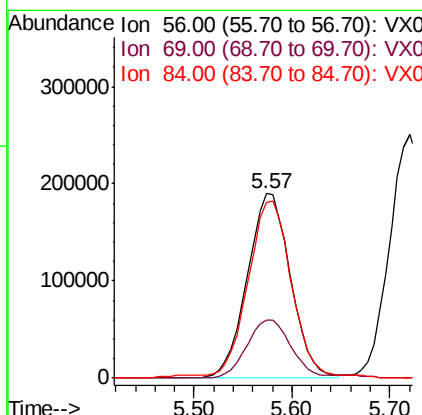
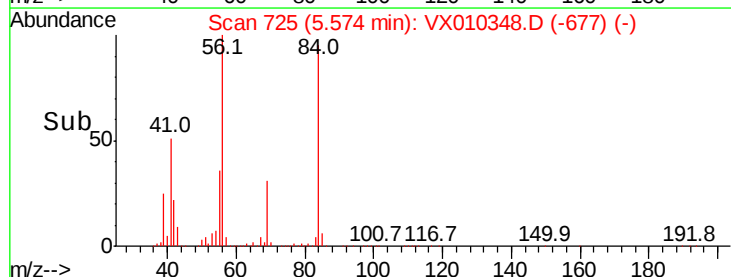
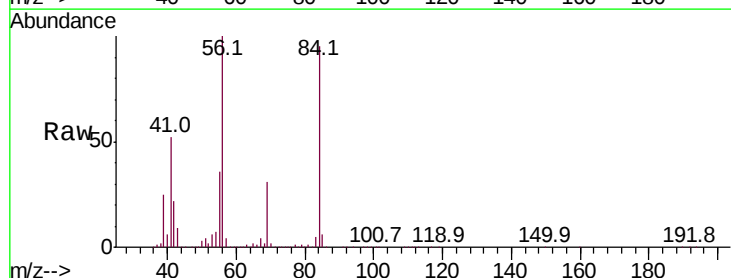
Manual Integrations
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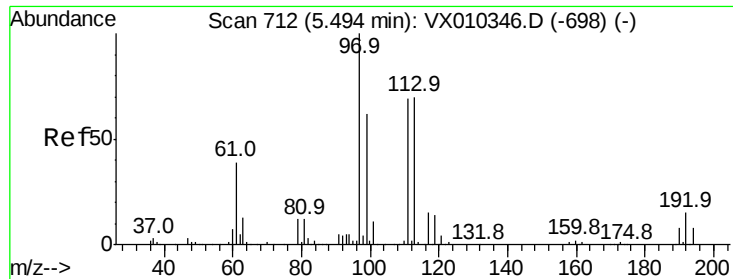
MMDadoda
6/20/2019 1:23:37 PM



#31
Cyclohexane
Concen: 147.277 ug/l
RT: 5.57 min Scan# 725
Delta R.T. -0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion: 56 Resp: 583829
Ion Ratio Lower Upper
56 100
69 31.3 25.9 38.9
84 93.5 78.0 117.0





#32

1,1,1-Trichloroethane

Concen: 145.276 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

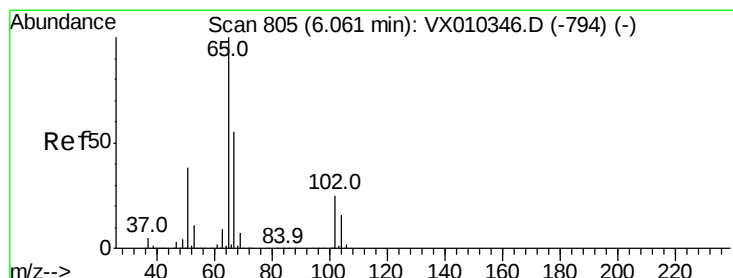
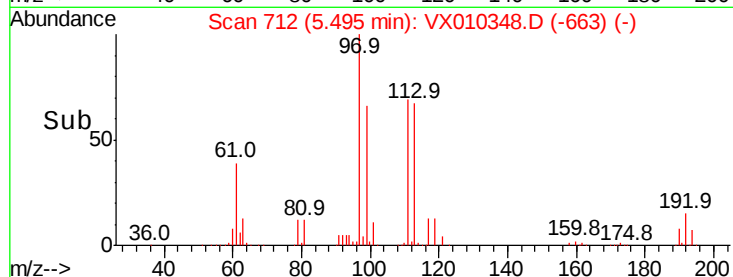
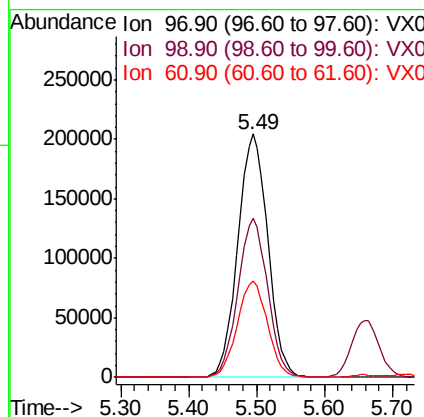
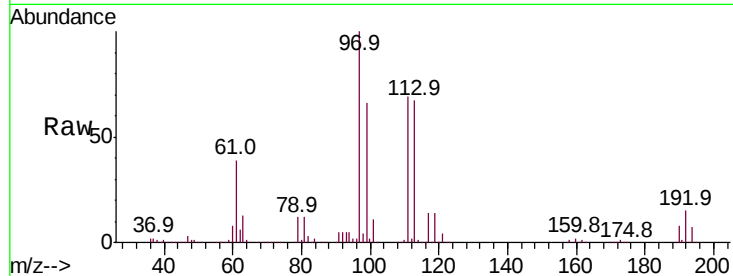
ClientSampleId :

VSTDIC150

Tot Ion:	97	Resp:	625877
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.8
61	39.8	32.1	48.1

Manual Integrations
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#33

1,2-Dichloroethane-d4

Concen: 147.584 ug/l

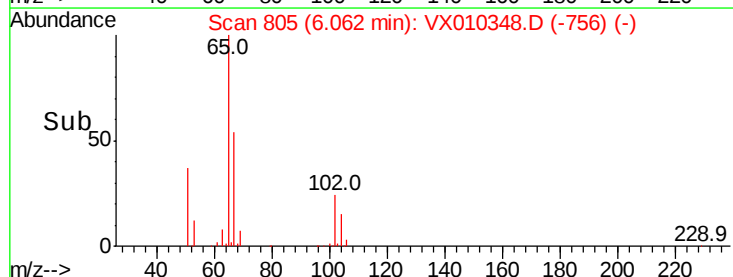
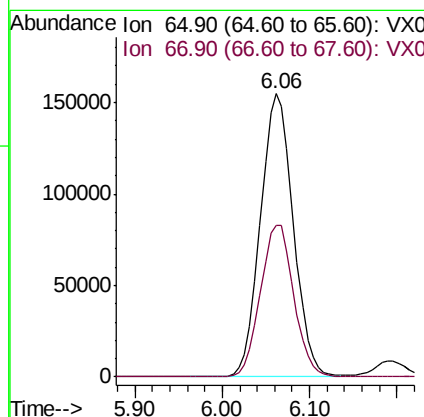
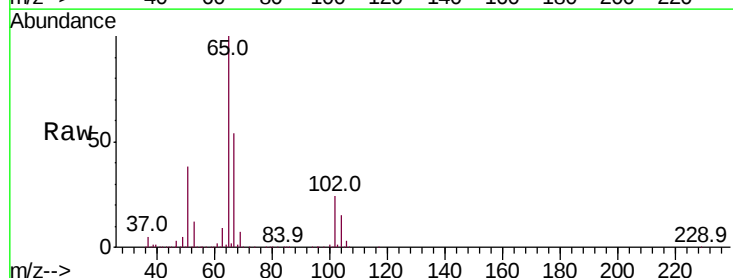
RT: 6.06 min Scan# 805

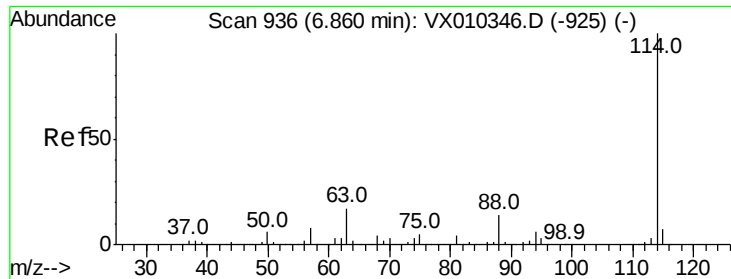
Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Tgt Ion:	65	Resp:	405456
Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	110.2





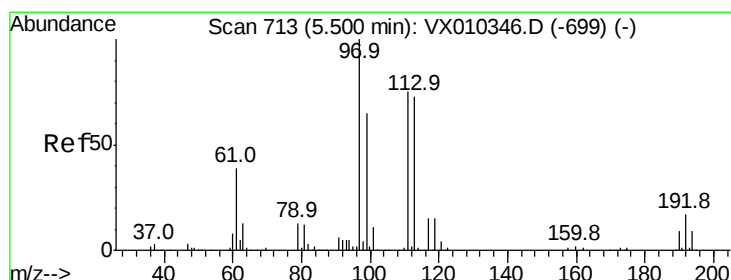
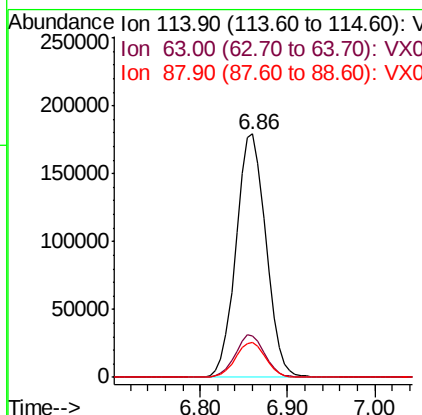
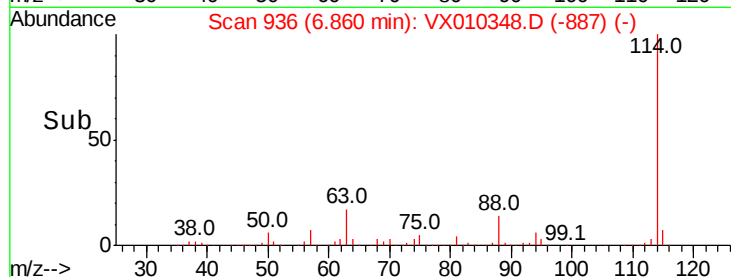
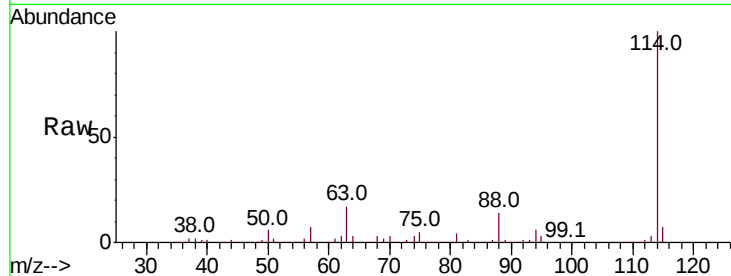
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
114	100	428035		
63	17.2		0.0	33.8
88	14.5		0.0	27.6

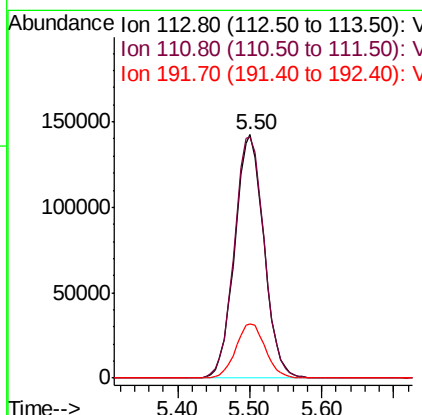
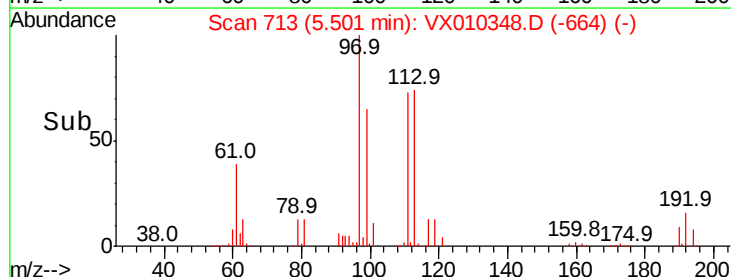
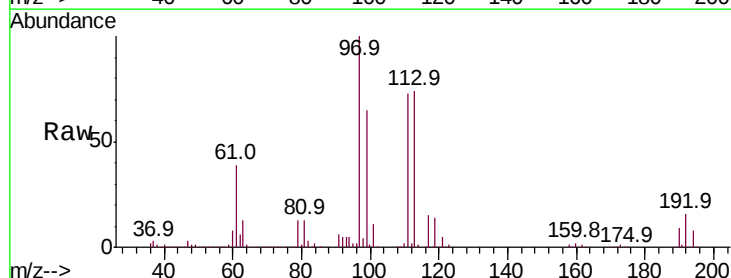
Manual Integrations
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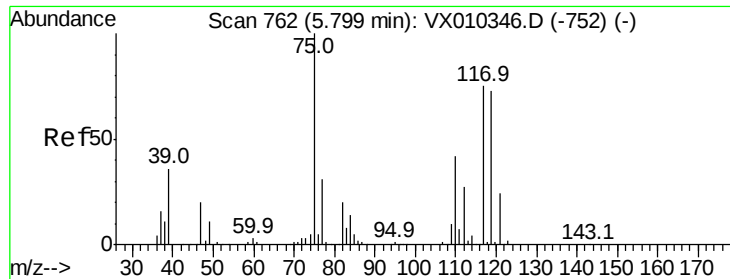
MMDadoda
6/20/2019 1:23:37 PM



#35
Dibromofluoromethane
Concen: 150.443 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	399698		
111	101.9		81.2	121.8
192	22.6		18.6	27.8





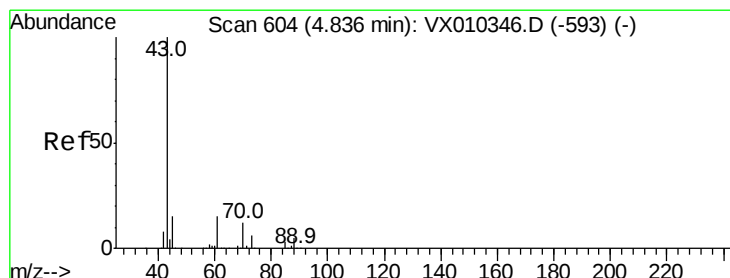
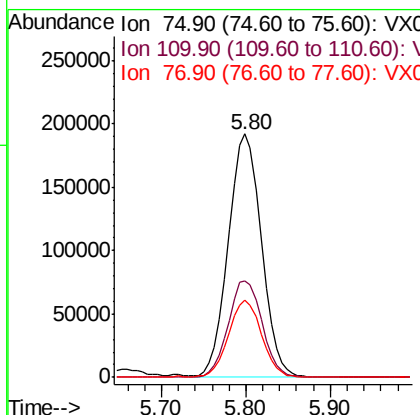
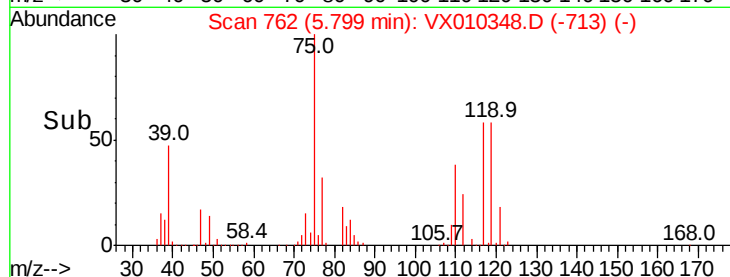
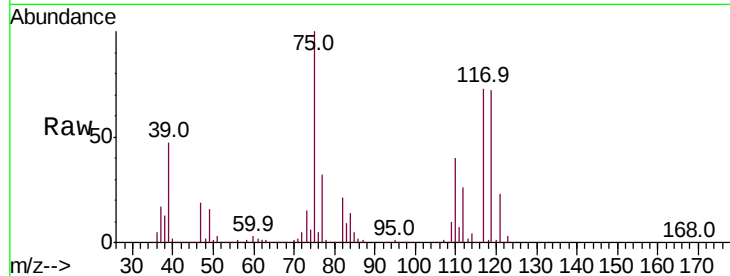
#36
 1,1-Dichloropropene
 Concen: 147.165 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
110	40.7	20.8	62.2
77	31.4	25.4	38.0

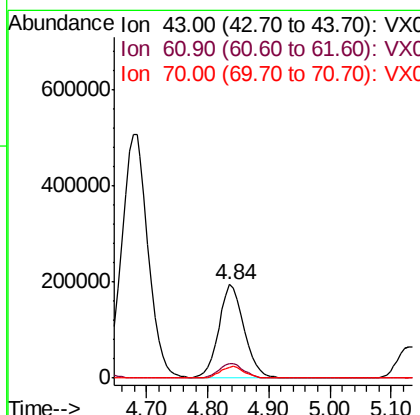
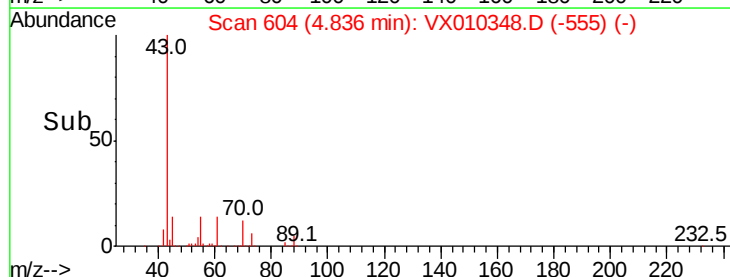
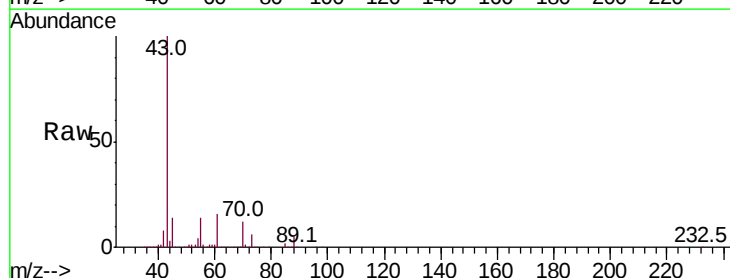
Manual Integrations
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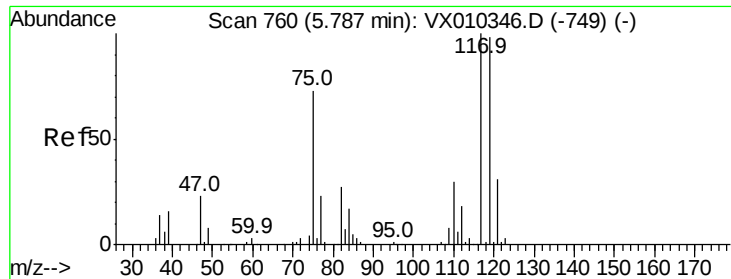
MMDadoda
 6/20/2019 1:23:37 PM



#37
 Ethyl Acetate
 Concen: 153.035 ug/l
 RT: 4.84 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.4	18.6
70	12.1	9.8	14.8





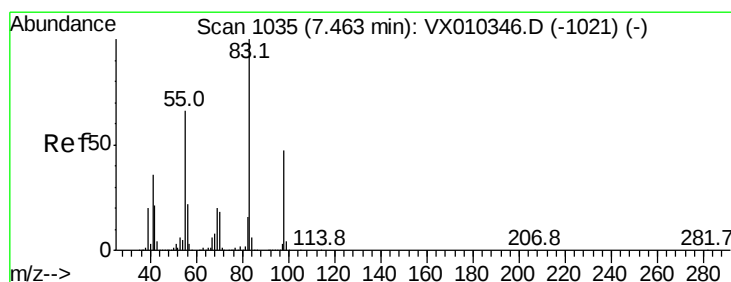
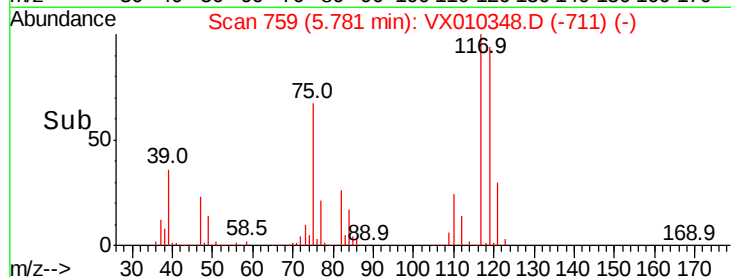
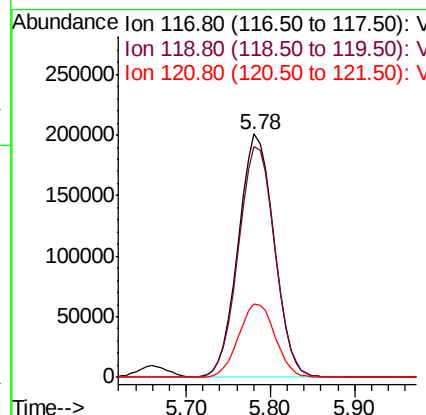
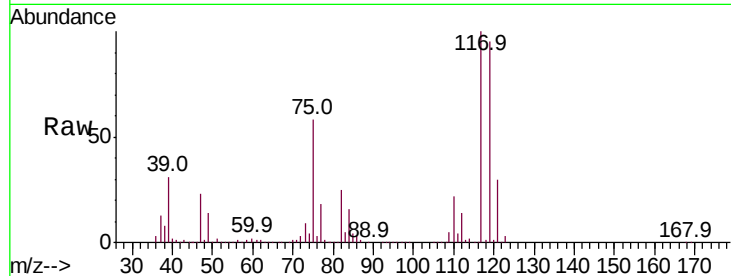
#38
Carbon Tetrachloride
Concen: 146.899 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	78.2	117.4
121	30.3	24.7	37.1

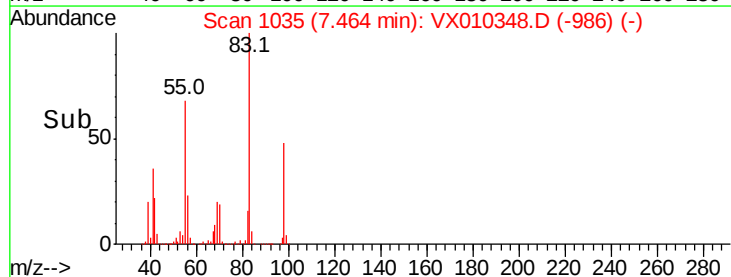
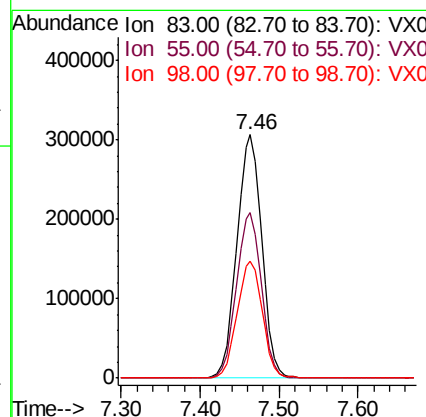
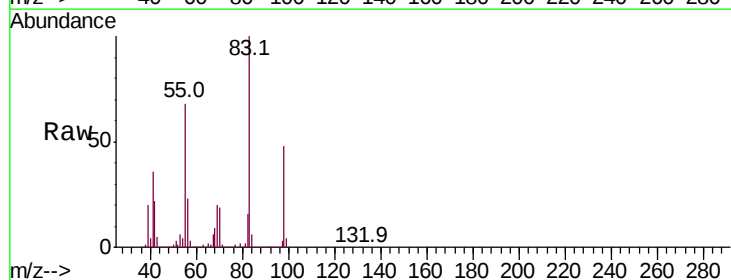
Manual Integrations
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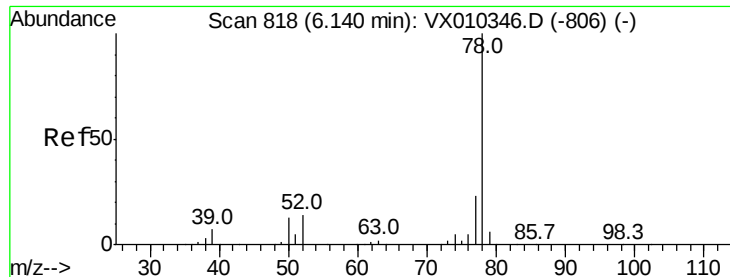
MMDadoda
6/20/2019 1:23:37 PM



#39
Methylcyclohexane
Concen: 142.154 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
83	100		
55	68.2	53.0	79.6
98	48.1	37.8	56.8





#40

Benzene

Concen: 148.824 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 78 Resp: 1608640

Ion Ratio Lower Upper

78 100

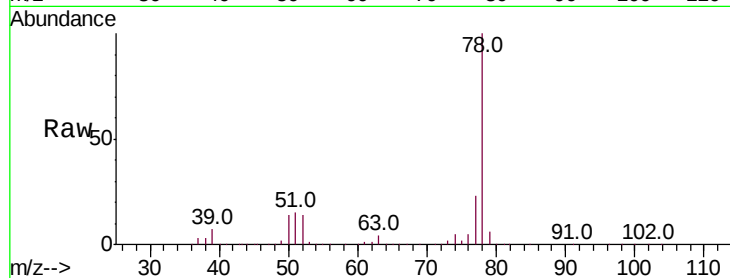
77 23.3 18.6 28.0

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Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

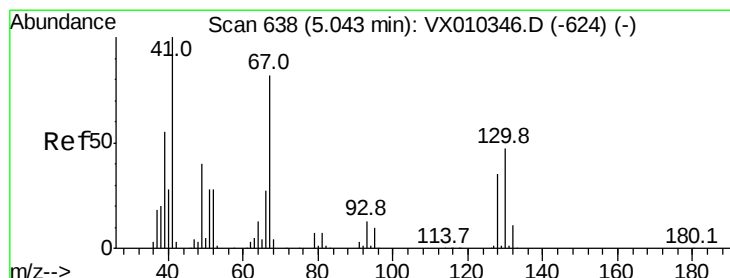
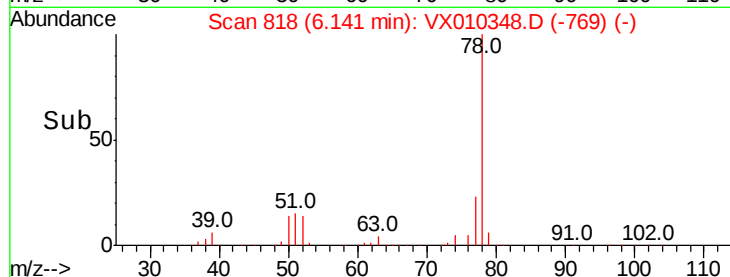
600000

400000

200000

0

Time-->



#41

Methacrylonitrile

Concen: 150.830 ug/l

RT: 5.05 min Scan# 639

Delta R.T. 0.01 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Tgt Ion: 41 Resp: 296462

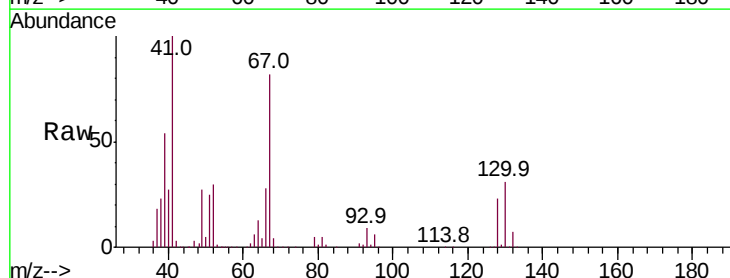
Ion Ratio Lower Upper

41 100

39 54.6 43.8 65.8

67 83.6 66.6 100.0

52 31.1 24.5 36.7



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

250000

200000

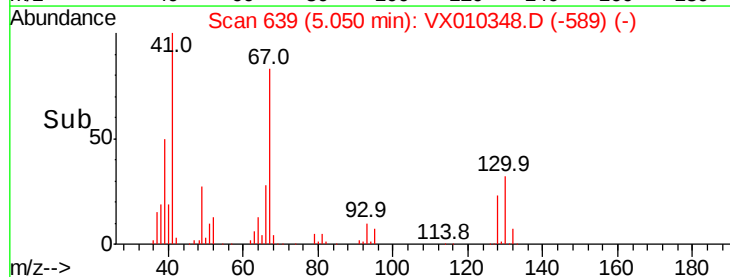
150000

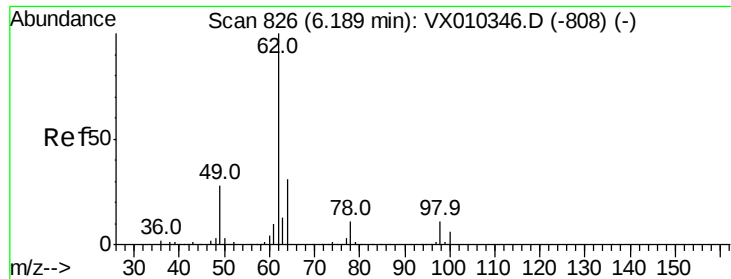
100000

50000

0

Time-->





#42

1,2-Dichloroethane

Concen: 146.695 ug/l

RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 62 Resp: 504271

Ion Ratio Lower Upper

62 100

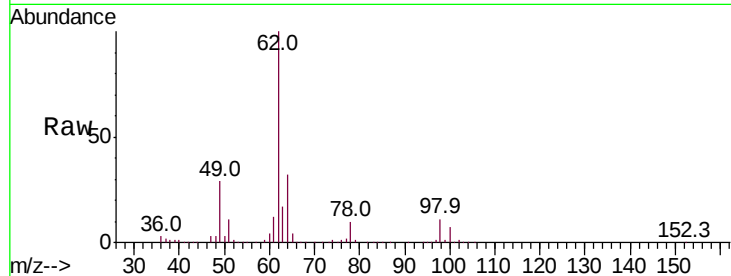
98 10.8 0.0 22.2

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.19

200000

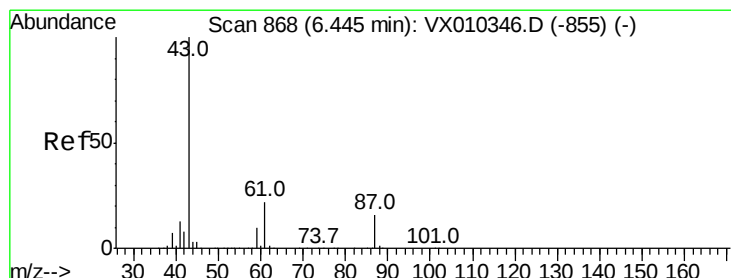
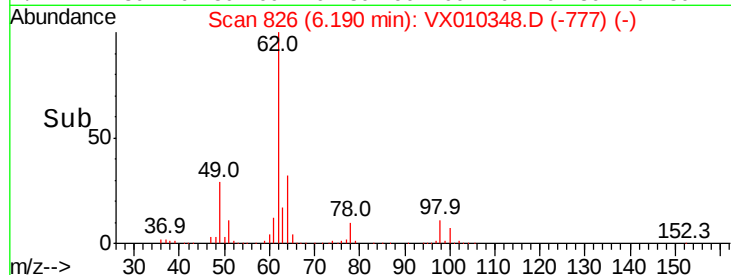
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 152.182 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

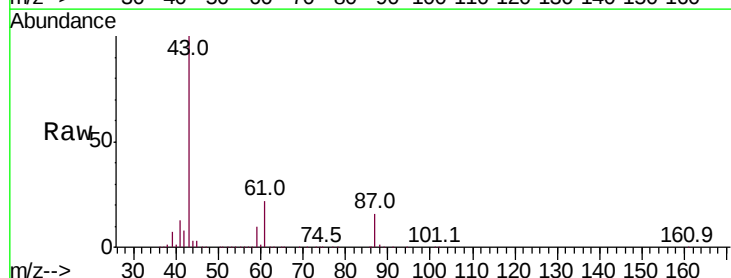
Tgt Ion: 43 Resp: 923612

Ion Ratio Lower Upper

43 100

61 21.9 17.8 26.6

87 15.9 13.0 19.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

6.45

500000

400000

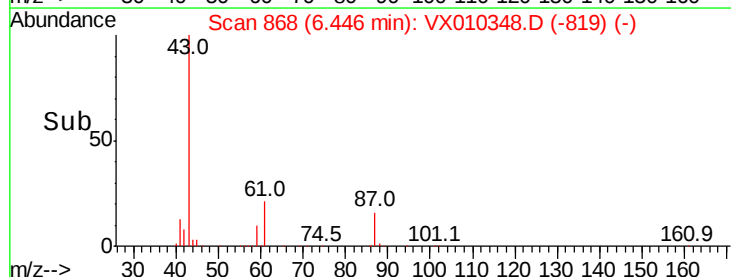
300000

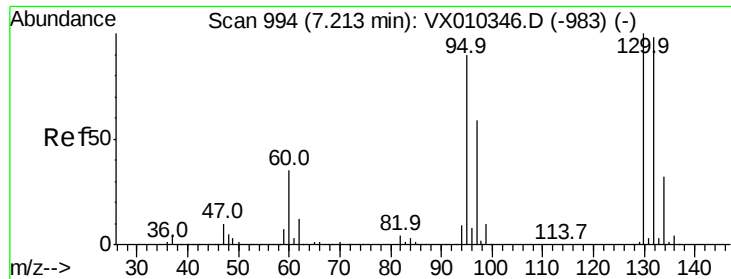
200000

100000

0

Time-->





#44

Trichloroethene

Concen: 148.369 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion:130 Resp: 483928

Ion Ratio Lower Upper

130 100

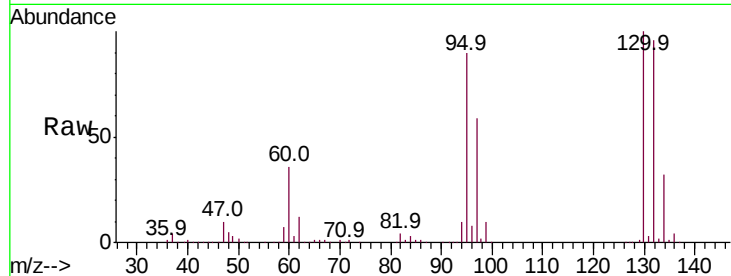
95 90.0 0.0 180.8

Manual Integrations

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6/20/2019 1:23:37 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

250000

200000

150000

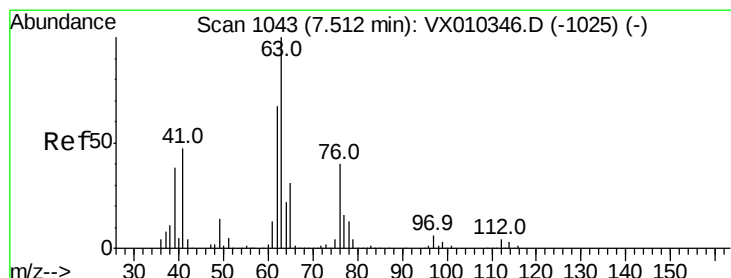
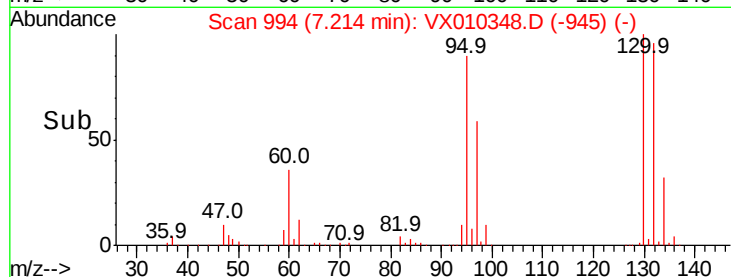
100000

50000

0

7.10 7.20 7.30

Time-->



#45

1,2-Dichloropropane

Concen: 149.909 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. 0.00 min

Lab File: VX010348.D

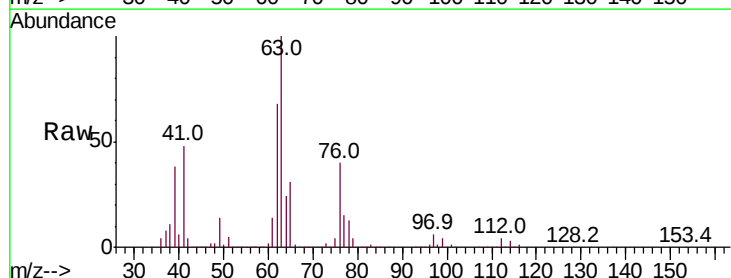
Acq: 19 Jun 2019 14:14

Tgt Ion: 63 Resp: 405544

Ion Ratio Lower Upper

63 100

65 31.1 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

200000

150000

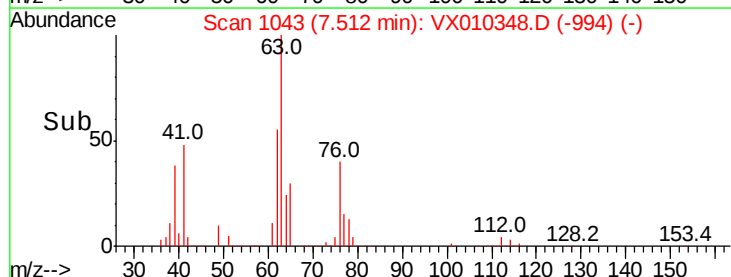
100000

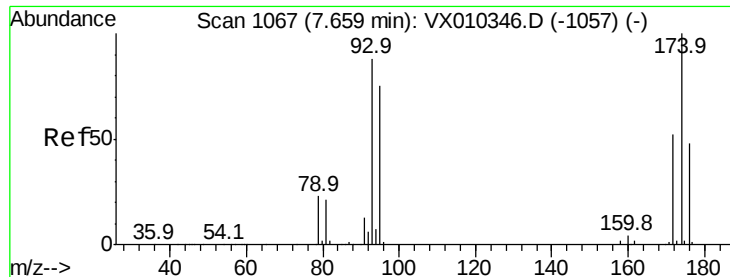
50000

0

7.40 7.50 7.60

Time-->





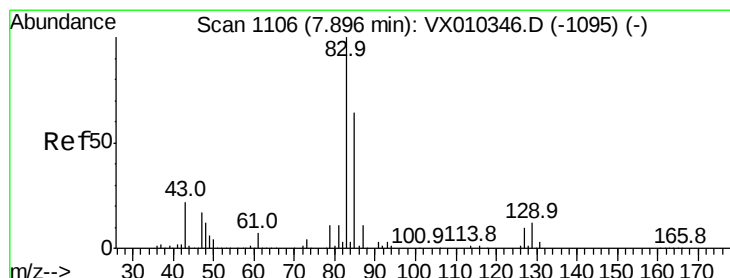
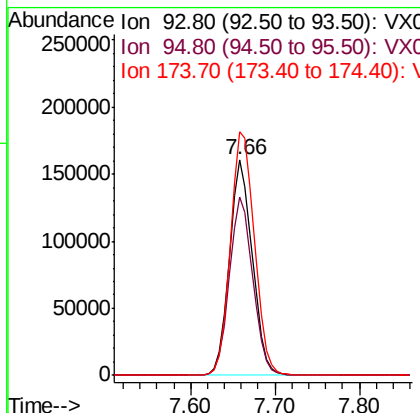
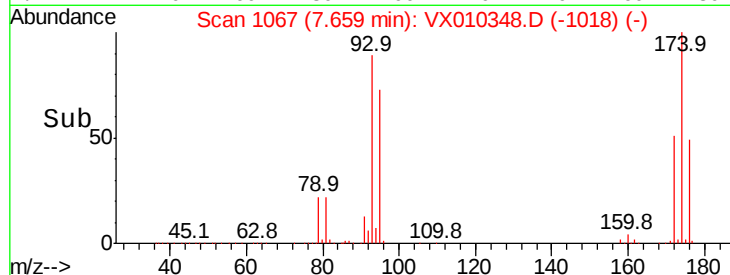
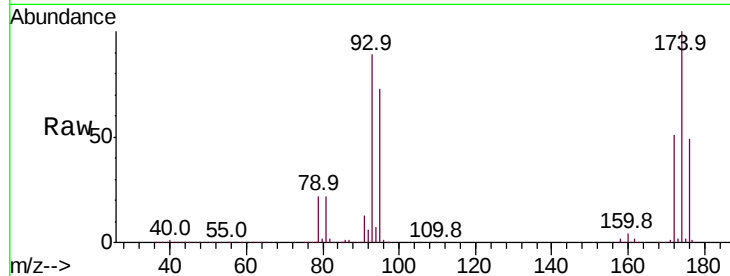
#46
Dibromomethane
Concen: 146.658 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
93	100		
95	84.6	67.5	101.3
174	117.7	95.8	143.6

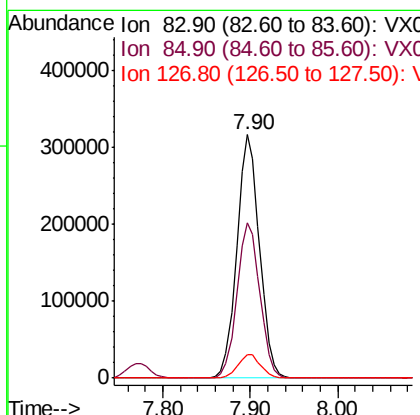
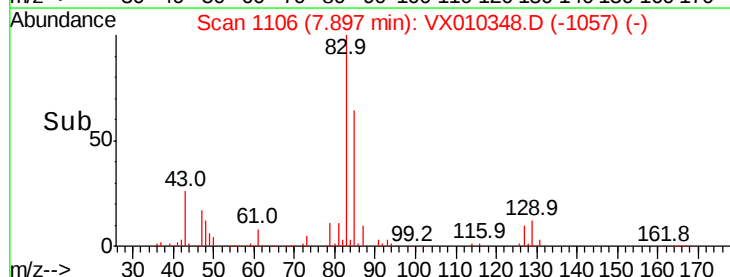
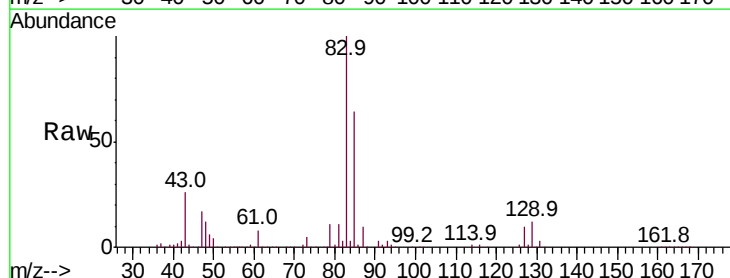
Manual Integrations
APPROVED

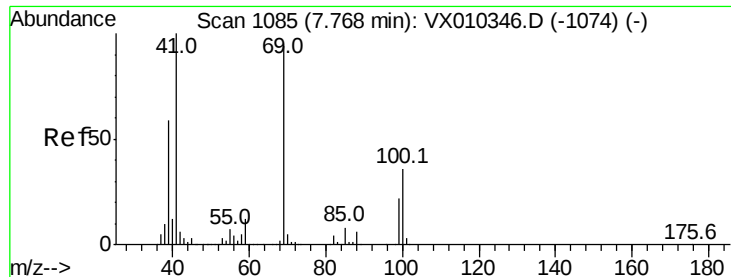
MMDadoda
6/20/2019 1:23:37 PM



#47
Bromodichloromethane
Concen: 150.305 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	9.6	7.8	11.8





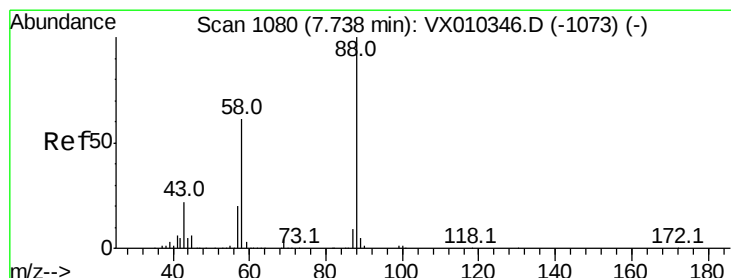
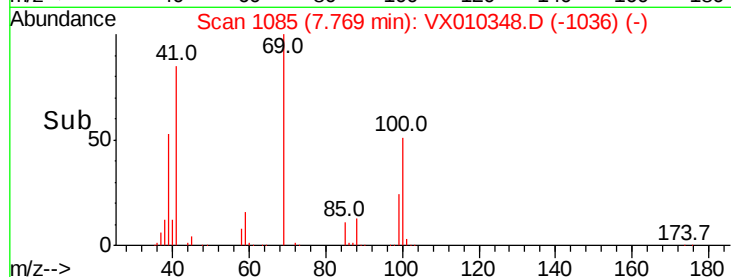
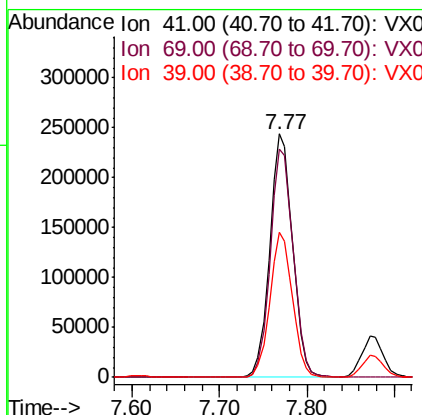
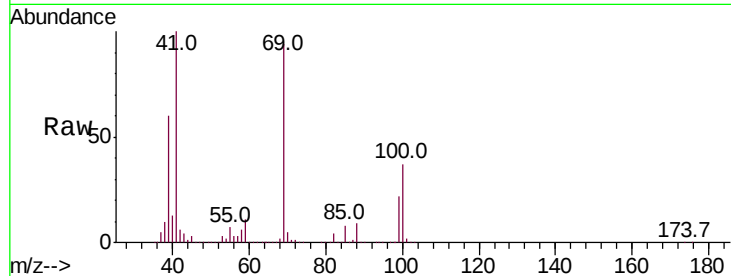
#48
Methvl methacrylate
Concen: 156.675 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
69	94.3	76.1	114.1
39	58.7	47.6	71.4

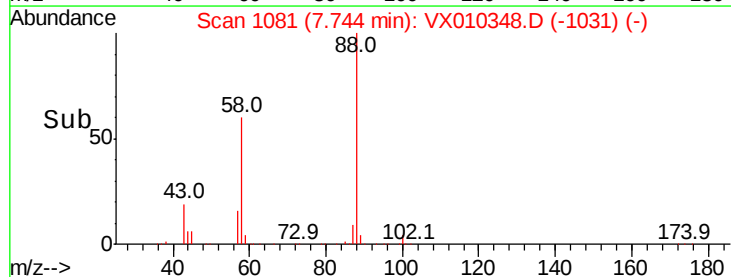
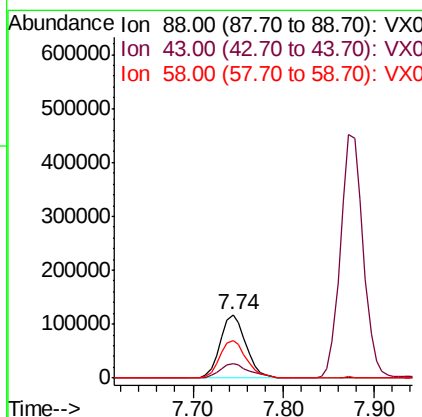
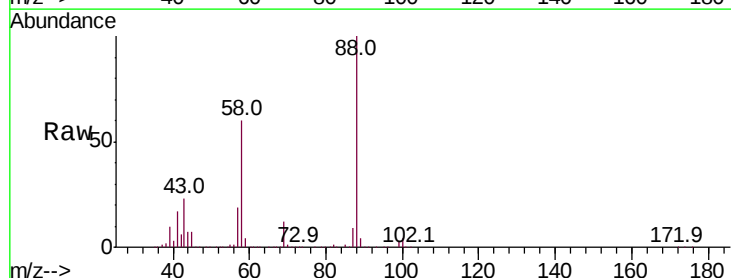
Manual Integrations
APPROVED

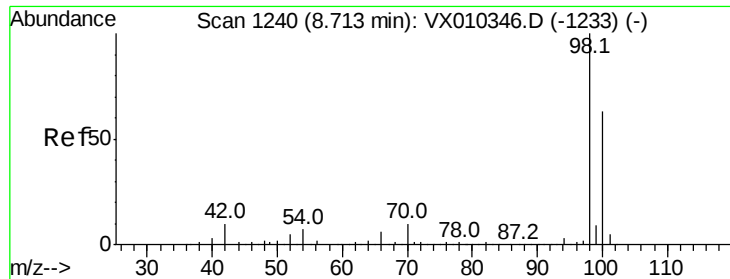
MMDadoda
6/20/2019 1:23:37 PM



#49
1,4-Dioxane
Concen: 2864.819 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
88	100		
43	26.1	20.2	30.2
58	61.5	49.5	74.3





#50

Toluene-d8

Concen: 152.135 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Tot Ion: 98 Resp: 1517540

Ion Ratio Lower Upper

98 100

100 64.5 51.6 77.4

Instrument :

MSVOA_X

ClientSampled :

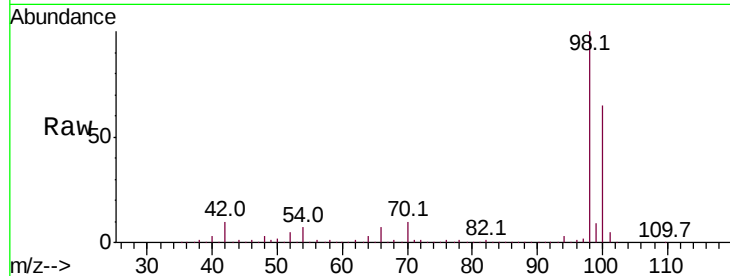
VSTDIC150

Manual Integrations

APPROVED

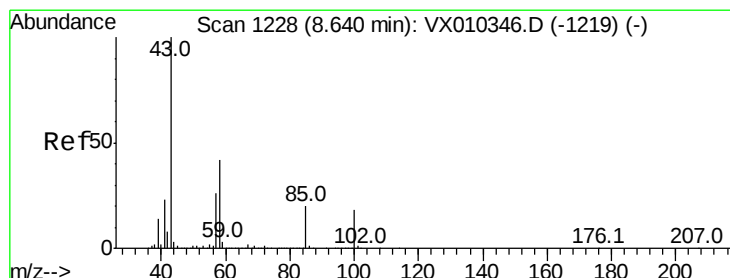
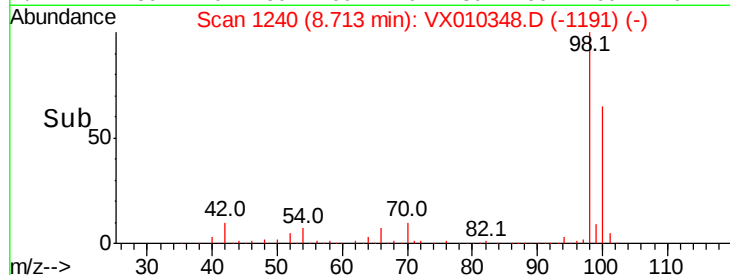
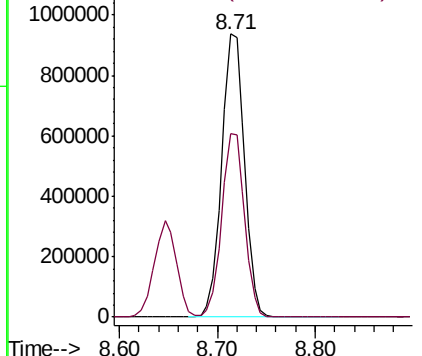
MMDadoda

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Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#51

4-Methyl-2-Pentanone

Concen: 775.697 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. 0.01 min

Lab File: VX010348.D

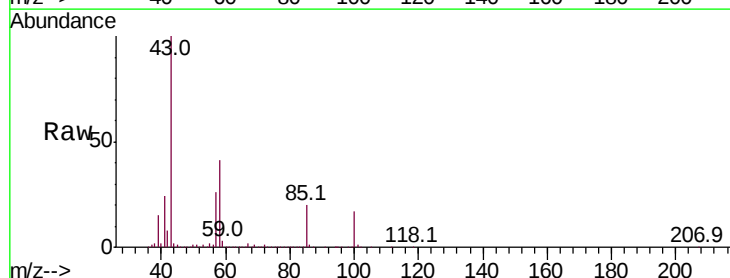
Acq: 19 Jun 2019 14:14

Tgt Ion: 43 Resp: 2826985

Ion Ratio Lower Upper

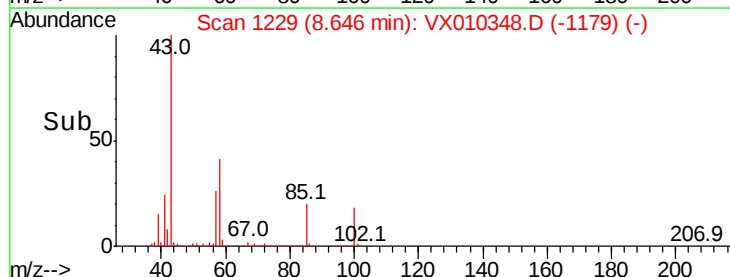
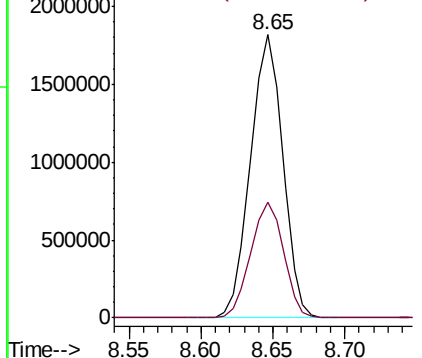
43 100

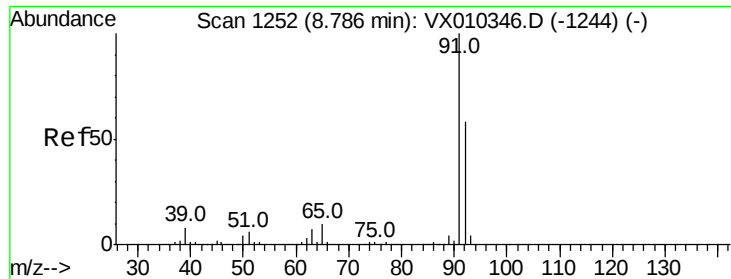
58 41.5 33.5 50.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 148.938 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDICC150

Tot Ion: 92 Resp: 1061210

Ion Ratio Lower Upper

92 100

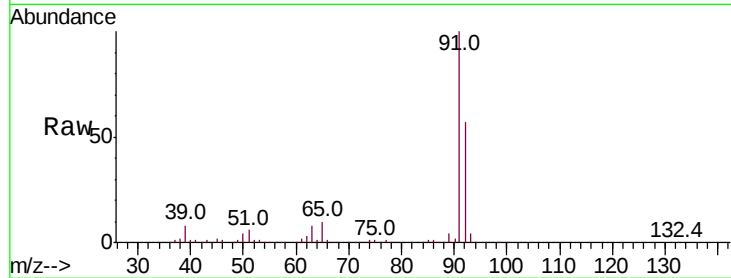
91 174.2 139.8 209.6

Manual Integrations

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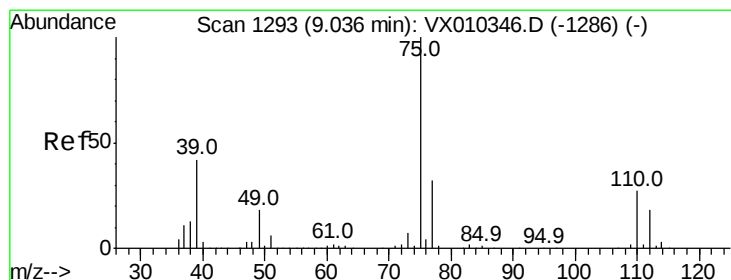
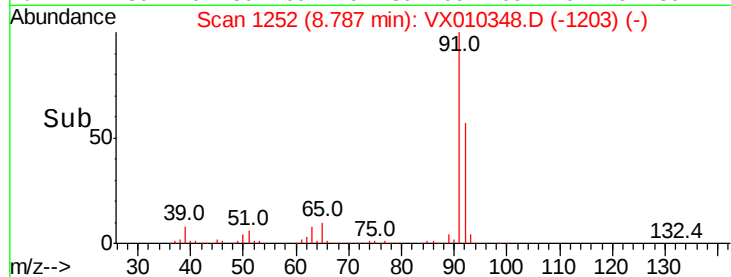
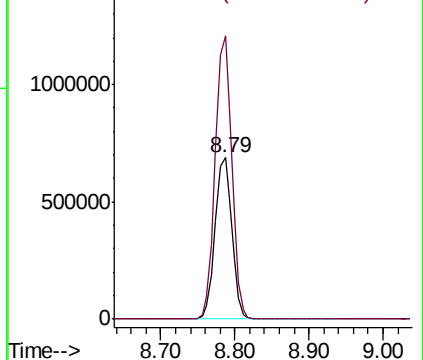
MMDadoda

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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#53

t-1,3-Dichloropropene

Concen: 151.153 ug/l

RT: 9.04 min Scan# 1294

Delta R.T. 0.01 min

Lab File: VX010348.D

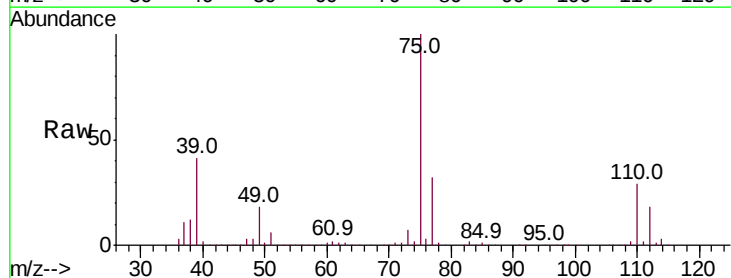
Acq: 19 Jun 2019 14:14

Tgt Ion: 75 Resp: 654689

Ion Ratio Lower Upper

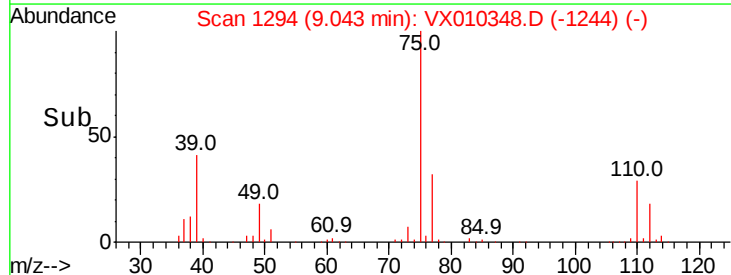
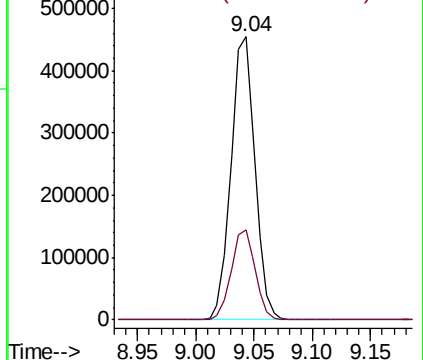
75 100

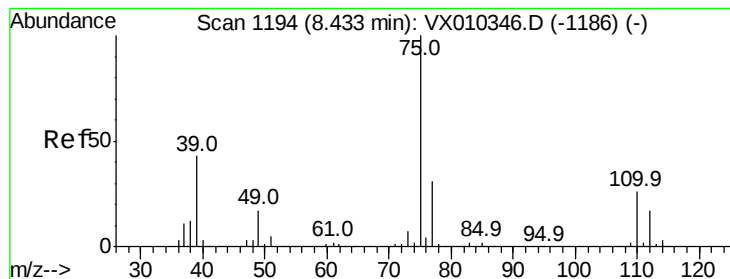
77 31.9 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0





#54

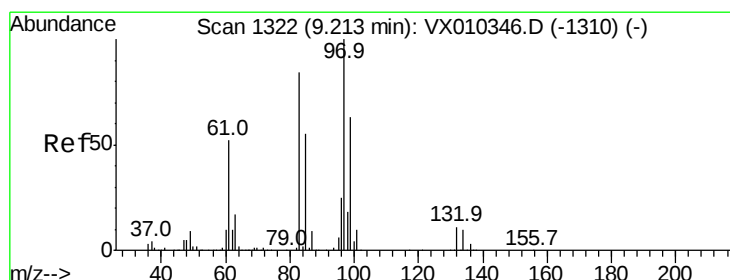
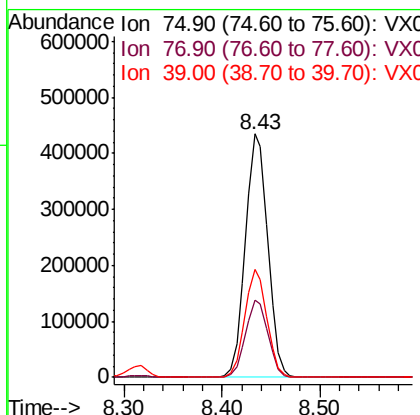
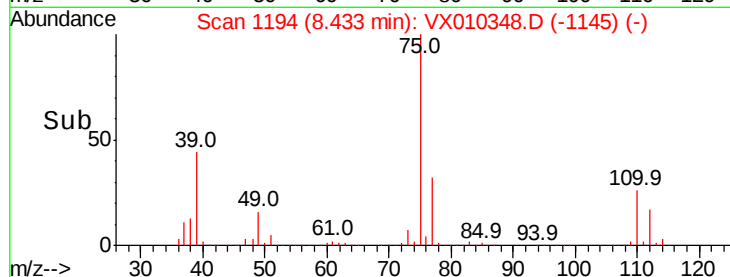
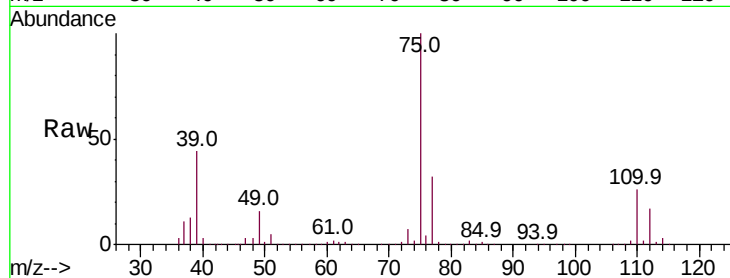
cis-1,3-Dichloropropene
Concen: 147.906 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100	690033		
77	31.9		25.2	37.8
39	44.4		34.5	51.7

Manual Integrations
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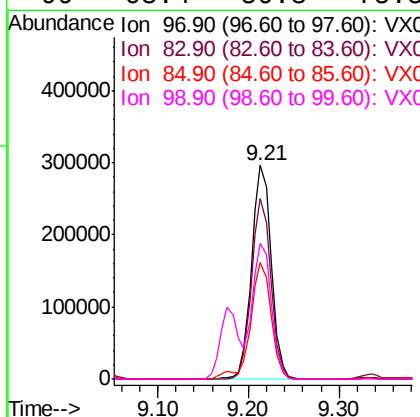
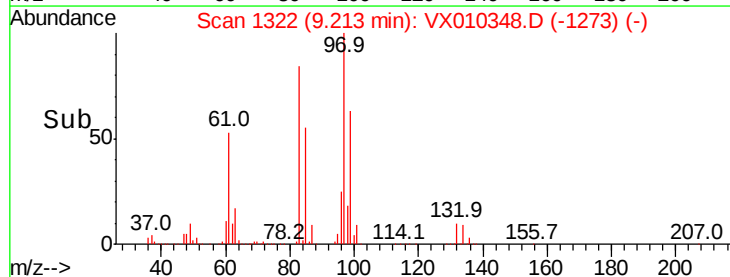
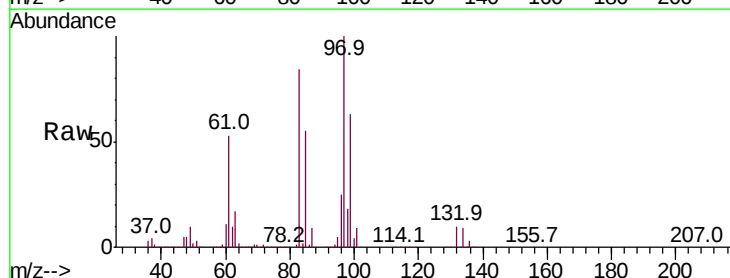
MMDadoda
6/20/2019 1:23:37 PM

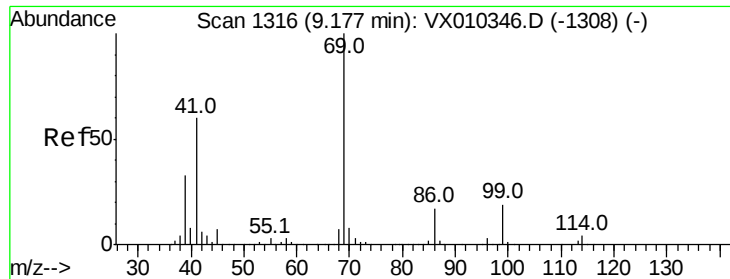


#55

1,1,2-Trichloroethane
Concen: 152.871 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	445598		
83	84.3		67.4	101.0
85	54.8		43.8	65.8
99	63.4		50.3	75.5





#56

Ethyl methacrylate

Concen: 153.540 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 69 Resp: 702638

Ion Ratio Lower Upper

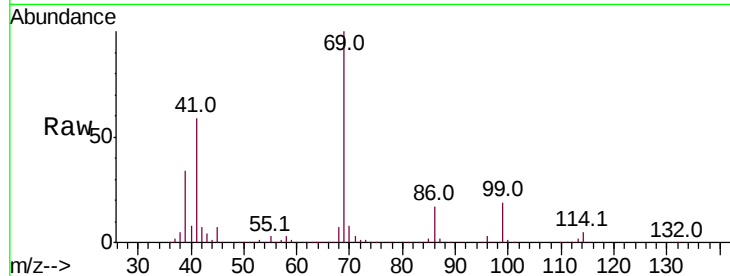
69 100

41 59.3 47.1 70.7

39 34.0 26.6 40.0

Manual Integrations
APPROVED

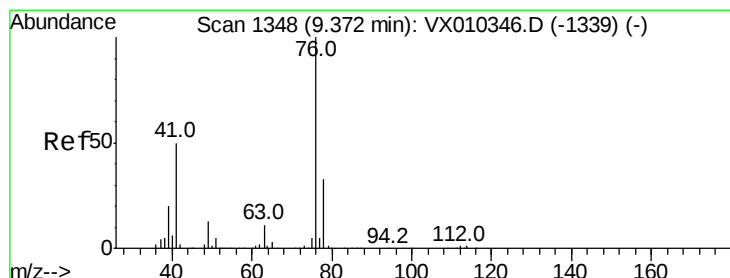
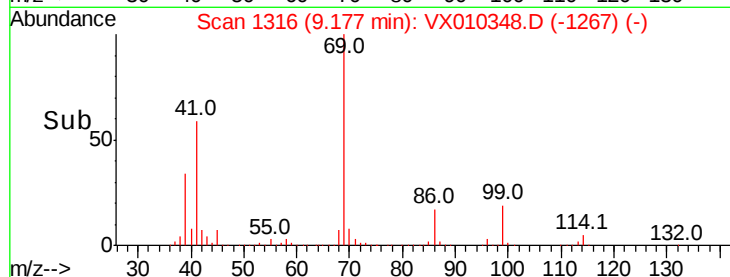
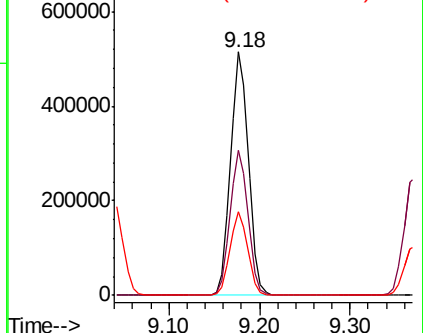
MMDadoda
6/20/2019 1:23:37 PM



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#57

1,3-Dichloropropane

Concen: 152.049 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX010348.D

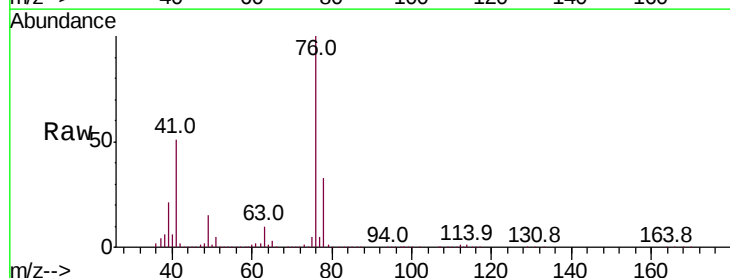
Acq: 19 Jun 2019 14:14

Tgt Ion: 76 Resp: 697397

Ion Ratio Lower Upper

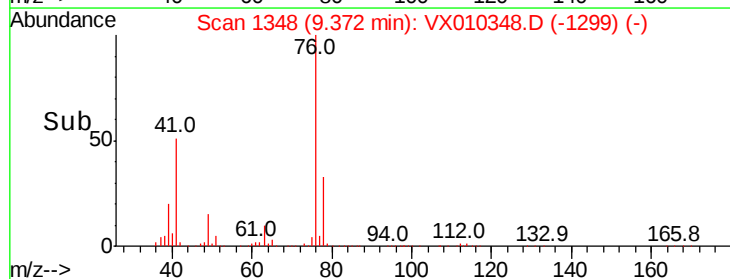
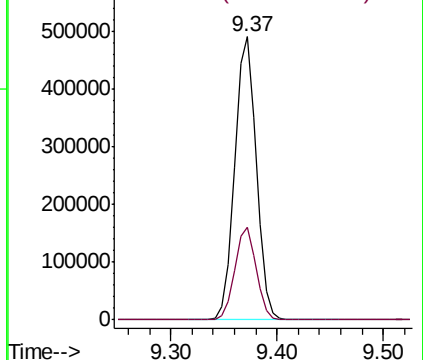
76 100

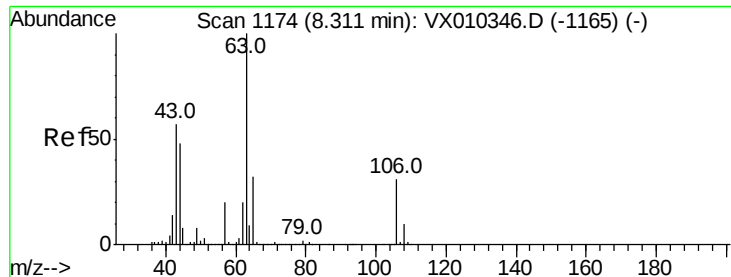
78 32.5 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





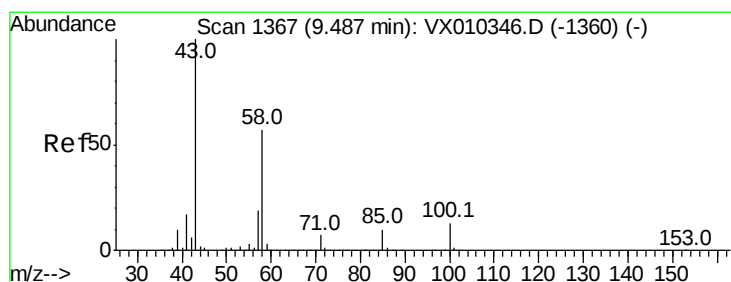
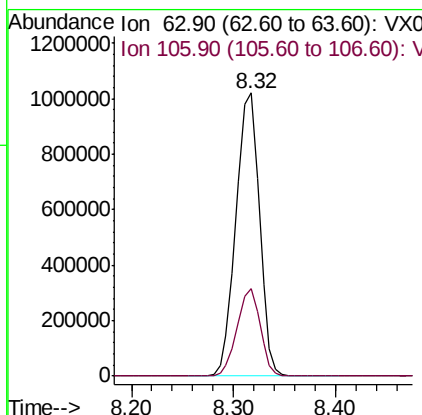
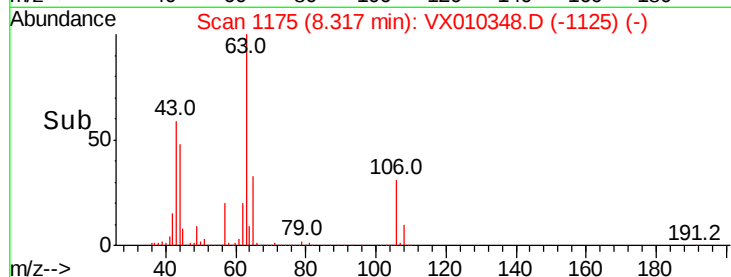
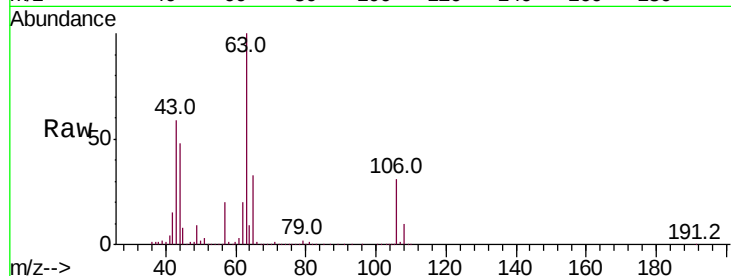
#58
2-Chloroethyl Vinyl ether
Concen: 751.991 ug/l
RT: 8.32 min Scan# 1175
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion: 63 Resp: 1624569
Ion Ratio Lower Upper
63 100
106 30.5 24.7 37.1

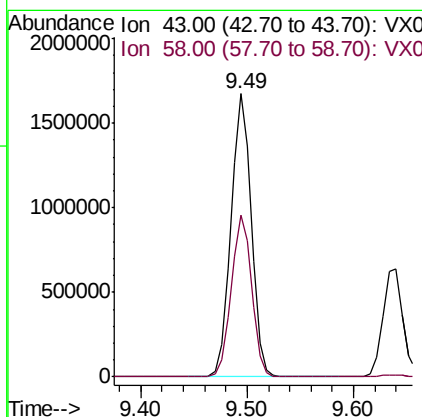
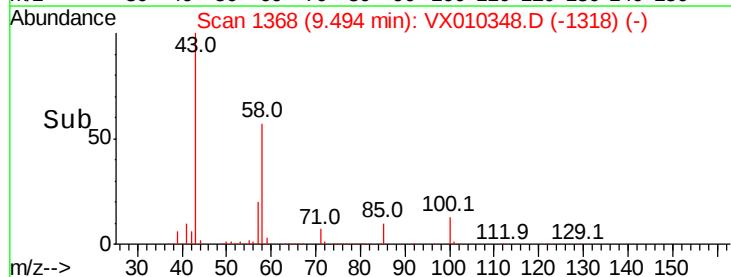
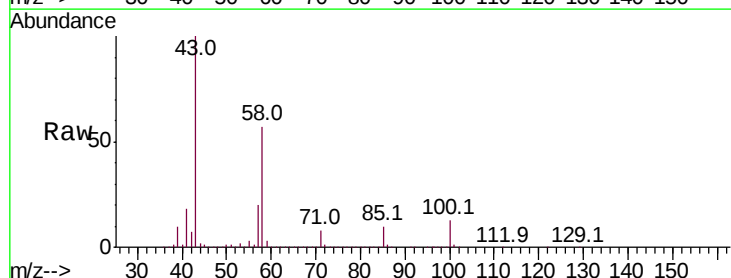
Manual Integrations
APPROVED

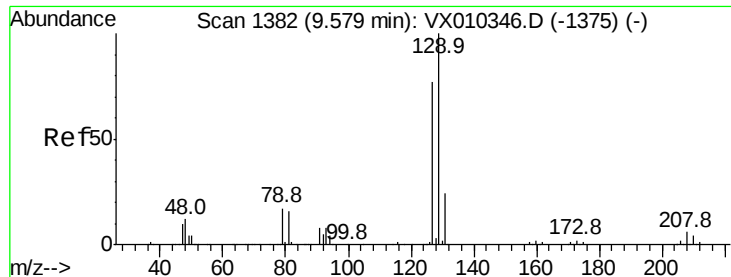
MMDadoda
6/20/2019 1:23:37 PM



#59
2-Hexanone
Concen: 770.604 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion: 43 Resp: 2242078
Ion Ratio Lower Upper
43 100
58 57.5 29.0 87.1





#60

Dibromochloromethane

Concen: 155.457 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:129 Resp: 532574

Ion Ratio Lower Upper

129 100

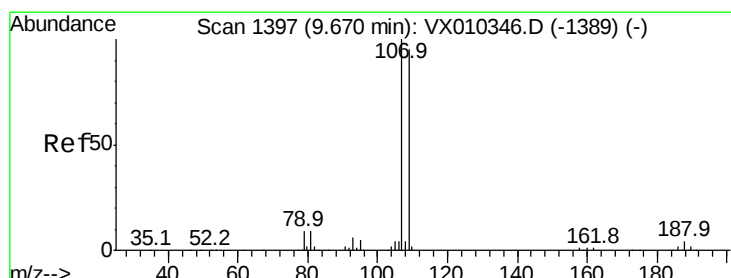
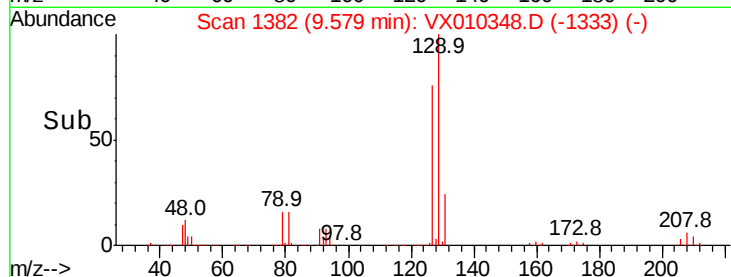
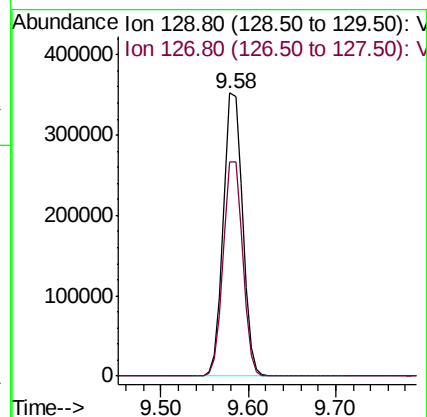
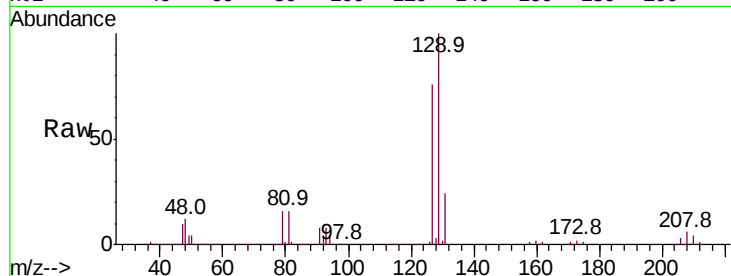
127 76.4 38.4 115.1

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#61

1,2-Dibromoethane

Concen: 151.403 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010348.D

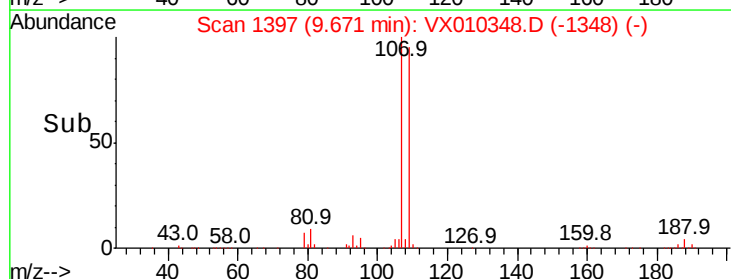
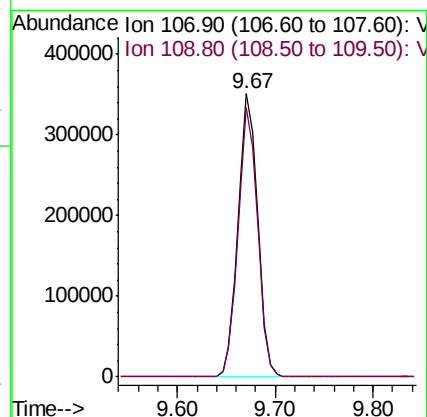
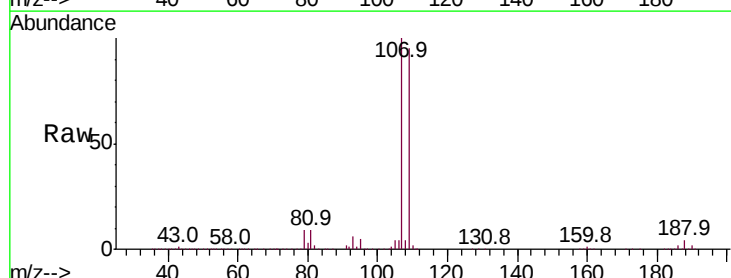
Acq: 19 Jun 2019 14:14

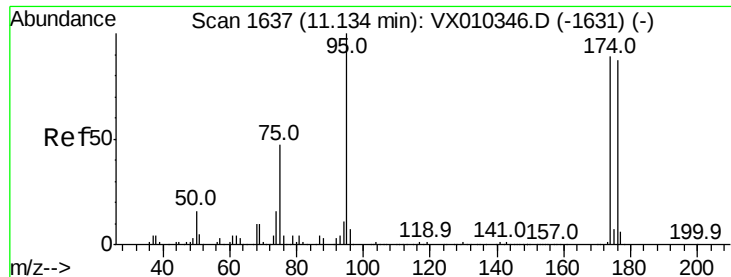
Tgt Ion:107 Resp: 490227

Ion Ratio Lower Upper

107 100

109 94.8 75.8 113.6





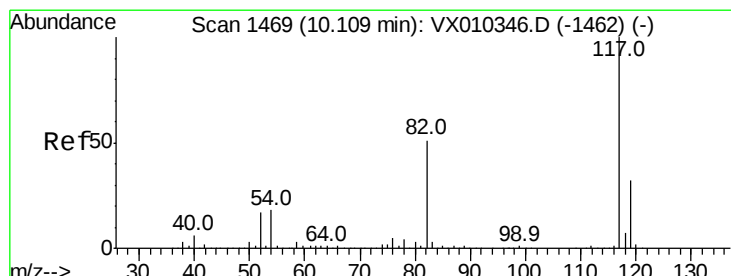
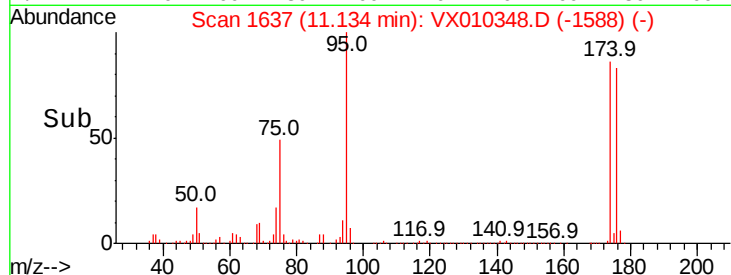
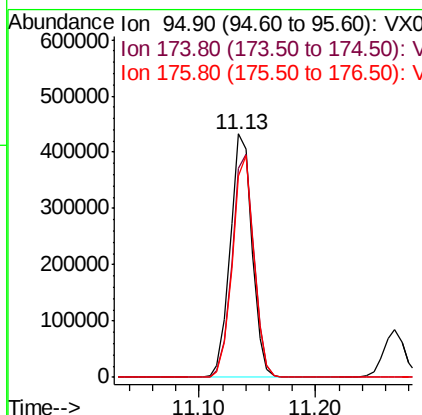
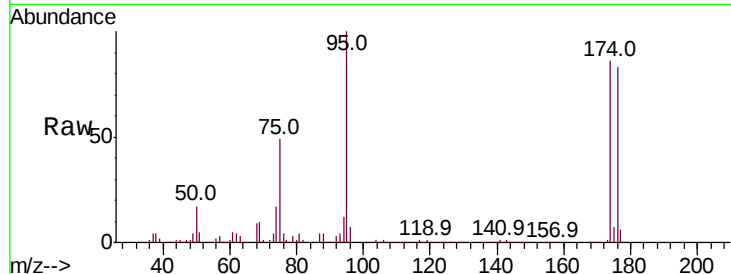
#62
4-Bromofluorobenzene
Concen: 152.747 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
95	100	565157		
174	91.8	0.0	187.6	
176	89.4	0.0	184.0	

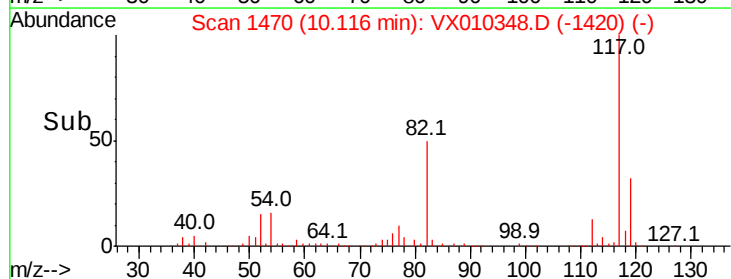
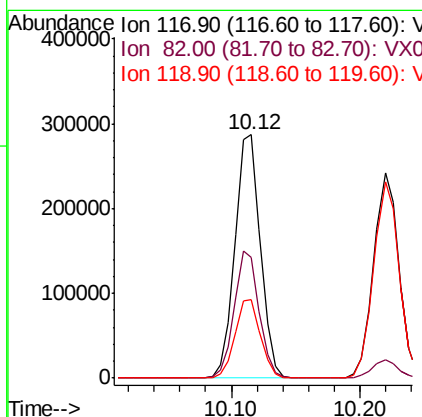
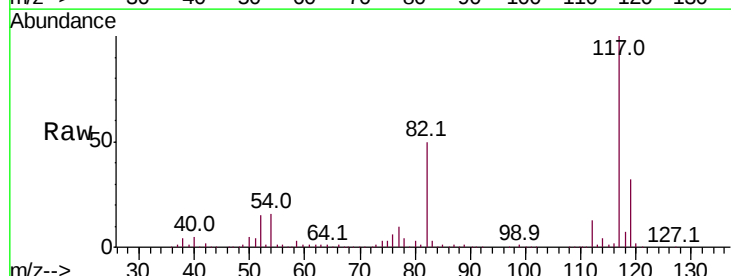
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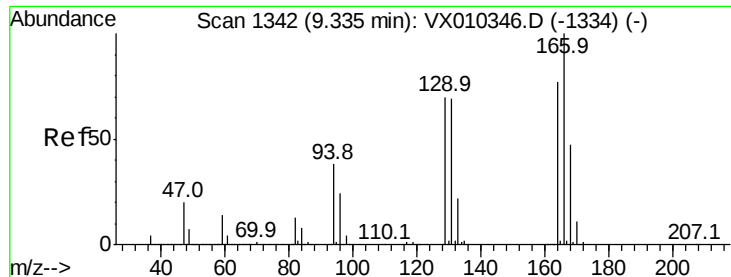
MMDadoda
6/20/2019 1:23:37 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	395847		
82	49.6	41.2	61.8	
119	32.5	25.5	38.3	





#64

Tetrachloroethene

Concen: 149.195 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 446313

Ion Ratio Lower Upper

164 100

166 129.6 103.6 155.4

129 91.1 73.0 109.4

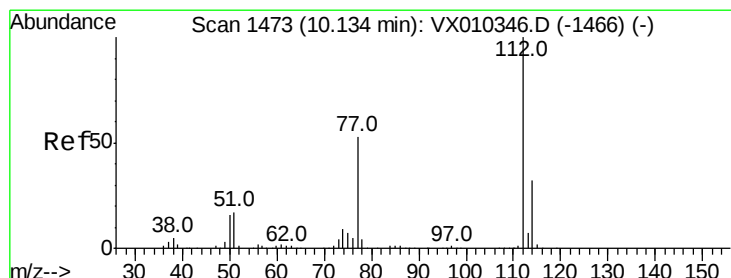
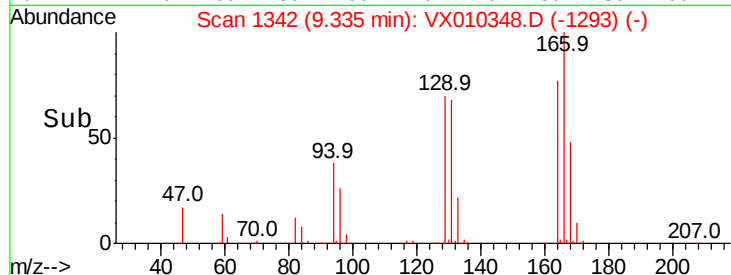
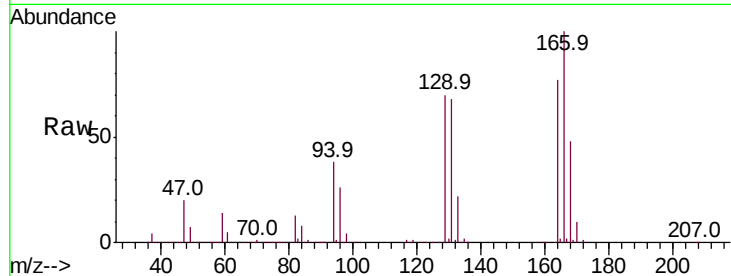
131 88.3 71.0 106.4

Manual Integrations

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#65

Chlorobenzene

Concen: 149.233 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010348.D

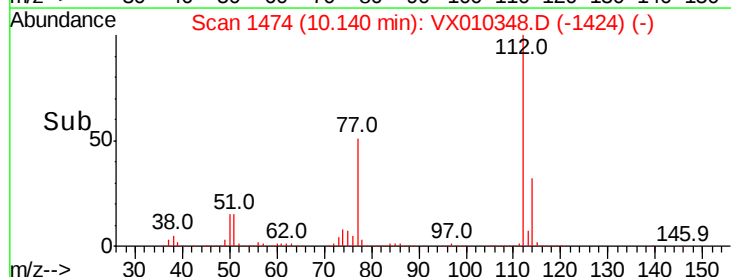
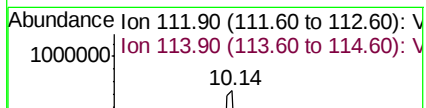
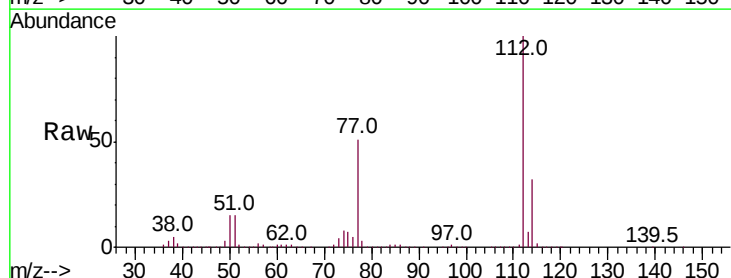
Acq: 19 Jun 2019 14:14

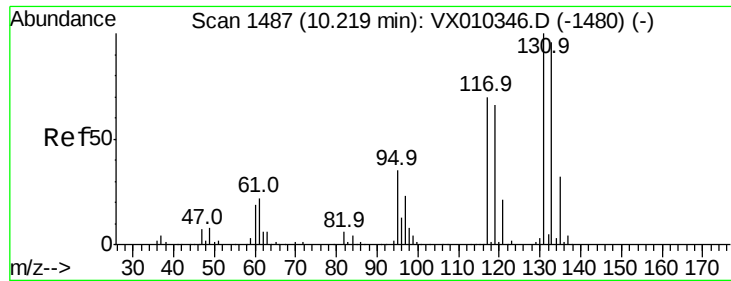
Tgt Ion:112 Resp: 1219141

Ion Ratio Lower Upper

112 100

114 32.4 25.4 38.2





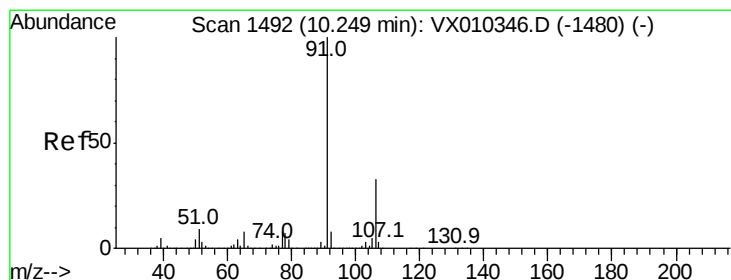
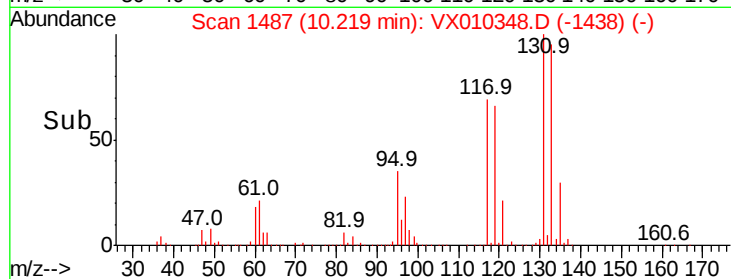
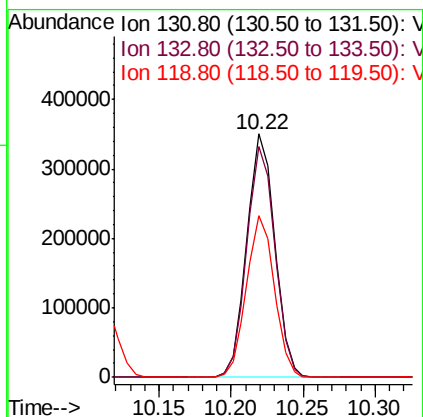
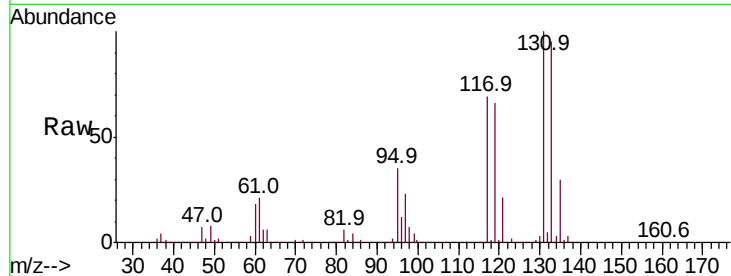
#66
 1,1,1,2-Tetrachloroethane
 Concen: 149.989 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.6	47.7	143.1
119	66.4	32.6	97.7

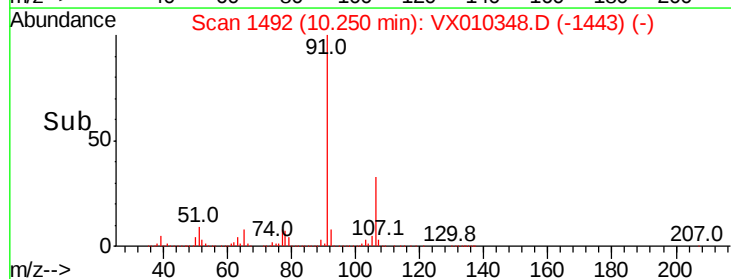
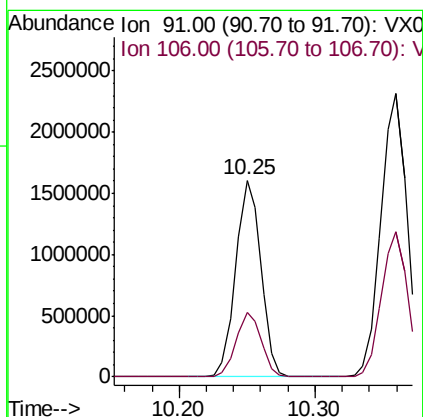
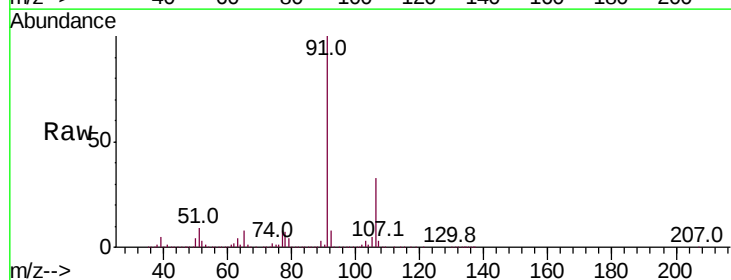
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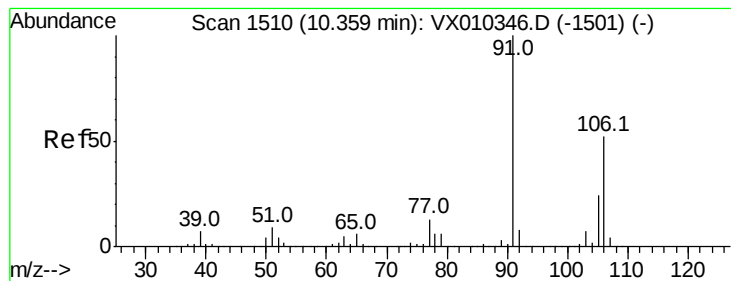
MMDadoda
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#67
 Ethyl Benzene
 Concen: 149.099 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.7	26.2	39.2





#68

m/p-Xvlenes

Concen: 293.623 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:106 Resp: 1582268

Ion Ratio Lower Upper

106 100

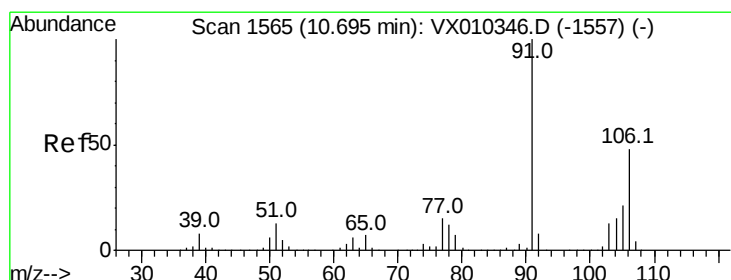
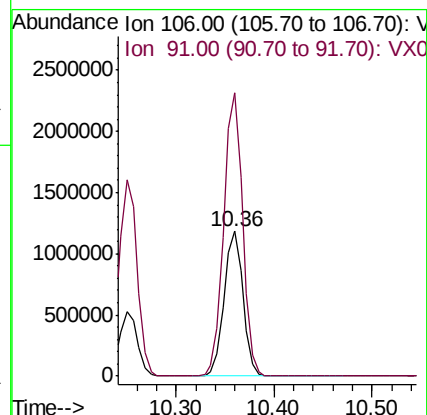
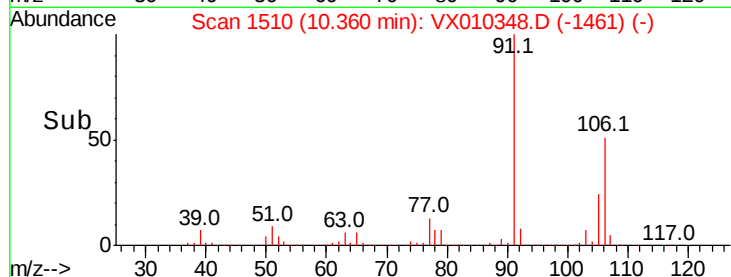
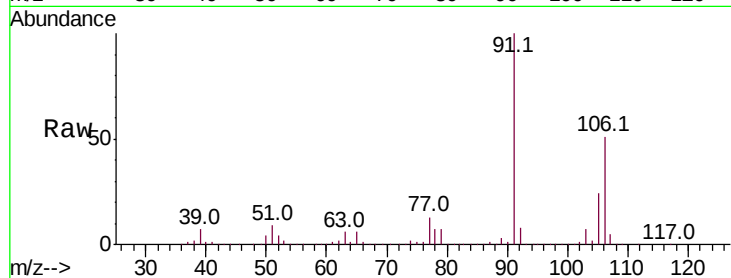
91 195.8 155.3 232.9

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#69

o-Xylene

Concen: 145.867 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX010348.D

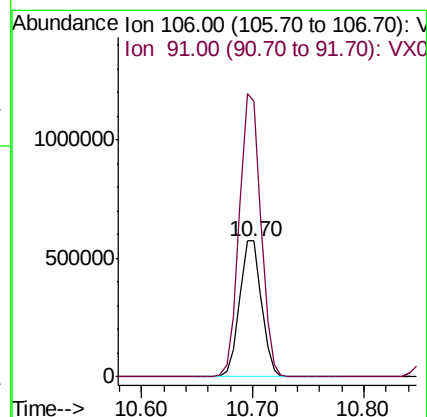
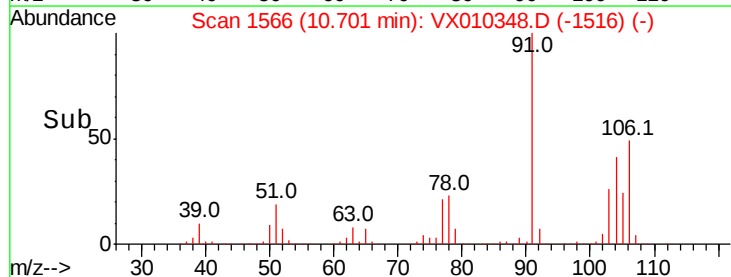
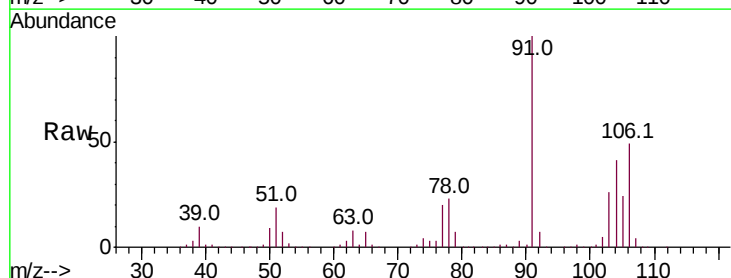
Acq: 19 Jun 2019 14:14

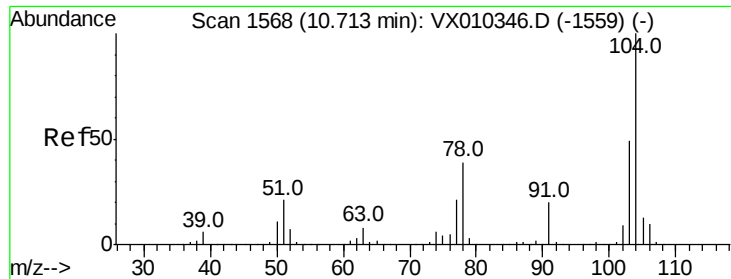
Tgt Ion:106 Resp: 779862

Ion Ratio Lower Upper

106 100

91 205.6 102.7 308.1





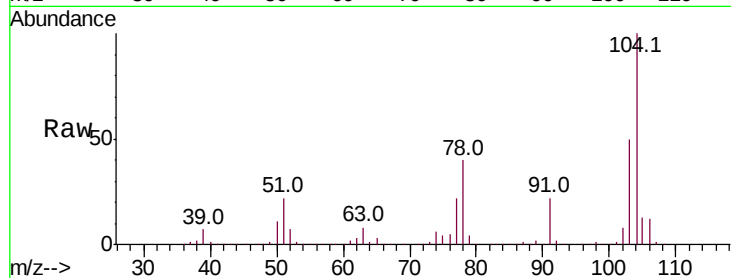
#70
Stvrene
Concen: 150.364 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
104	100		
78	46.5	36.2	54.2
103	55.0	44.2	66.4

Manual Integrations
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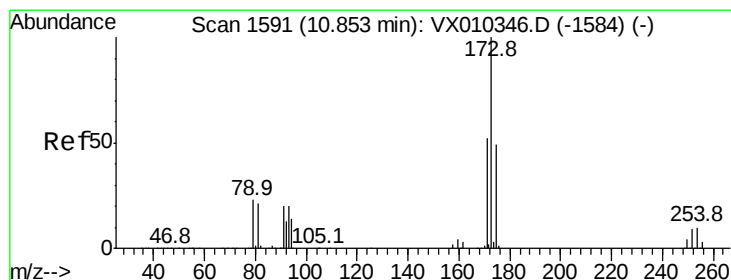
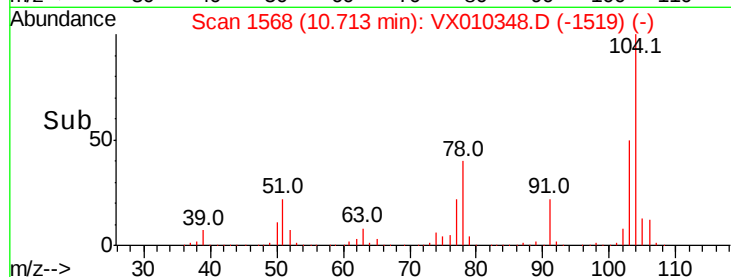
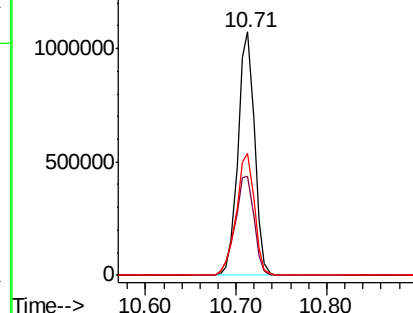


Abundance

Ion 104.00 (103.70 to 104.70): V

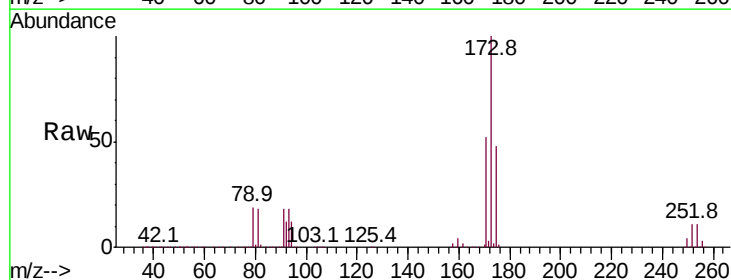
Ion 78.00 (77.70 to 78.70): VX0

Ion 103.00 (102.70 to 103.70): V



#71
Bromoform
Concen: 151.791 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.1	0.2	0.2#

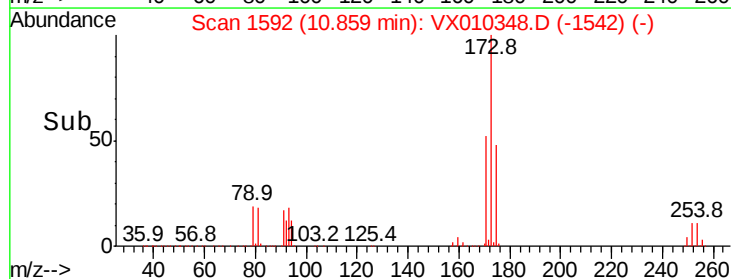
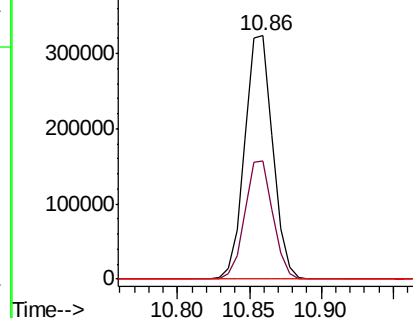


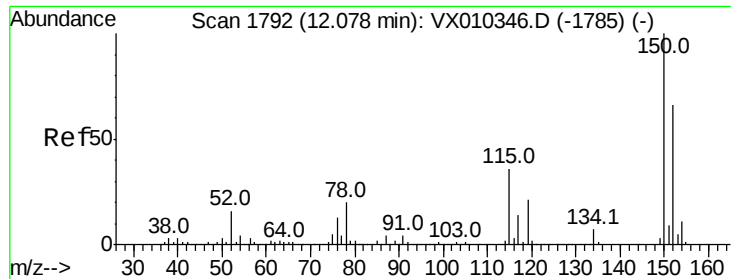
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:152 Resp: 203419

Ion Ratio Lower Upper

152 100

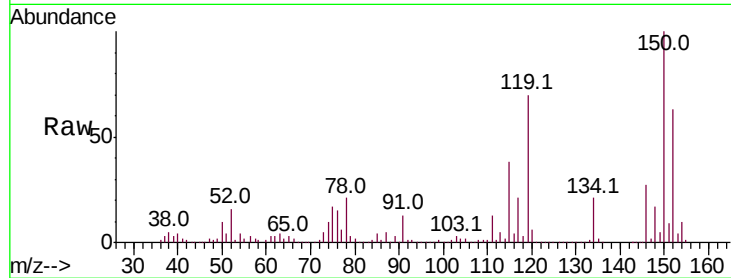
115 124.9 38.6 115.7#

150 208.7 0.0 347.4

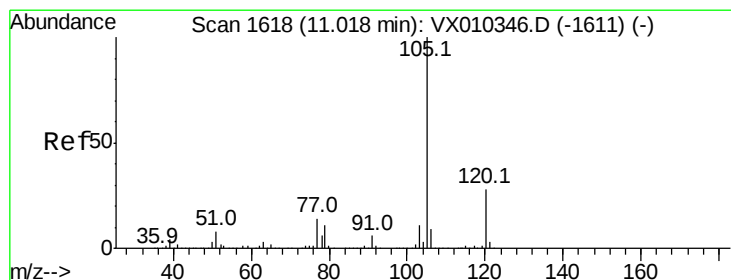
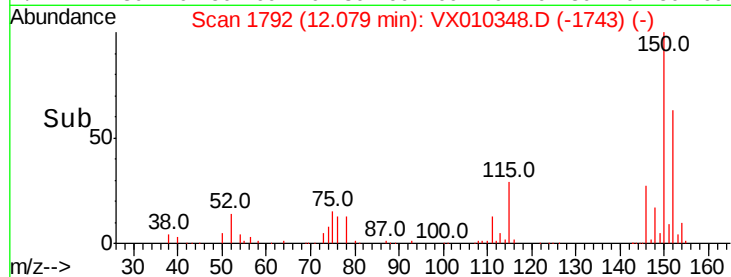
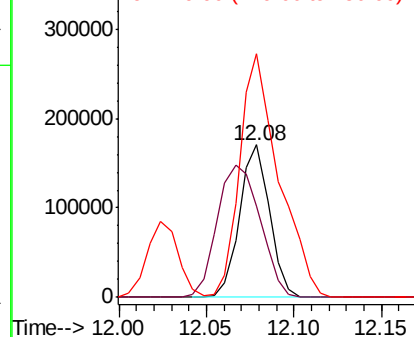
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 146.721 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010348.D

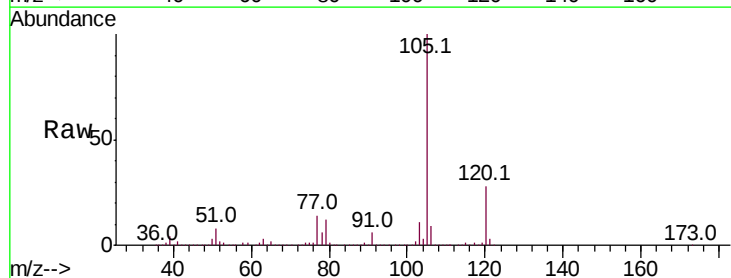
Acq: 19 Jun 2019 14:14

Tgt Ion:105 Resp: 2075723

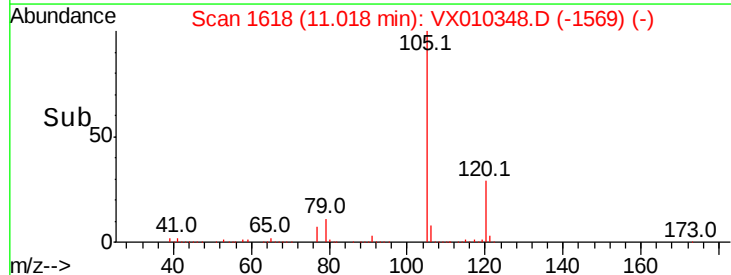
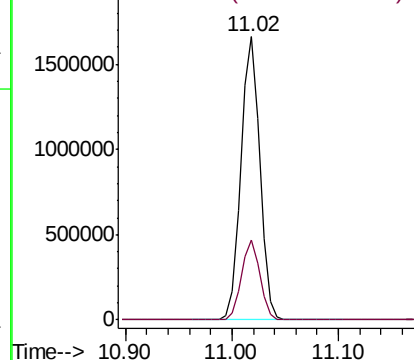
Ion Ratio Lower Upper

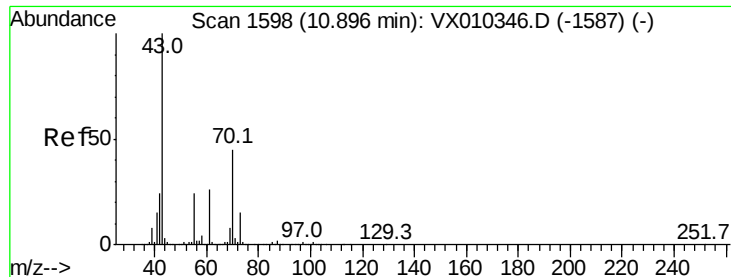
105 100

120 27.8 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 152.231 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

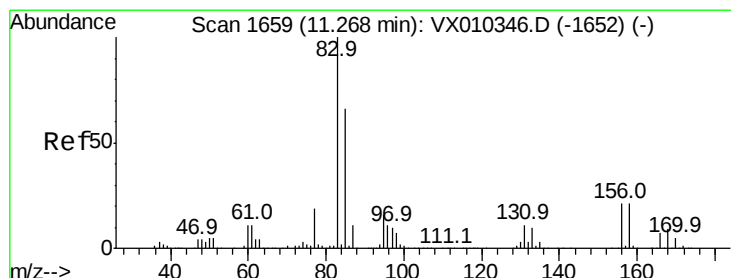
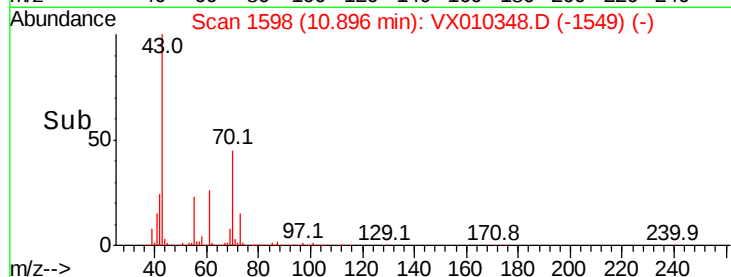
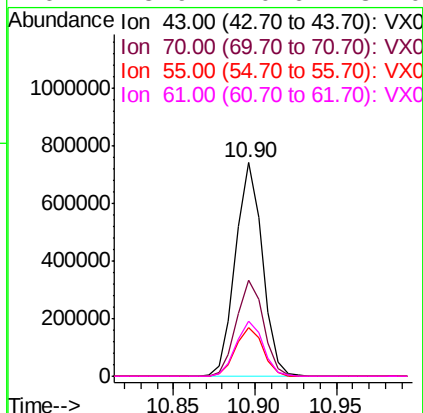
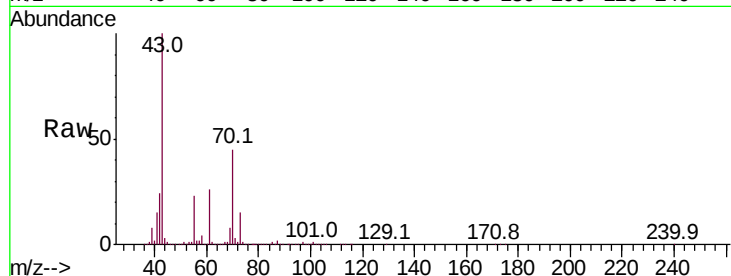
ClientSampled :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	45.5	36.6	54.8	
55	23.3	18.7	28.1	
61	25.9	20.6	31.0	

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#75

1,1,2,2-Tetrachloroethane

Concen: 143.671 ug/l

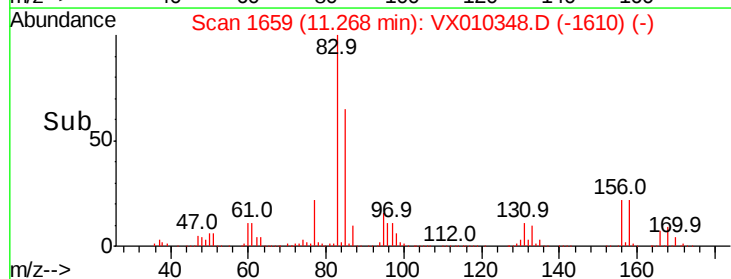
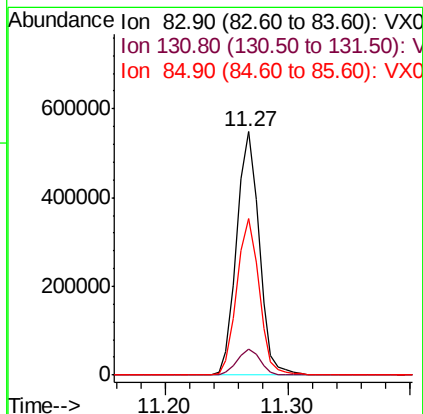
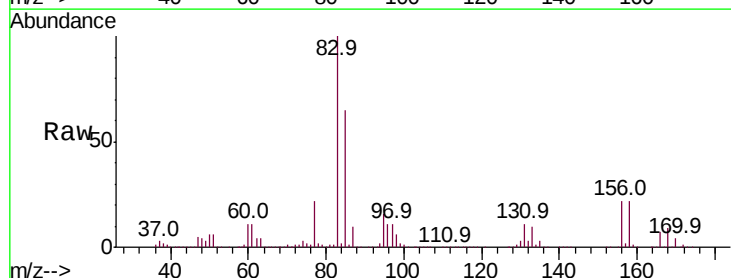
RT: 11.27 min Scan# 1659

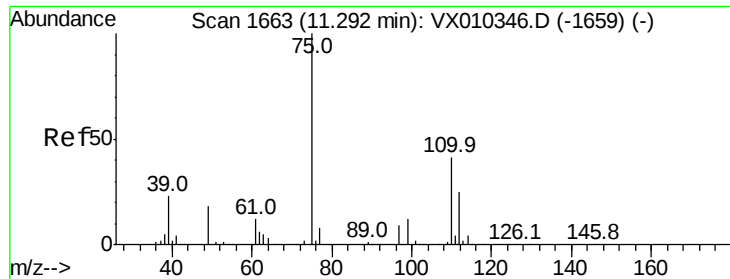
Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	10.9	5.5	16.4	
85	64.3	32.3	96.8	





#76

1,2,3-Trichloropropane

Concen: 136.675 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.01 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 551135

Ion Ratio Lower Upper

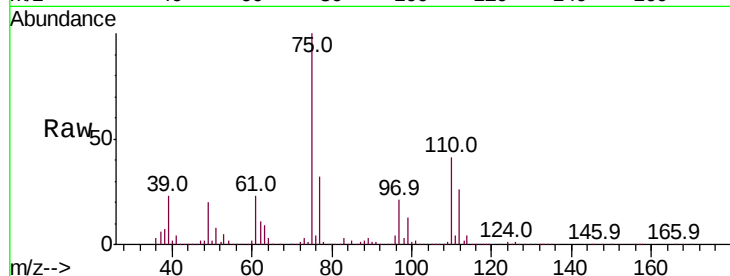
75 100

77 47.2 22.6 67.8

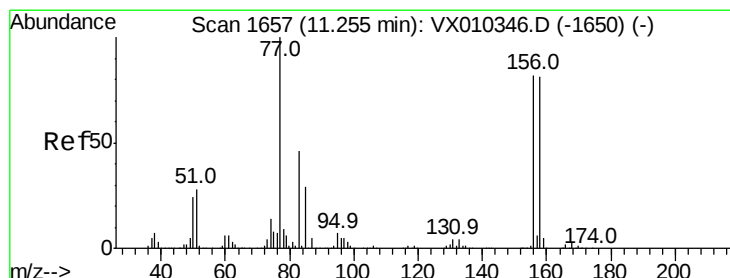
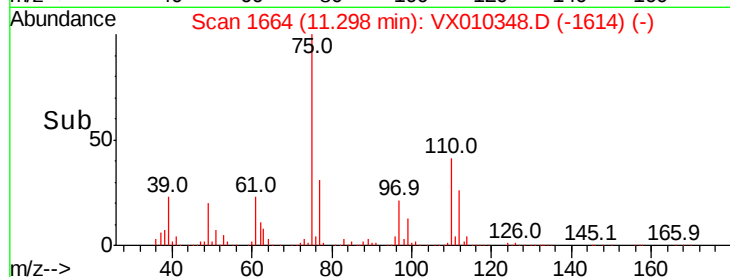
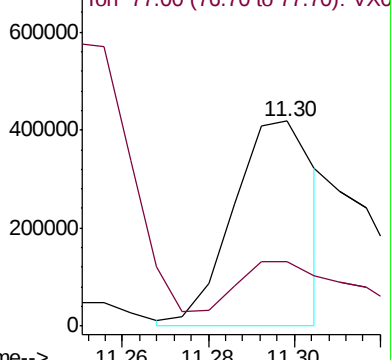
Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0



#77

Bromobenzene

Concen: 144.349 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

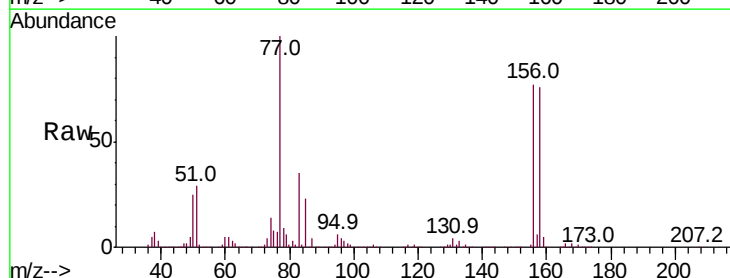
Tgt Ion: 156 Resp: 562918

Ion Ratio Lower Upper

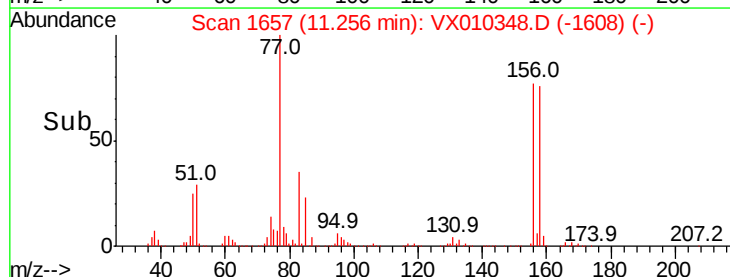
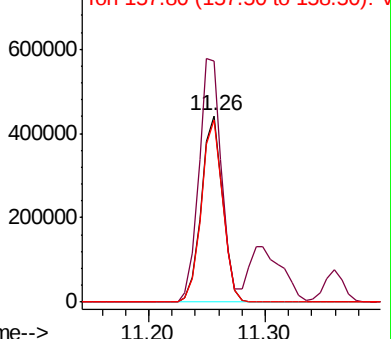
156 100

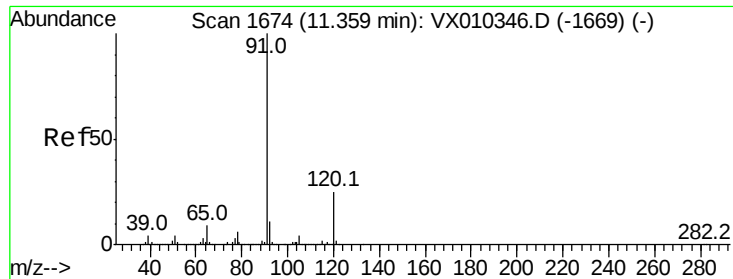
77 137.3 66.3 198.7

158 98.1 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V





#78

n-propylbenzene

Concen: 149.109 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2349323

Ion Ratio Lower Upper

91 100

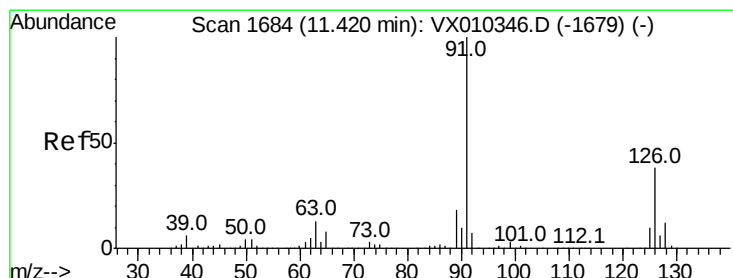
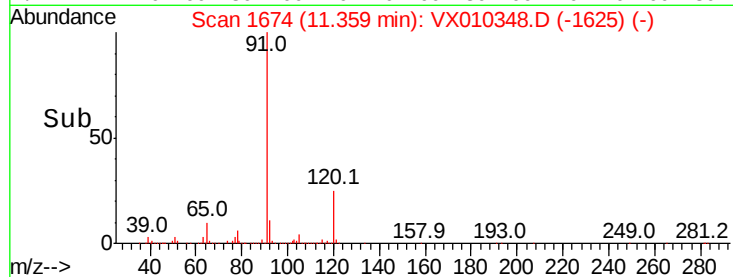
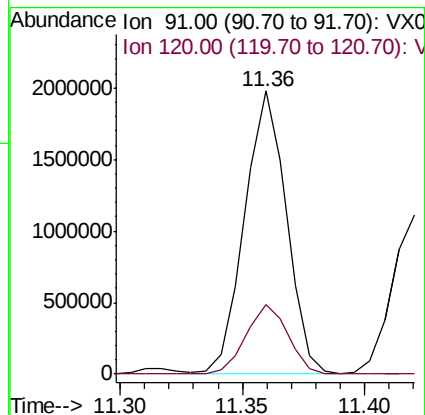
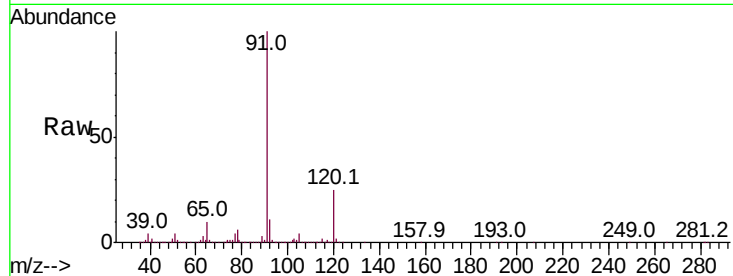
120 24.7 12.4 37.4

Manual Integrations

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#79

2-Chlorotoluene

Concen: 144.115 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010348.D

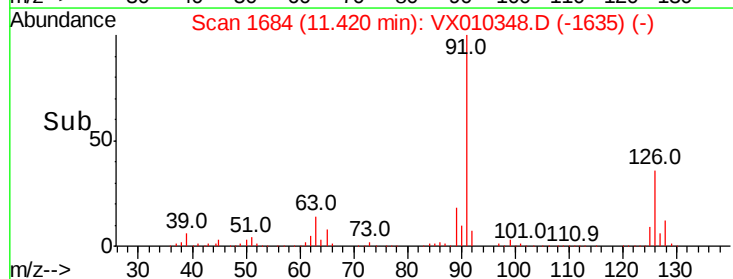
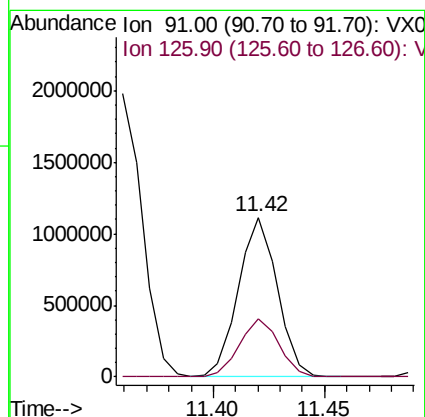
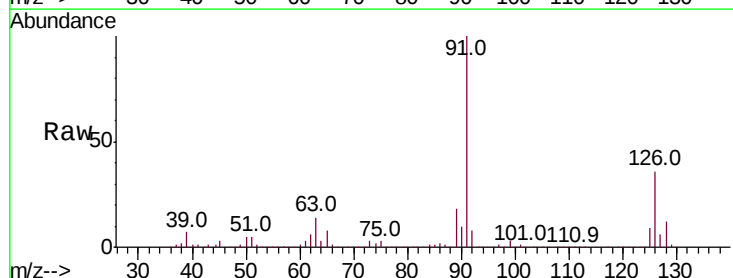
Acq: 19 Jun 2019 14:14

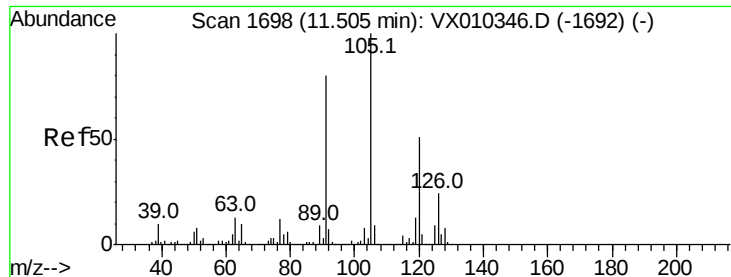
Tgt Ion: 91 Resp: 1360237

Ion Ratio Lower Upper

91 100

126 37.1 18.7 56.1





#80

1,3,5-Trimethylbenzene

Concen: 143.754 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1715867

Ion Ratio Lower Upper

105 100

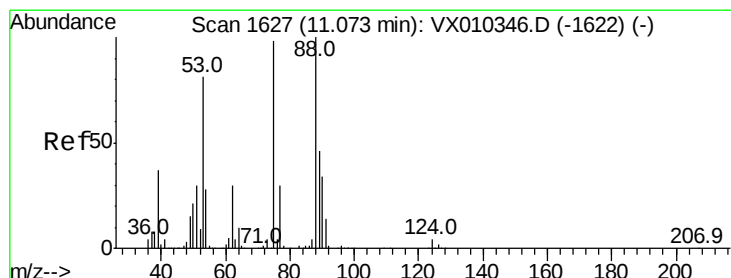
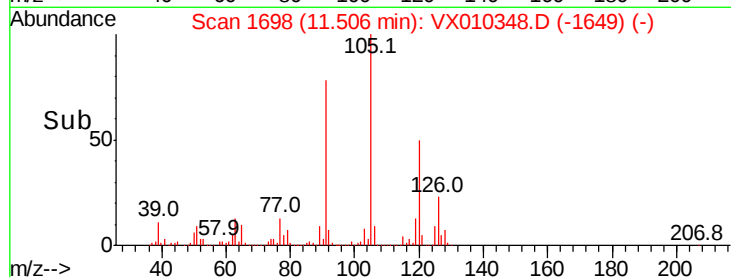
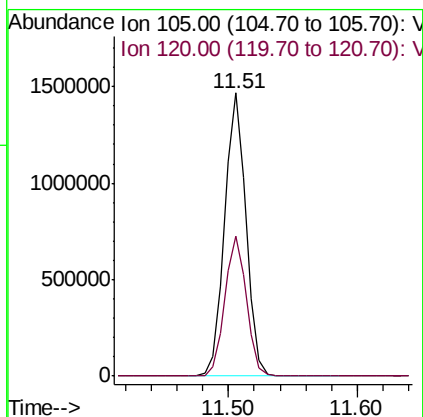
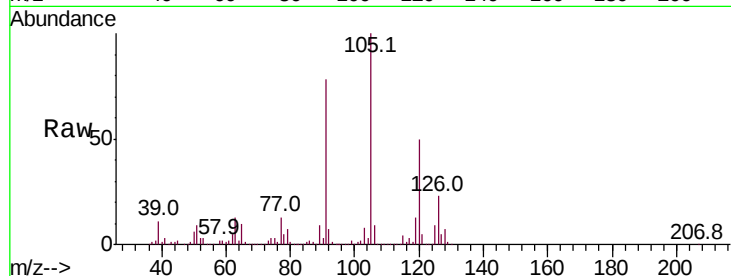
120 50.0 25.2 75.6

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#81

trans-1,4-Dichloro-2-butene

Concen: 147.376 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

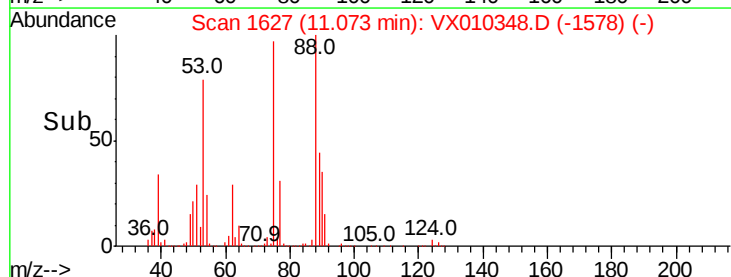
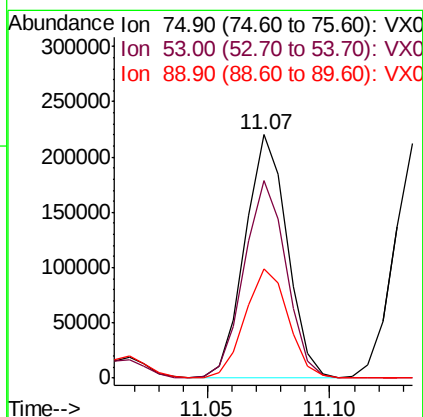
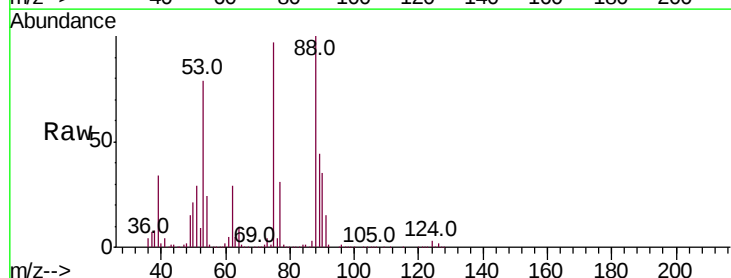
Tgt Ion: 75 Resp: 265451

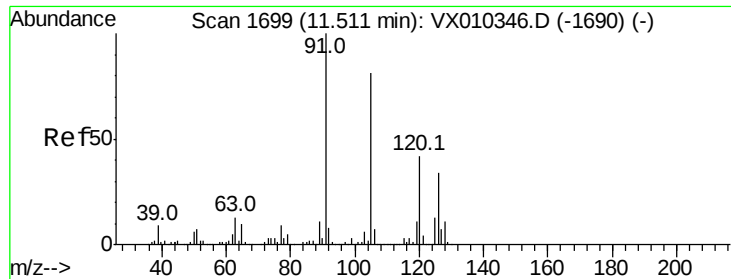
Ion Ratio Lower Upper

75 100

53 80.9 66.1 99.1

89 46.2 37.8 56.6





#82

4-Chlorotoluene

Concen: 147.727 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1584382

Ion Ratio Lower Upper

91 100

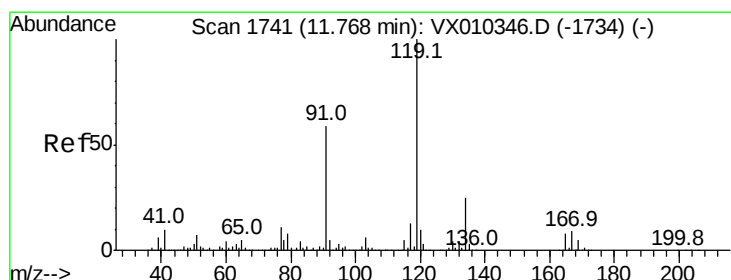
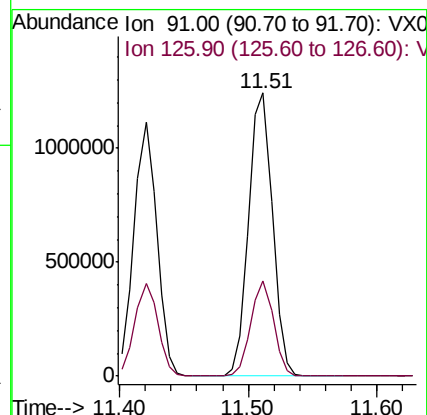
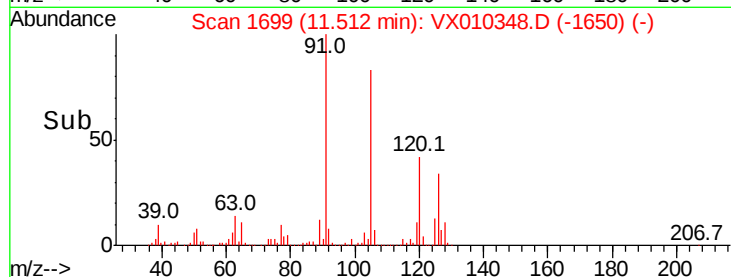
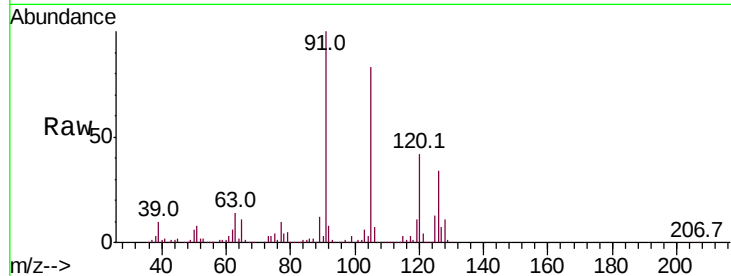
126 32.0 16.2 48.6

Manual Integrations

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#83

tert-Butylbenzene

Concen: 146.615 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

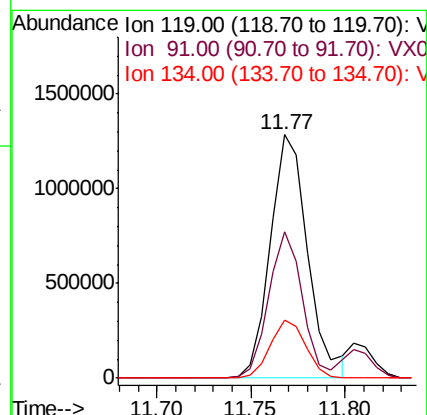
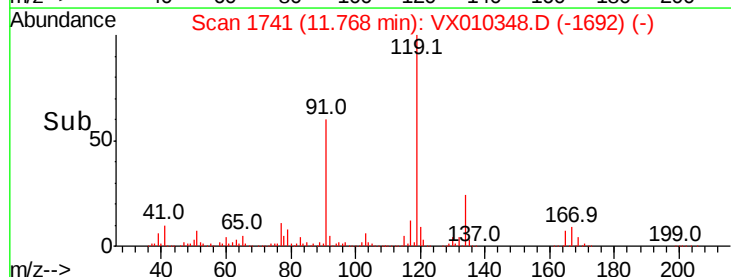
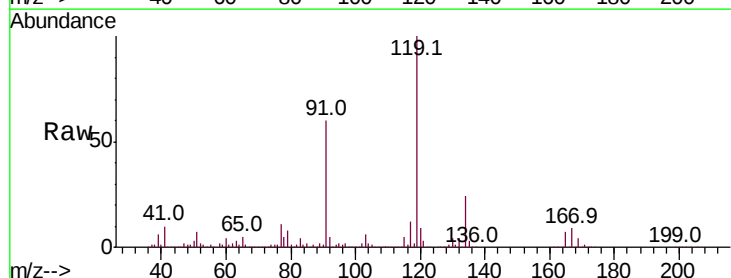
Tgt Ion: 119 Resp: 1766049

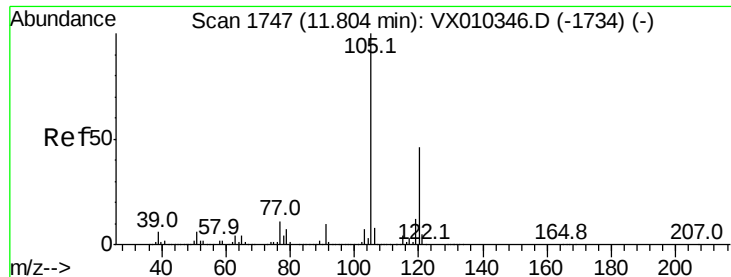
Ion Ratio Lower Upper

119 100

91 54.4 27.6 82.7

134 22.6 11.8 35.4





#84

1,2,4-Trimethylbenzene

Concen: 146.689 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1769004

Ion Ratio Lower Upper

105 100

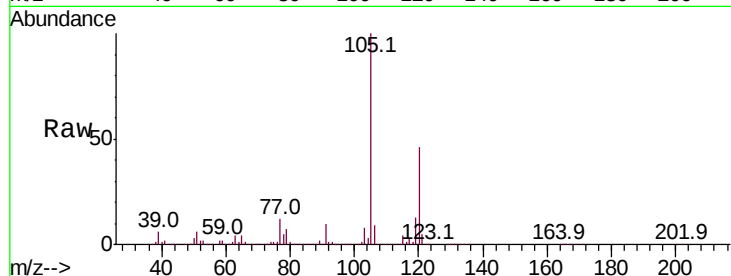
120 46.4 23.1 69.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 120.00 (119.70 to 120.70): V

1500000

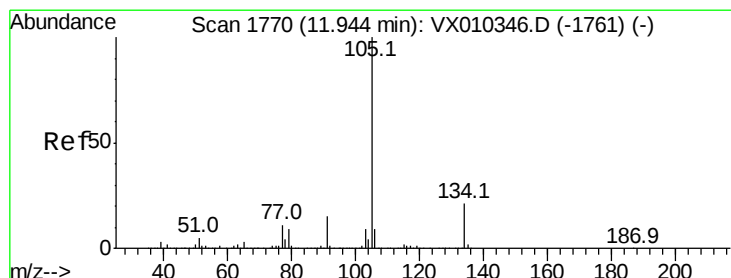
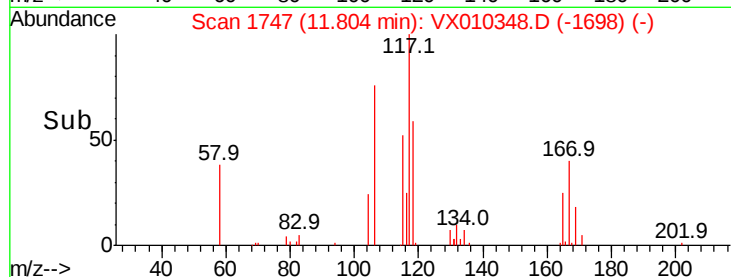
1000000

500000

0

11.70 11.80 11.90

Time-->



#85

sec-Butylbenzene

Concen: 146.580 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010348.D

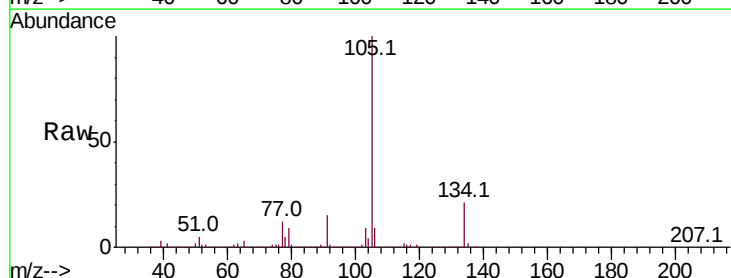
Acq: 19 Jun 2019 14:14

Tgt Ion:105 Resp: 2061056

Ion Ratio Lower Upper

105 100

134 21.0 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

2000000 Ion 134.00 (133.70 to 134.70): V

1500000

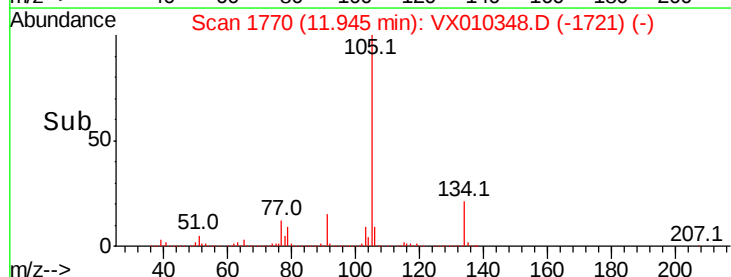
1000000

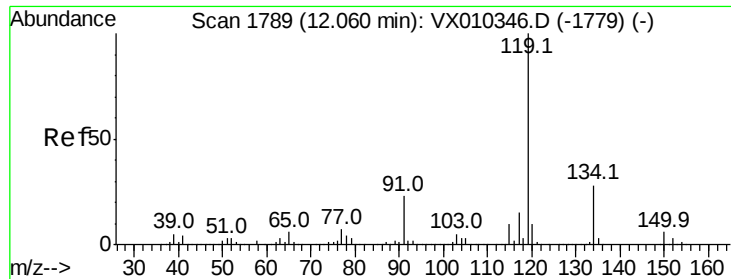
500000

0

11.90 12.00

Time-->





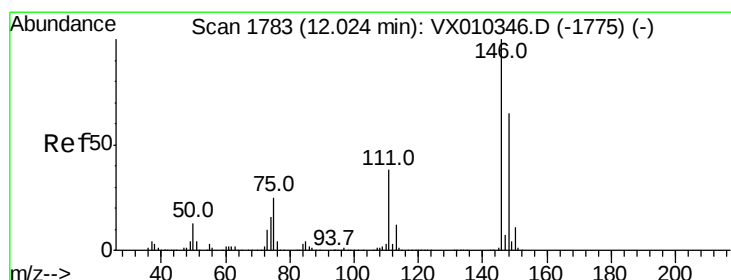
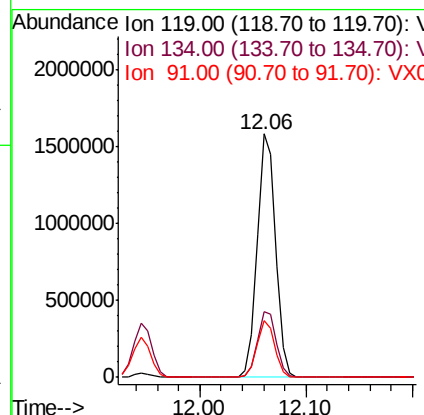
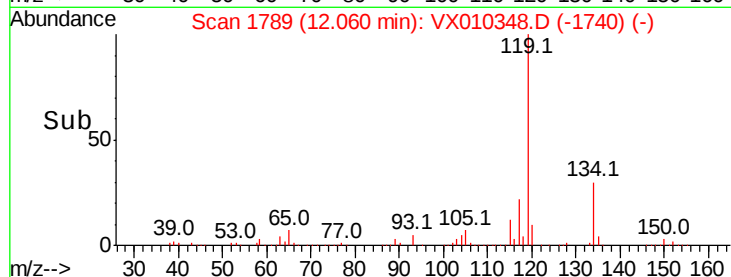
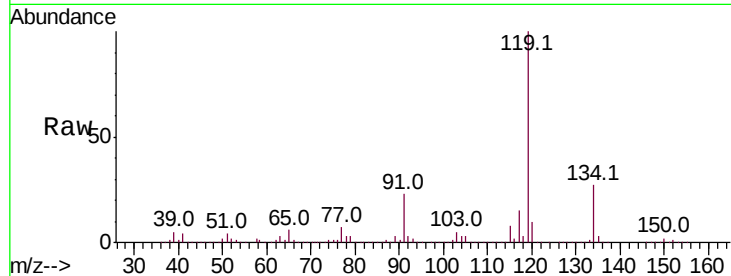
#86
p-Isopropyltoluene
Concen: 148.946 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Instrument :
MSVOA_X
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1917268
Ion Ratio Lower Upper
119 100
134 27.3 13.7 41.1
91 22.5 11.3 33.8

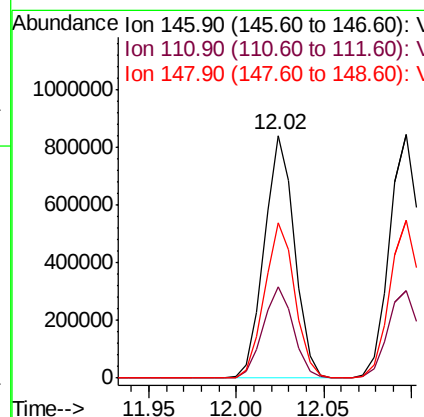
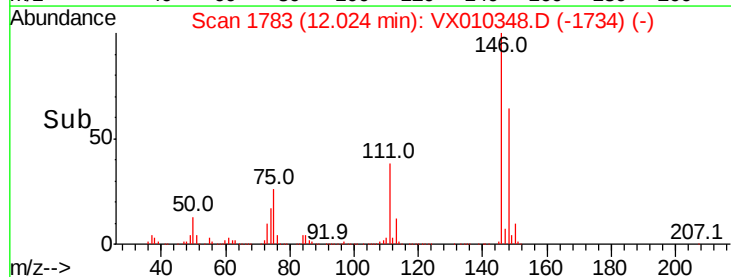
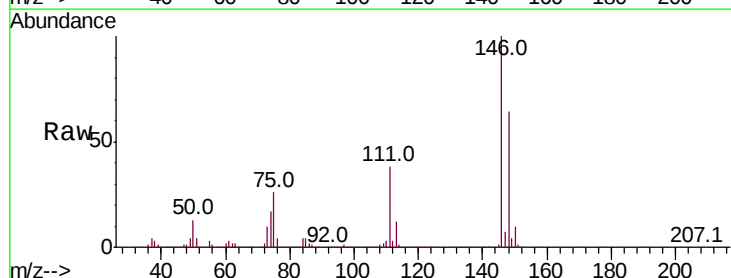
Manual Integrations
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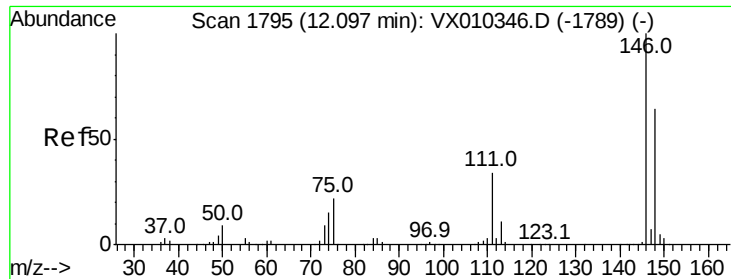
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#87
1,3-Dichlorobenzene
Concen: 149.438 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VX010348.D
Acq: 19 Jun 2019 14:14

Tgt Ion:146 Resp: 1024520
Ion Ratio Lower Upper
146 100
111 37.6 19.1 57.1
148 64.1 32.5 97.4





#88

1,4-Dichlorobenzene

Concen: 146.145 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 1013556

Ion Ratio Lower Upper

146 100

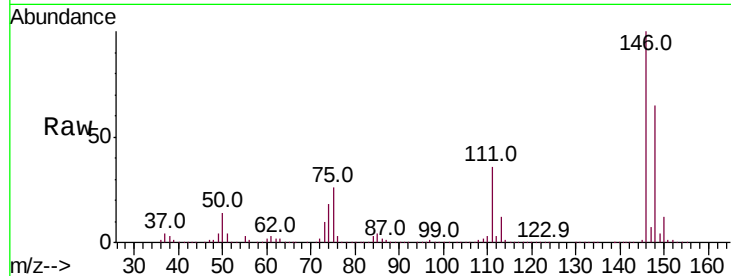
111 36.5 18.1 54.3

148 64.2 32.1 96.3

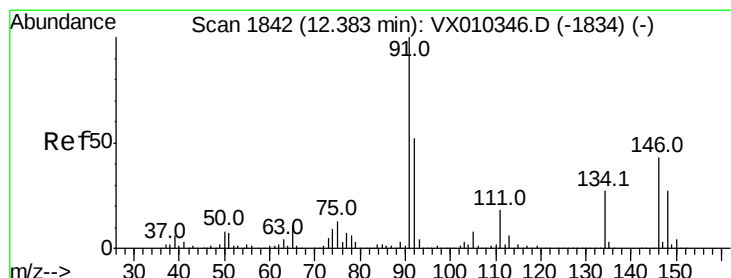
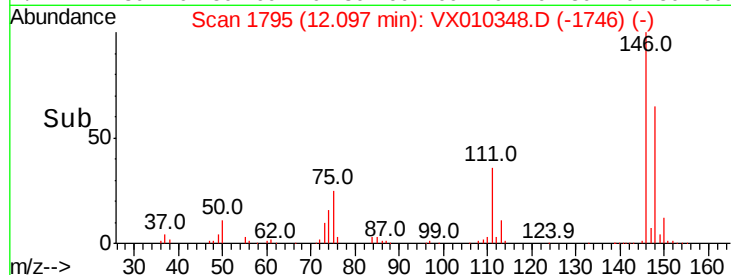
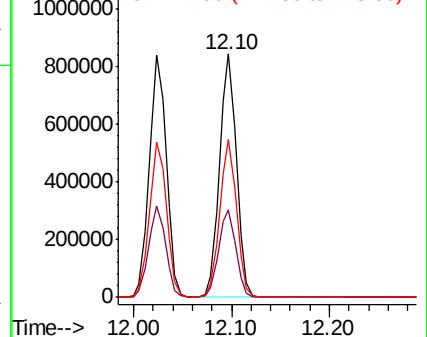
Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 152.962 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

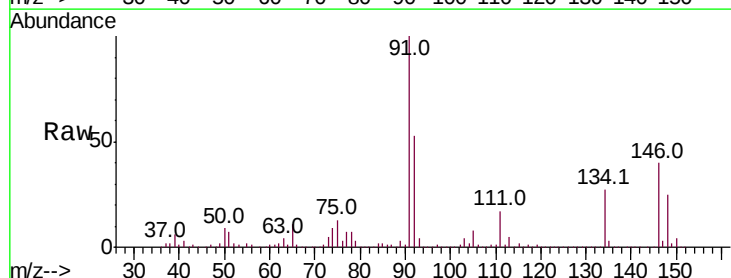
Tgt Ion: 91 Resp: 1693263

Ion Ratio Lower Upper

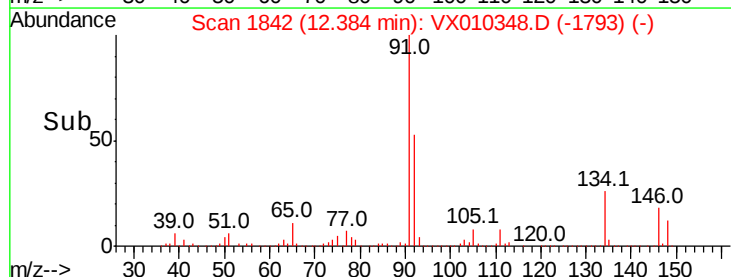
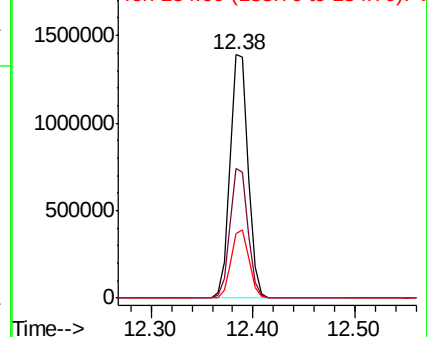
91 100

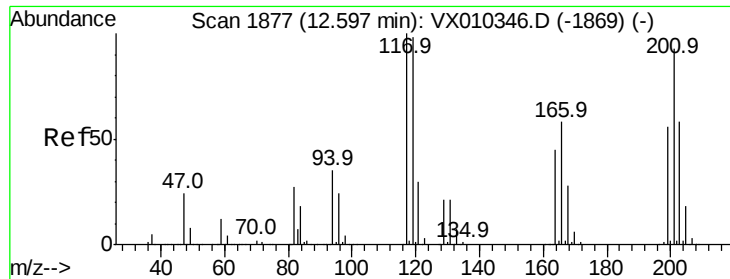
92 52.9 26.2 78.5

134 28.0 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





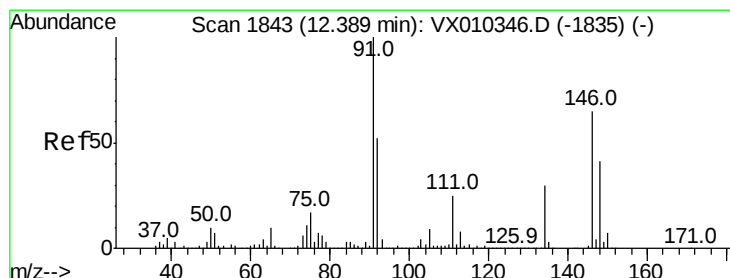
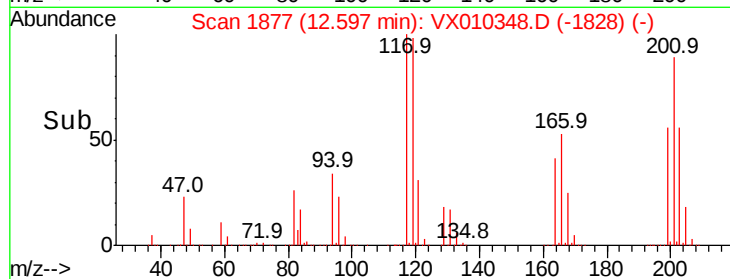
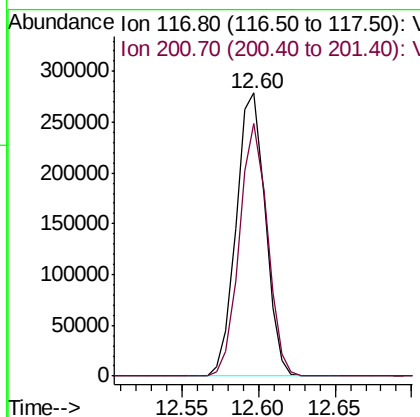
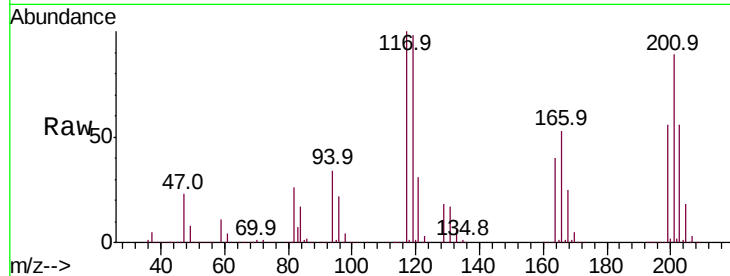
#90
 Hexachloroethane
 Concen: 145.400 ug/l
 RT: 12.60 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Instrument :
 MSVOA_X
 ClientSampled :
 VSTDIC150

Tot Ion:117 Resp: 367506
 Ion Ratio Lower Upper
 117 100
 201 86.1 44.0 131.8

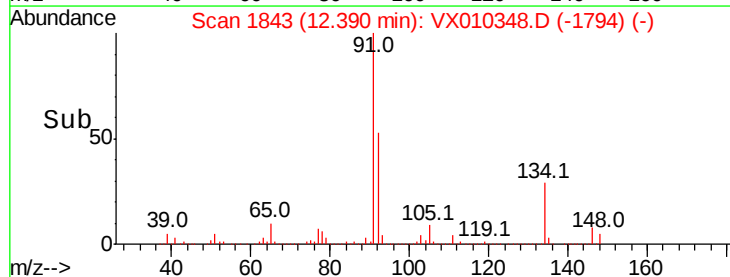
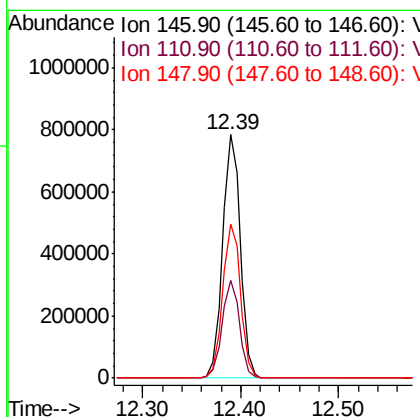
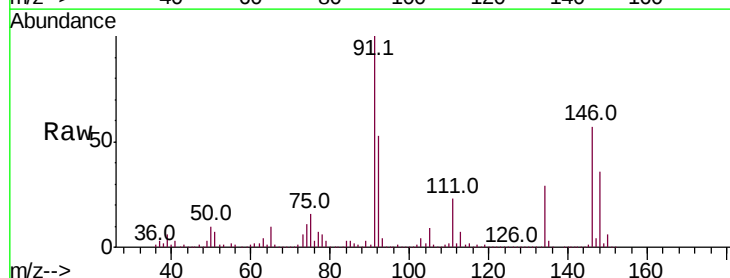
Manual Integrations
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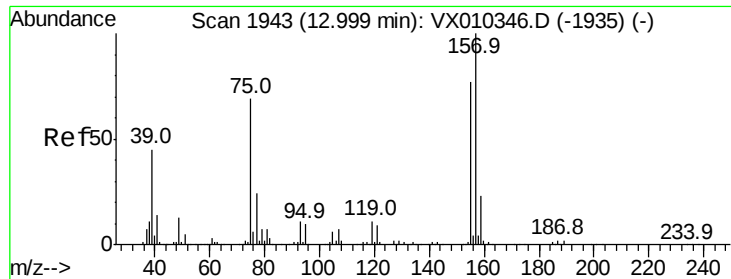
MMDadoda
 6/20/2019 1:23:37 PM



#91
 1,2-Dichlorobenzene
 Concen: 146.733 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Tgt Ion:146 Resp: 981890
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.2 57.6
 148 63.7 32.0 96.0





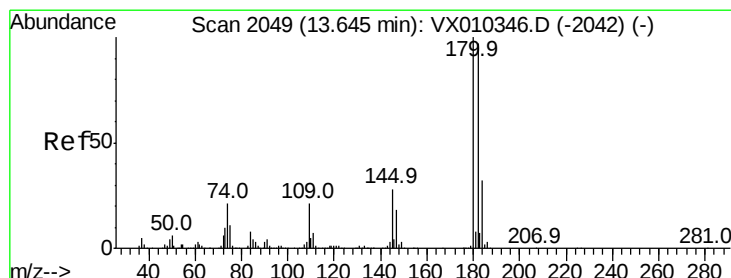
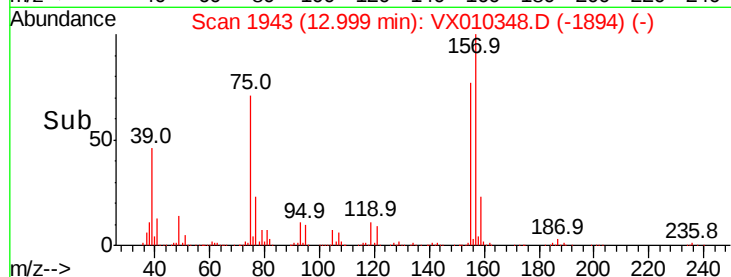
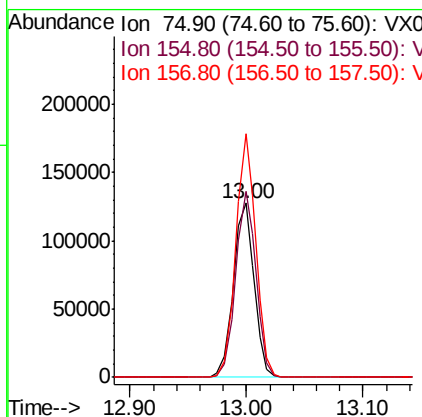
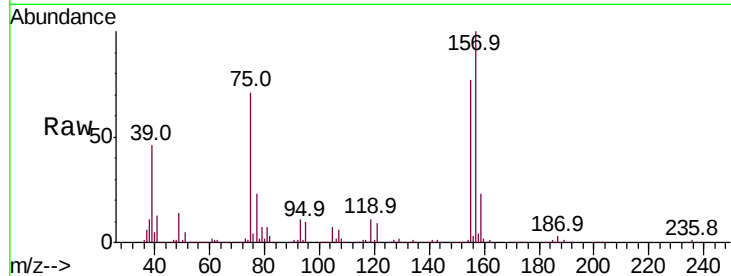
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 140.903 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
155	105.1	54.4	163.1	
157	134.7	69.5	208.3	

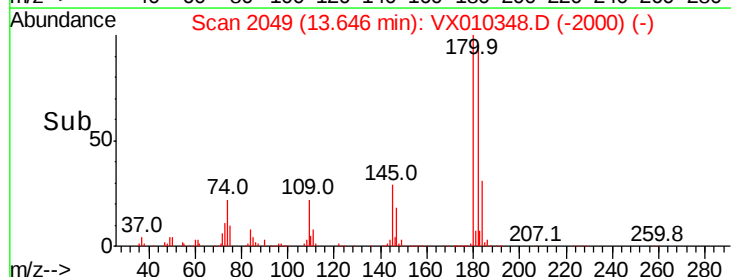
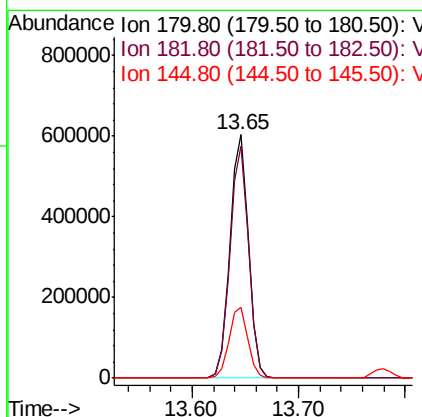
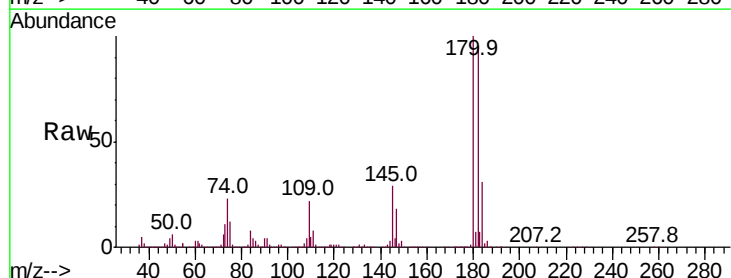
Manual Integrations
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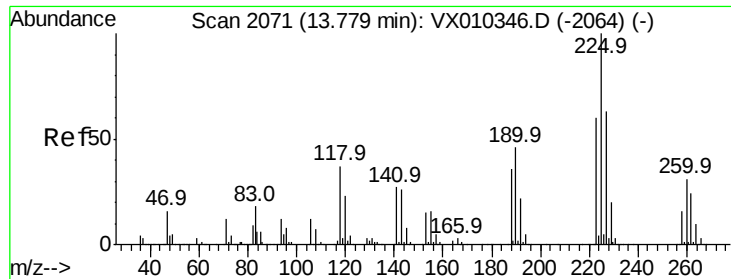
MMDadoda
 6/20/2019 1:23:37 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 150.936 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	48.0	144.0	
145	29.6	14.4	43.4	





#94

Hexachlorobutadiene

Concen: 155.922 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. 0.00 min

Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Instrument :

MSVOA_X

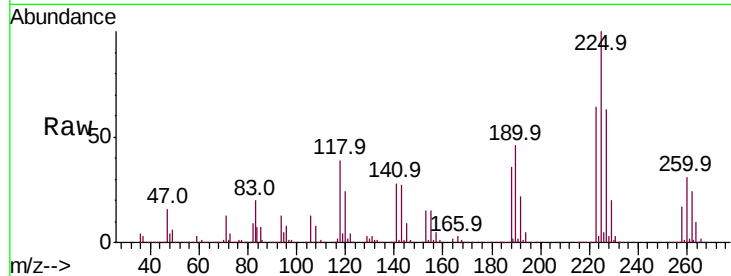
ClientSampleId :

VSTDIC150

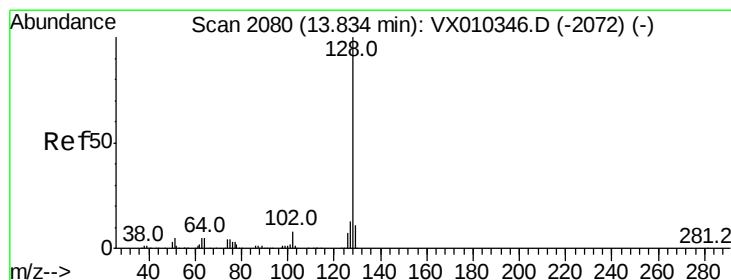
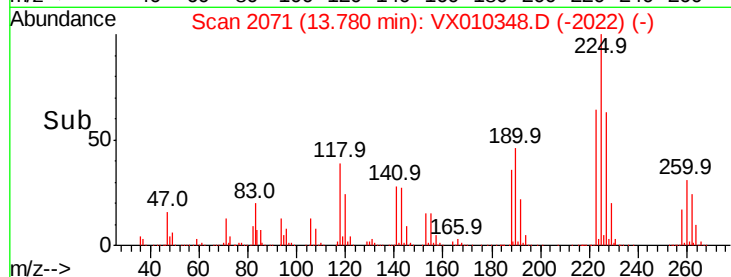
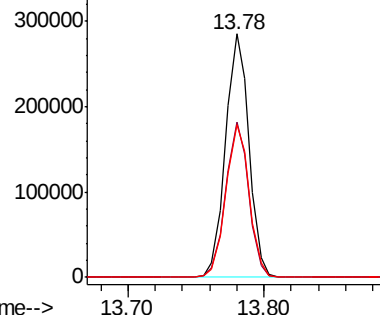
Tot Ion:	225	Resp:	344472
Ion Ratio	Lower	Upper	
225	100		
223	62.9	30.9	92.7
227	62.8	31.9	95.5

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



#95

Naphthalene

Concen: 149.782 ug/l

RT: 13.83 min Scan# 2080

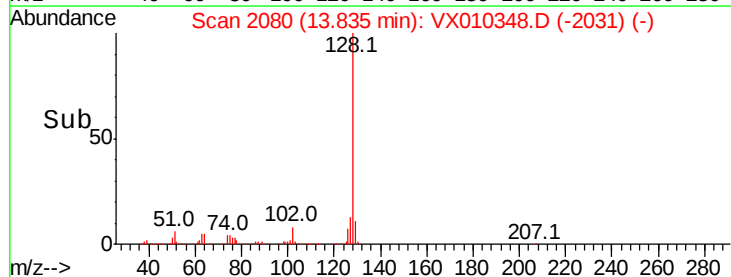
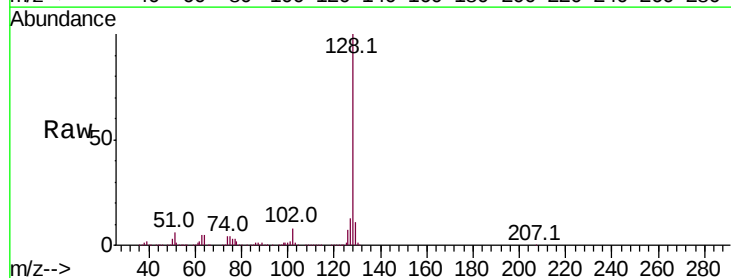
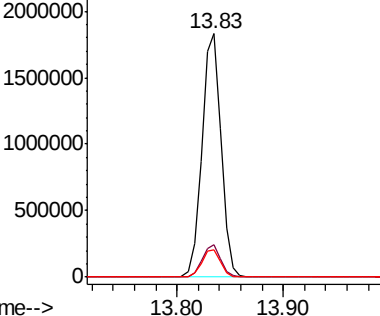
Delta R.T. 0.00 min

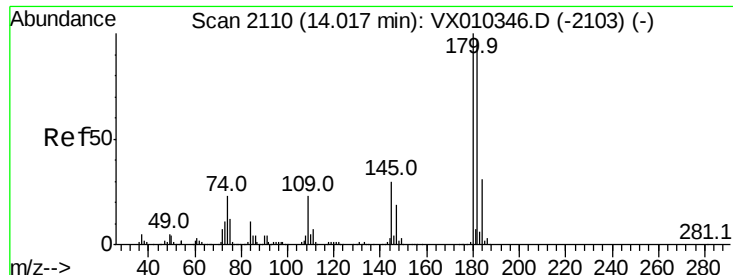
Lab File: VX010348.D

Acq: 19 Jun 2019 14:14

Tgt Ion:	128	Resp:	2297783
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	11.0	8.9	13.3

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 150.531 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. 0.00 min
 Lab File: VX010348.D
 Acq: 19 Jun 2019 14:14

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.6	47.8	143.3
145	31.1	15.2	45.6

Manual Integrations
 APPROVED

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