

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010506.D
 Acq On : 27 Jun 2019 23:53
 Operator : JC/SP
 Sample : VX0627WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Manual Integrations
 APPROVED

MMDadoda
 6/28/2019 10:36:36 AM

Quant Time: Jun 28 07:59:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	246238	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	369830	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	333022	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171645	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	116743	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	5.50	113	113067	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	8.71	98	425807	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	11.13	95	151415	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31434	18.362	ug/l	98
3) Chloromethane	1.32	50	34941	17.528	ug/l	99
4) Vinyl Chloride	1.41	62	39906	18.277	ug/l	100
5) Bromomethane	1.64	94	24733	23.252	ug/l	96
6) Chloroethane	1.72	64	25924	20.125	ug/l	100
7) Trichlorofluoromethane	1.93	101	70073	20.245	ug/l	100
8) Diethyl Ether	2.19	74	25803	20.788	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.39	101	40792	19.448	ug/l	100
10) Methyl Iodide	2.51	142	55689	18.604	ug/l	98
11) Tert butyl alcohol	3.05	59	56761	93.957	ug/l	97
12) 1,1-Dichloroethene	2.37	96	39833	18.663	ug/l	100
13) Acrolein	2.29	56	27779	69.316	ug/l	99
14) Allyl chloride	2.73	41	57066	18.833	ug/l	99
15) Acrylonitrile	3.14	53	126052	105.387	ug/l	99
16) Acetone	2.45	43	102499	88.585	ug/l	97
17) Carbon Disulfide	2.57	76	91927	16.054	ug/l	97
18) Methyl Acetate	2.78	43	49359	21.404	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	136678	20.356	ug/l	97
20) Methylene Chloride	2.85	84	47262	19.848	ug/l	95
21) trans-1,2-Dichloroethene	3.17	96	44210	19.259	ug/l	99
22) Diisopropyl ether	3.85	45	126559	19.977	ug/l	99
23) Vinyl Acetate	3.81	43	540857	98.822	ug/l	99
24) 1,1-Dichloroethane	3.70	63	73627	20.105	ug/l	98
25) 2-Butanone	4.67	43	169640	99.949	ug/l	97
26) 2,2-Dichloropropane	4.59	77	45653	14.351	ug/l	98
27) cis-1,2-Dichloroethene	4.59	96	52878	19.934	ug/l	96
28) Bromochloromethane	5.03	49	29780	17.008	ug/l	99
29) Tetrahydrofuran	5.13	42	107949	102.682	ug/l	97
30) Chloroform	5.21	83	78480	19.918	ug/l	98
31) Cyclohexane	5.58	56	62875	18.854	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	67667	19.449	ug/l	98
36) 1,1-Dichloropropene	5.80	75	54347	18.492	ug/l	99
37) Ethyl Acetate	4.83	43	62403	20.640	ug/l	99
38) Carbon Tetrachloride	5.79	117	57197	17.973	ug/l	94

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	68718	17.788	ug/l	99
40) Benzene	6.15	78	181907	19.868	ug/l	99
41) Methacrylonitrile	5.04	41	34029	20.513	ug/l	97
42) 1,2-Dichloroethane	6.20	62	57911	20.778	ug/l	99
43) Isopropyl Acetate	6.45	43	100981	20.188	ug/l	98
44) Trichloroethene	7.21	130	53628	19.574	ug/l	97
45) 1,2-Dichloropropane	7.51	63	45668	19.751	ug/l	99
46) Dibromomethane	7.66	93	33258	20.048	ug/l	99
47) Bromodichloromethane	7.90	83	58137	19.123	ug/l	99
48) Methyl methacrylate	7.77	41	46737	20.101	ug/l	99
49) 1,4-Dioxane	7.74	88	29867	445.914	ug/l	97
51) 4-Methyl-2-Pentanone	8.64	43	335864	104.984	ug/l	99
52) Toluene	8.78	92	118401	19.637	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	59352	17.413	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	66941	18.073	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	50031	20.119	ug/l	99
56) Ethyl methacrylate	9.18	69	73652	19.552	ug/l	99
57) 1,3-Dichloropropane	9.37	76	77265	20.016	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	170885	95.516	ug/l	99
59) 2-Hexanone	9.49	43	259908	103.225	ug/l	99
60) Dibromochloromethane	9.58	129	51336	18.438	ug/l	99
61) 1,2-Dibromoethane	9.67	107	52690	19.630	ug/l	100
64) Tetrachloroethene	9.34	164	55835	20.729	ug/l	99
65) Chlorobenzene	10.14	112	133804	19.791	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	48368	19.640	ug/l	98
67) Ethyl Benzene	10.25	91	226591	19.852	ug/l	99
68) m/p-Xylenes	10.36	106	176042	39.805	ug/l	99
69) o-Xylene	10.69	106	86826	19.963	ug/l	98
70) Styrene	10.71	104	145598	19.962	ug/l	99
71) Bromoform	10.85	173	38137	17.808	ug/l #	99
73) Isopropylbenzene	11.02	105	226727	19.486	ug/l	99
74) N-amyl acetate	10.90	43	88456	20.116	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	77080	20.003	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	63603m	20.335	ug/l	
77) Bromobenzene	11.26	156	63640	19.588	ug/l	98
78) n-propylbenzene	11.36	91	247316	19.340	ug/l	100
79) 2-Chlorotoluene	11.42	91	146989	19.303	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	187715	19.570	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	19589	14.611	ug/l	91
82) 4-Chlorotoluene	11.51	91	168024	19.391	ug/l	98
83) tert-Butylbenzene	11.77	119	186598	19.382	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	191432	19.864	ug/l	100
85) sec-Butylbenzene	11.94	105	219333	19.403	ug/l	99
86) p-Isopropyltoluene	12.06	119	200159	19.144	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	108673	19.162	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	111097	19.242	ug/l	99
89) n-Butylbenzene	12.38	91	163494	18.402	ug/l	100
90) Hexachloroethane	12.60	117	30995	17.144	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	112604	19.978	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15146	18.231	ug/l	99

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ClientSampleId :
VX0627WBS02

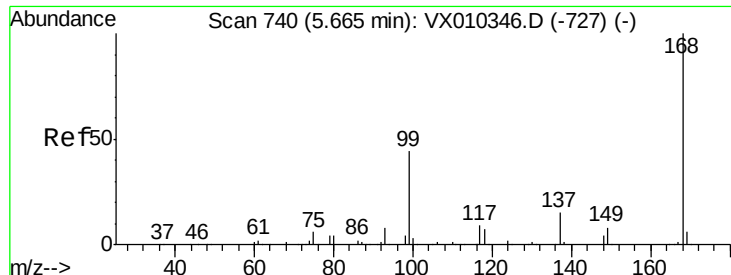
Manual Integrations
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QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	76157	19.483	ug/l	99
94) Hexachlorobutadiene	13.78	225	36269	18.985	ug/l	97
95) Naphthalene	13.83	128	240361	20.010	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	77684	19.989	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:168 Resp: 246238

Ion Ratio Lower Upper

168 100

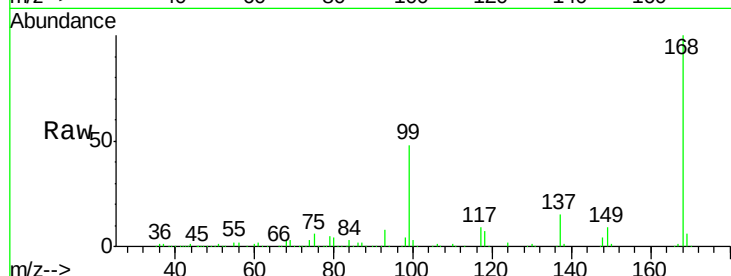
99 48.0 35.5 53.3

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

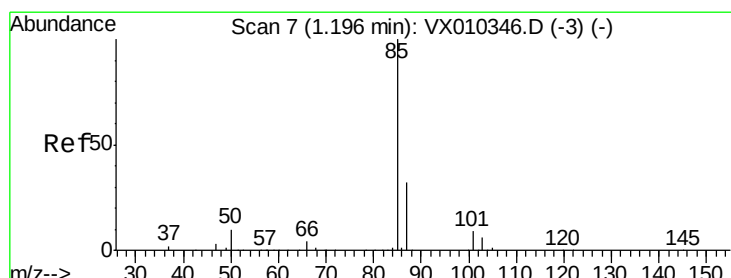
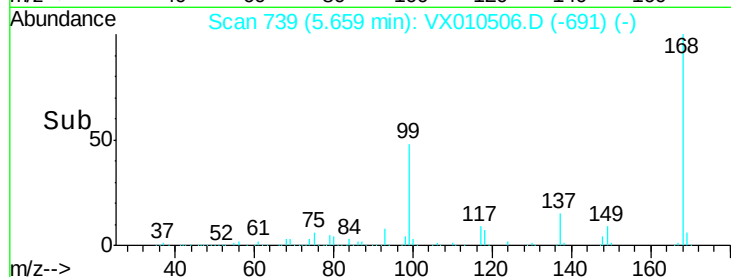
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.362 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX010506.D

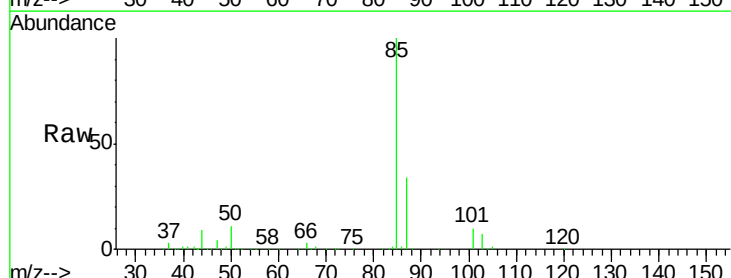
Acq: 27 Jun 2019 23:53

Tgt Ion: 85 Resp: 31434

Ion Ratio Lower Upper

85 100

87 33.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

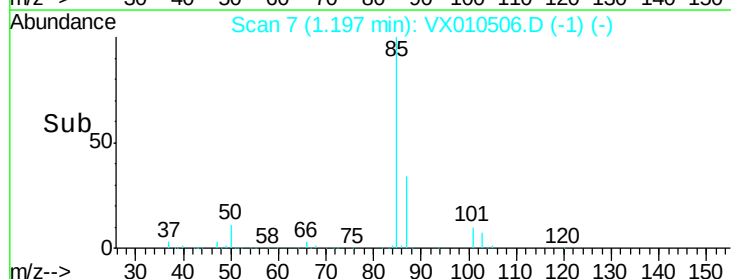
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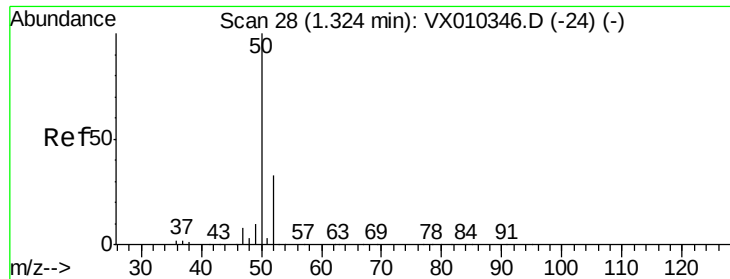
20000

10000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.528 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 50 Resp: 34941

Ion Ratio Lower Upper

50 100

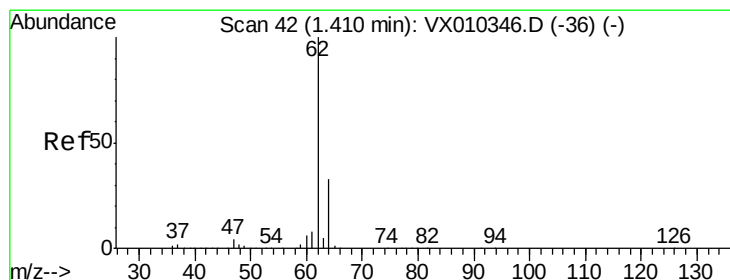
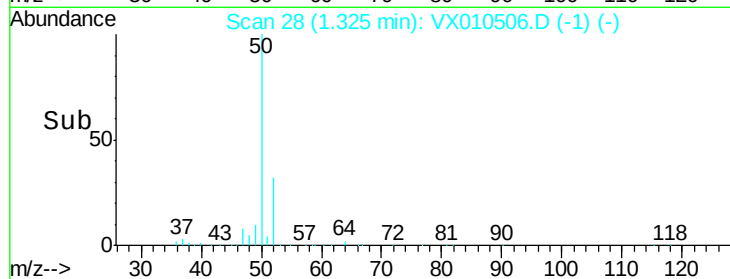
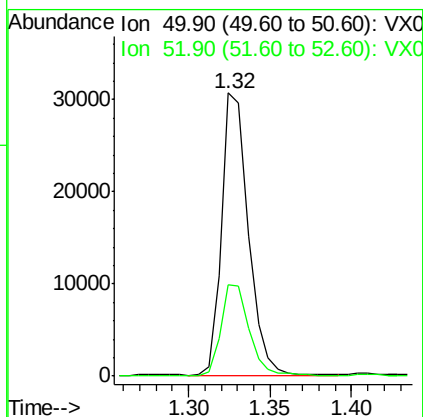
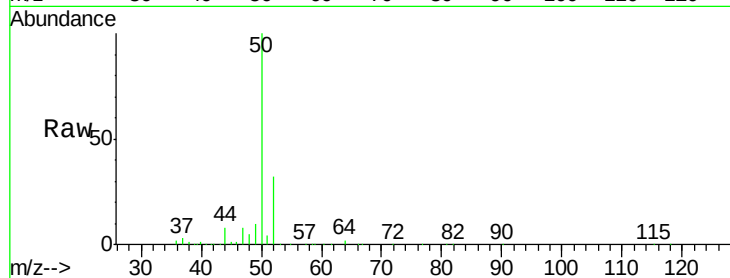
52 32.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.277 ug/l

RT: 1.41 min Scan# 42

Delta R.T. 0.00 min

Lab File: VX010506.D

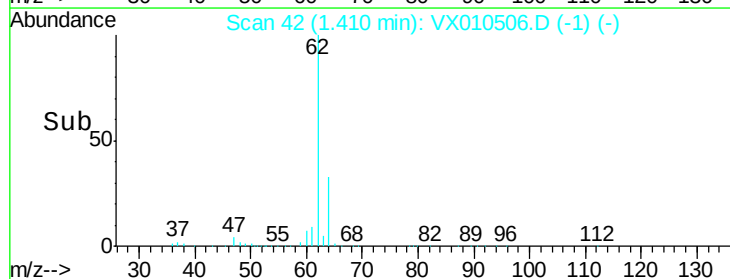
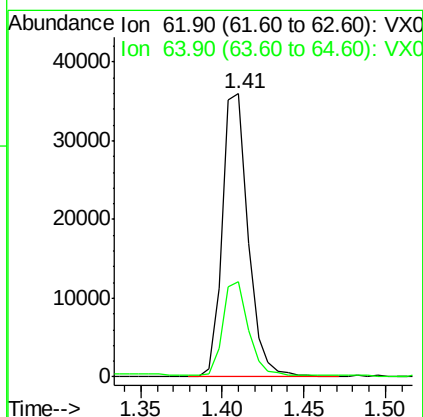
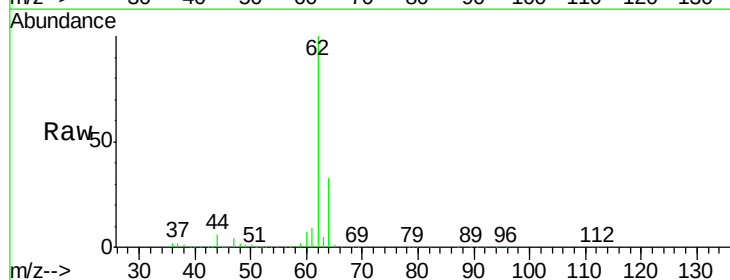
Acq: 27 Jun 2019 23:53

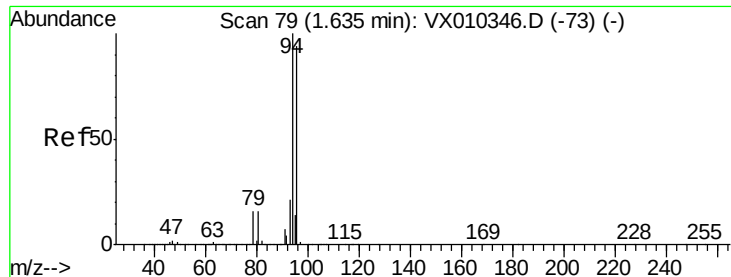
Tgt Ion: 62 Resp: 39906

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 23.252 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 94 Resp: 24733

Ion Ratio Lower Upper

94 100

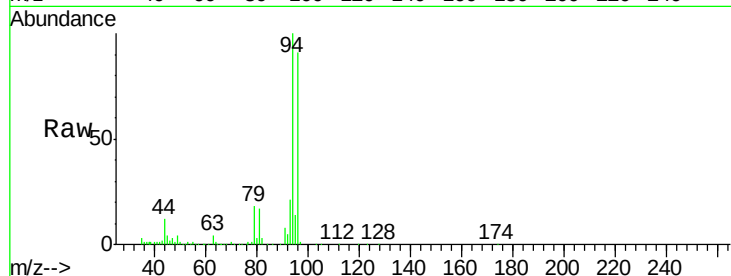
96 90.7 75.5 113.3

Manual Integrations

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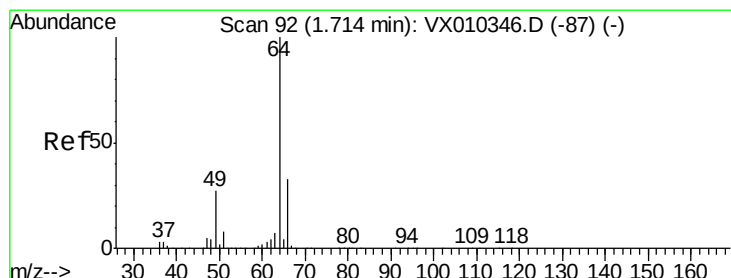
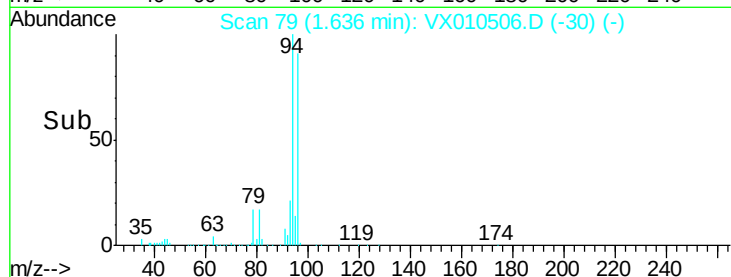
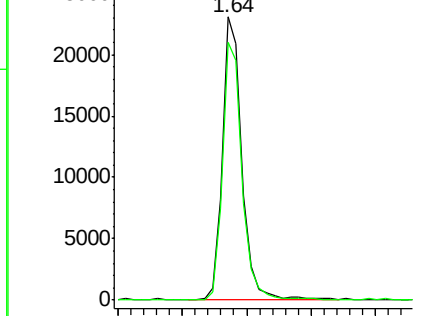
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 20.125 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX010506.D

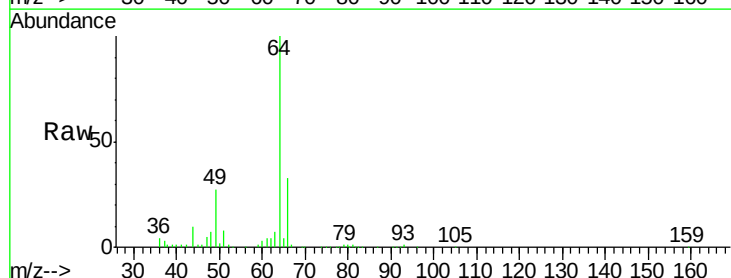
Acq: 27 Jun 2019 23:53

Tgt Ion: 64 Resp: 25924

Ion Ratio Lower Upper

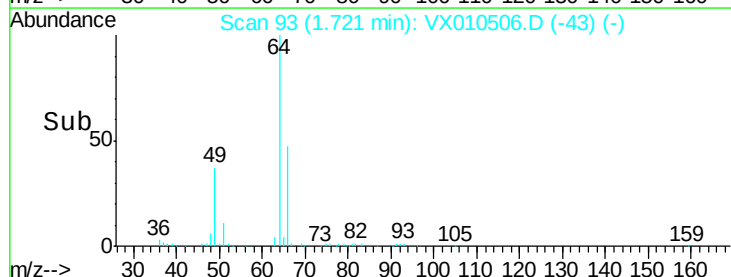
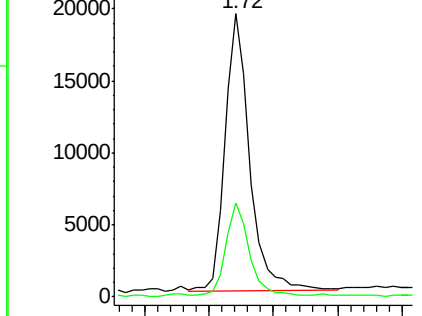
64 100

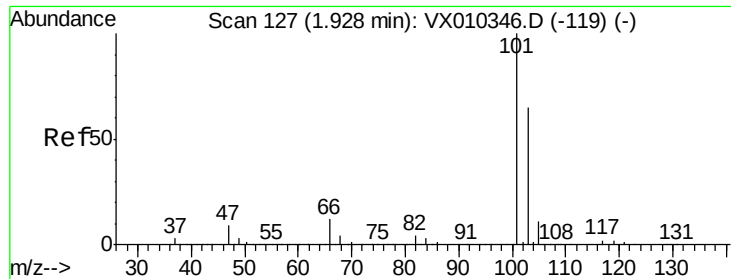
66 33.4 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

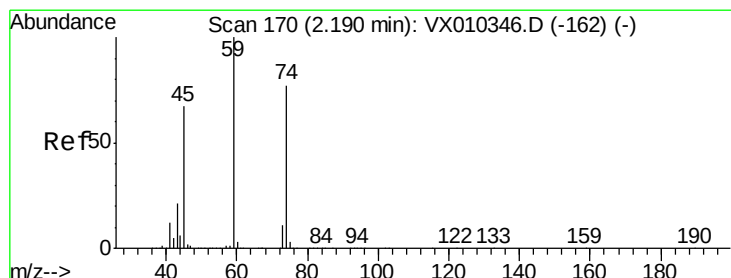
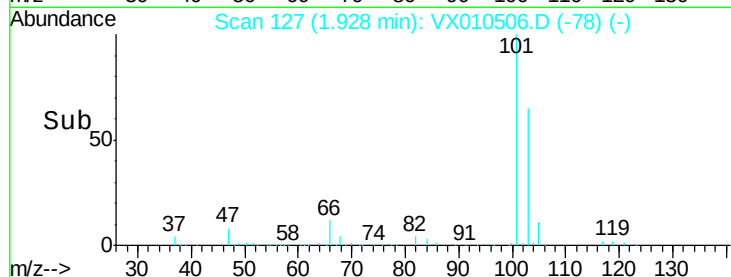
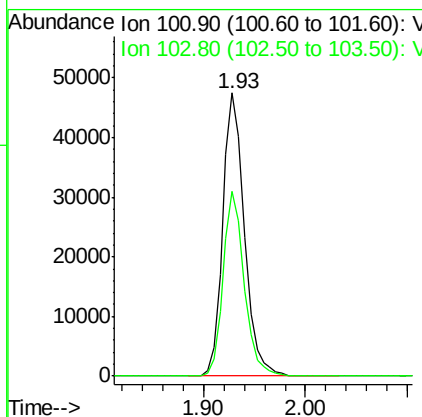
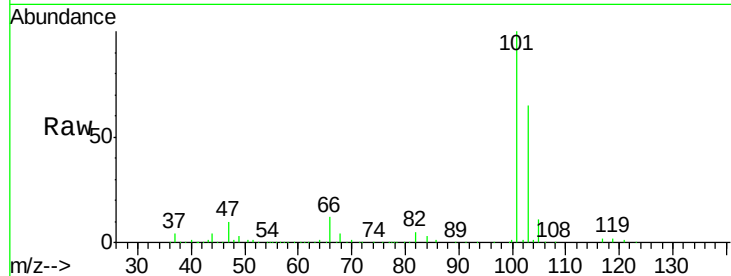
Trichlorofluoromethane
Concen: 20.245 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.3	78.5

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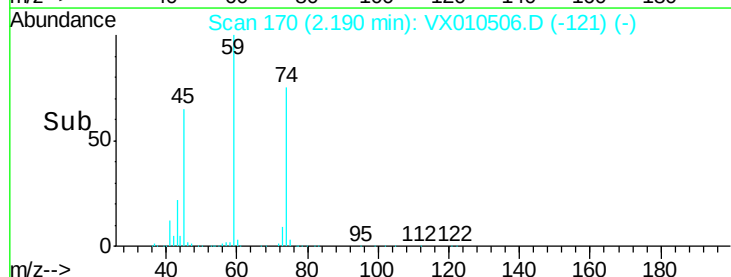
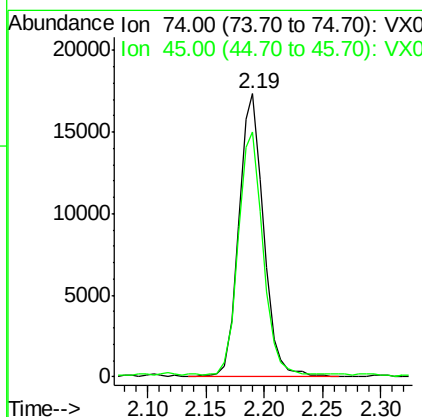
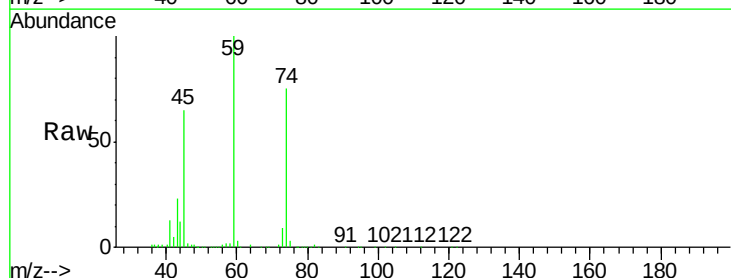
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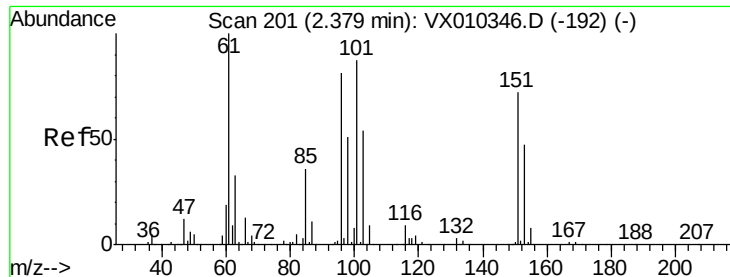


#8

Diethyl Ether
Concen: 20.788 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.8	44.8	134.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.448 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

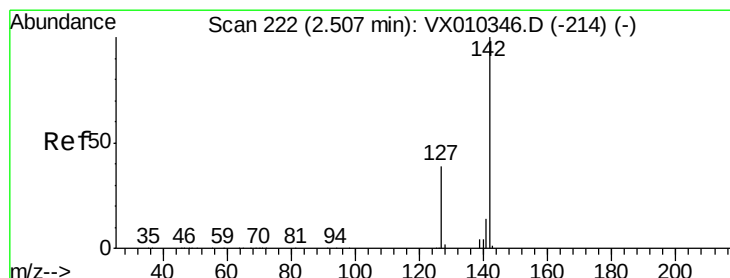
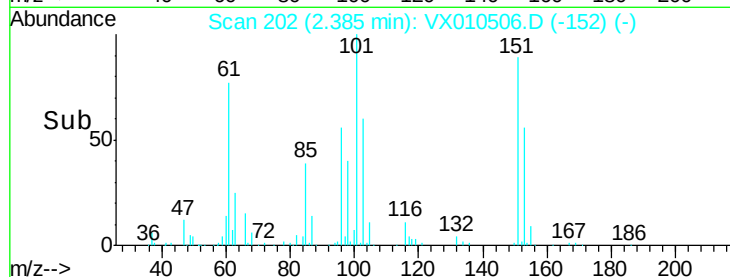
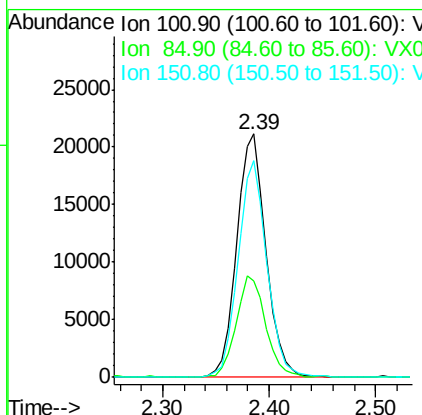
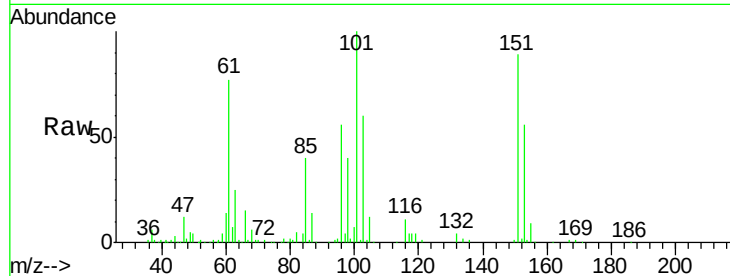
ClientSampleId :

VX0627WBS02

Tot Ion:	101	Resp:	40792
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.7	50.5
151	87.9	70.1	105.1

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#10

Methyl Iodide

Concen: 18.604 ug/l

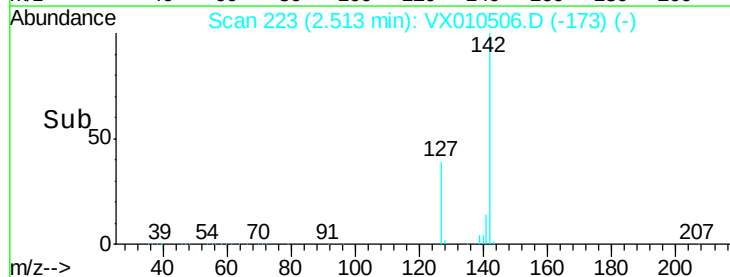
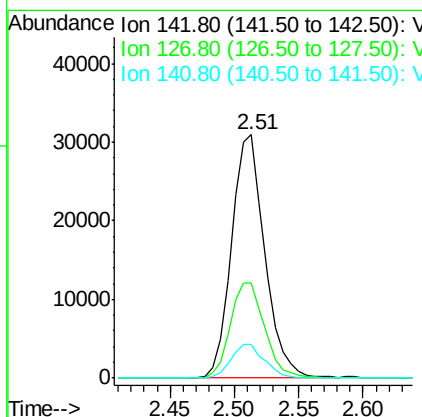
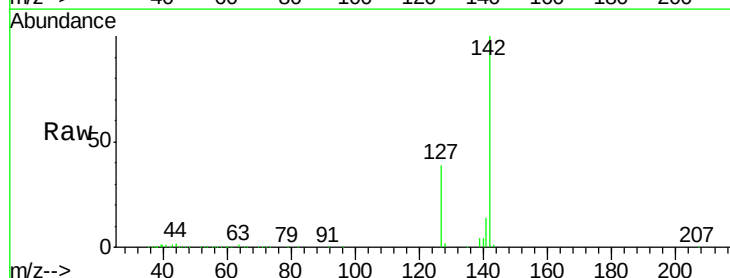
RT: 2.51 min Scan# 223

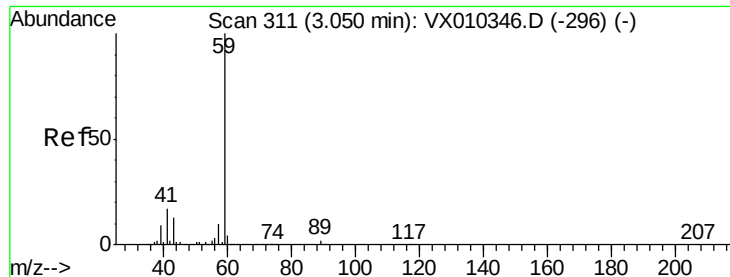
Delta R.T. 0.01 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	142	Resp:	55689
Ion Ratio	Lower	Upper	
142	100		
127	40.5	31.1	46.7
141	14.0	11.2	16.8





#11

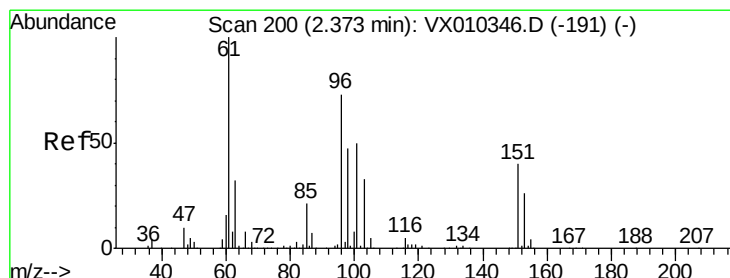
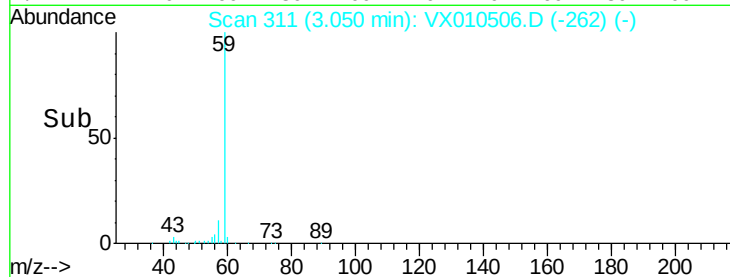
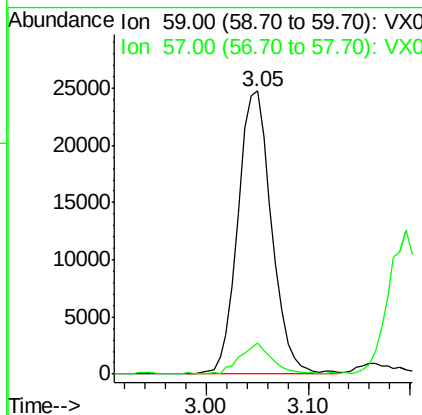
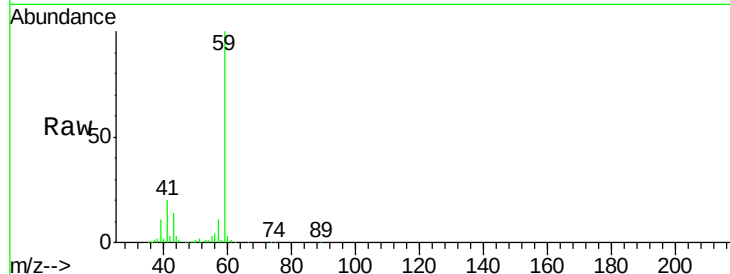
Tert butyl alcohol
Concen: 93.957 ug/l
RT: 3.05 min Scan# 311
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampled :
VX0627WBS02

Tot Ion	59	Resp	56761
Ion Ratio	100	Lower	Upper
57	10.6	7.7	11.5

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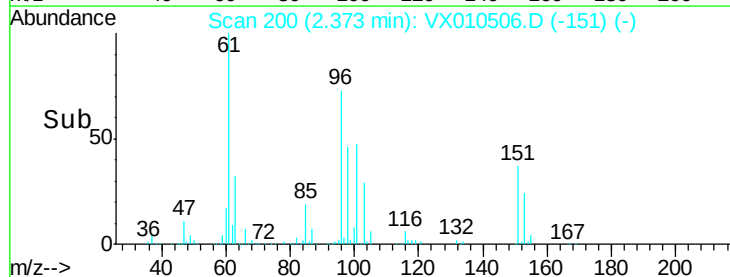
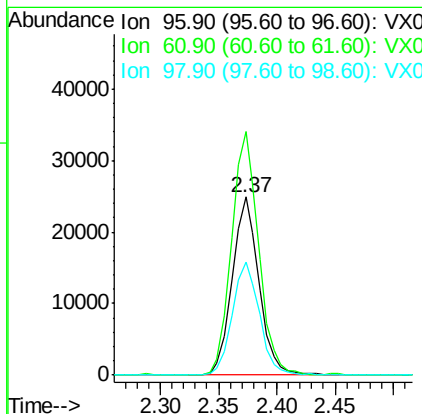
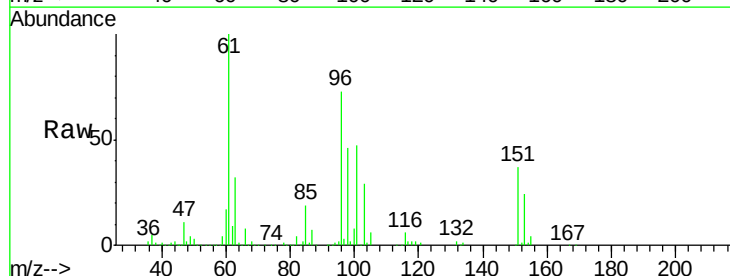
MMDadoda
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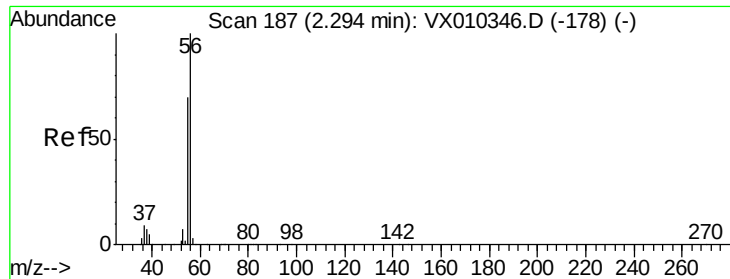


#12

1,1-Dichloroethene
Concen: 18.663 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	96	Resp	39833
Ion Ratio	100	Lower	Upper
61	136.7	109.2	163.8
98	63.7	51.1	76.7





#13

Acrolein

Concen: 69.316 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 56 Resp: 27779

Ion Ratio Lower Upper

56 100

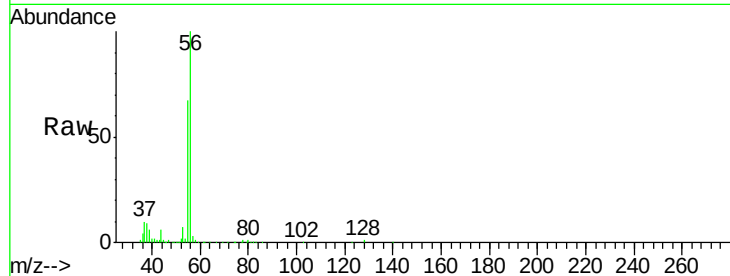
55 72.3 56.9 85.3

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

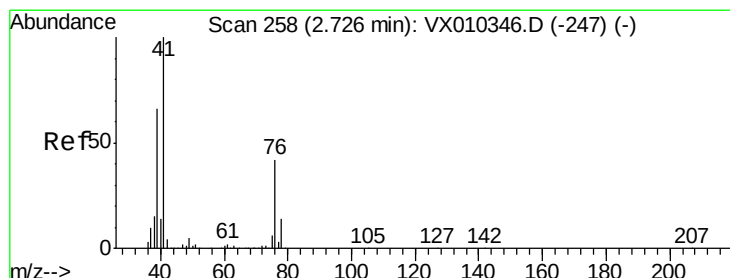
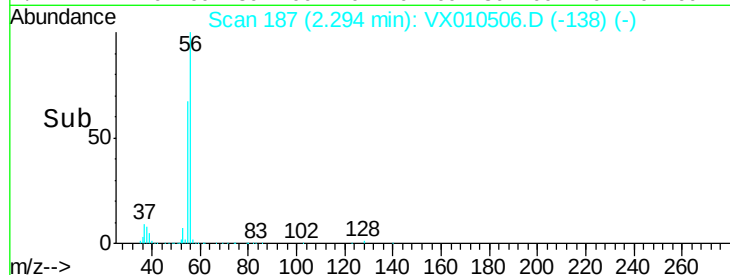
15000

10000

5000

0

Time--> 2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 18.833 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

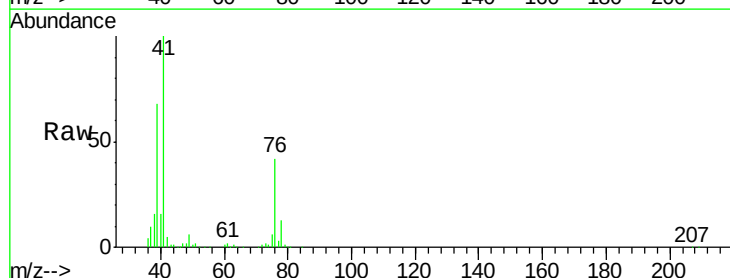
Tgt Ion: 41 Resp: 57066

Ion Ratio Lower Upper

41 100

39 63.4 50.3 75.5

76 38.1 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

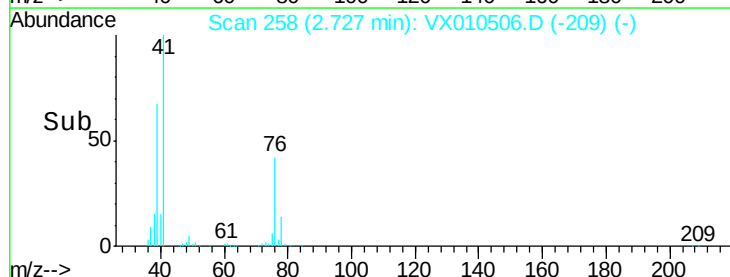
30000

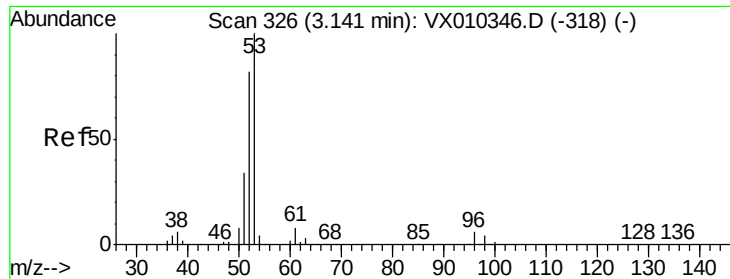
20000

10000

0

Time--> 2.60 2.70 2.80





#15

Acrylonitrile

Concen: 105.387 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

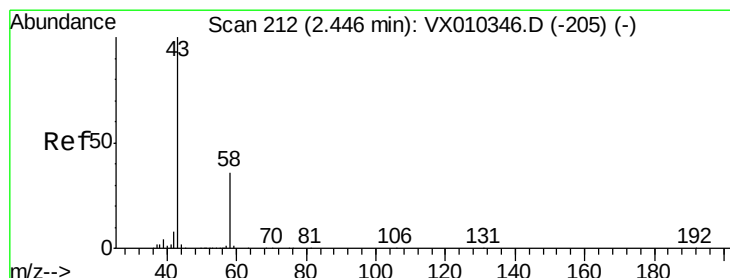
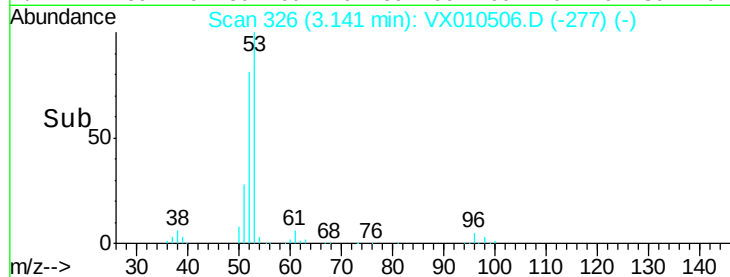
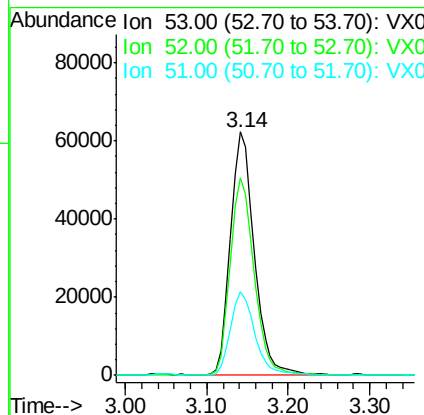
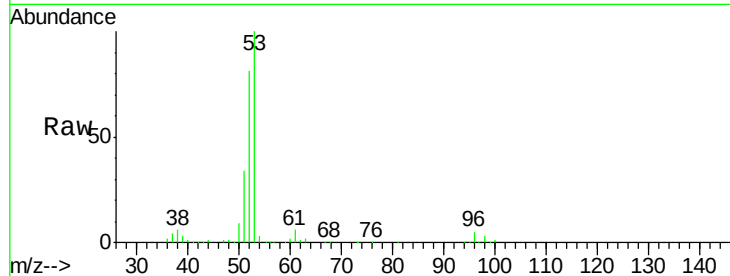
ClientSampleId :

VX0627WBS02

Tot Ion:	53	Resp:	126052
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.5	98.3
51	35.6	28.2	42.4

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#16

Acetone

Concen: 88.585 ug/l

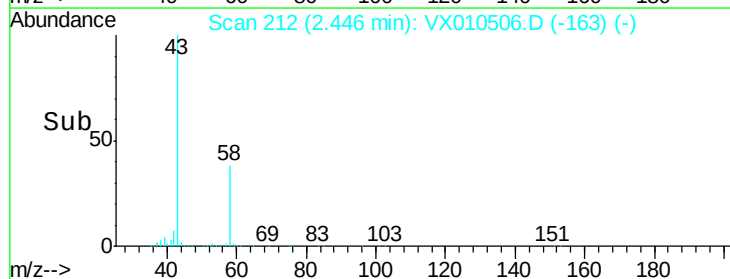
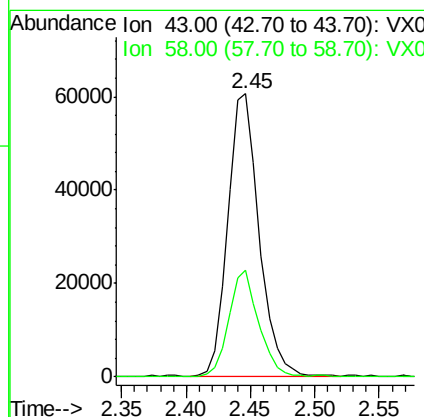
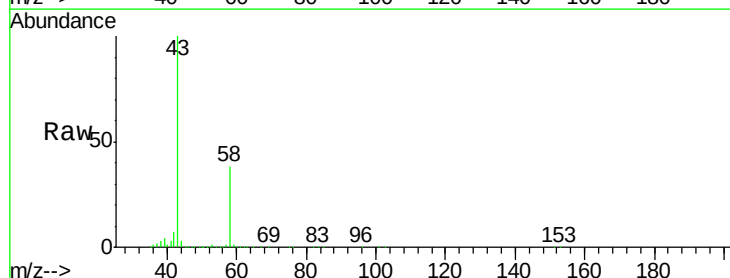
RT: 2.45 min Scan# 212

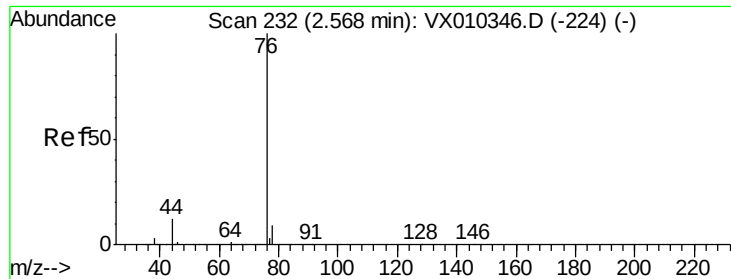
Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	43	Resp:	102499
Ion Ratio	Lower	Upper	
43	100		
58	37.7	28.9	43.3





#17

Carbon Disulfide

Concen: 16.054 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 76 Resp: 91927

Ion Ratio Lower Upper

76 100

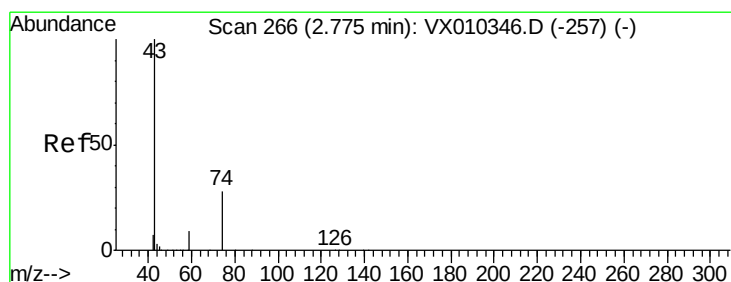
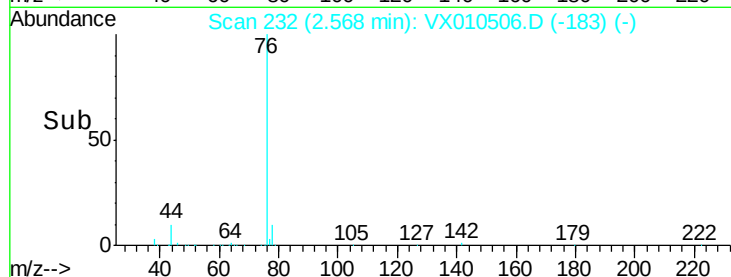
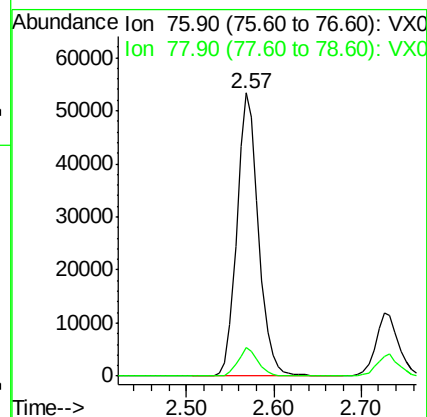
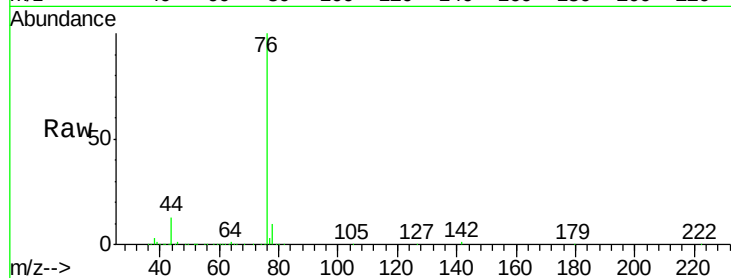
78 10.0 7.3 10.9

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#18

Methyl Acetate

Concen: 21.404 ug/l

RT: 2.78 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX010506.D

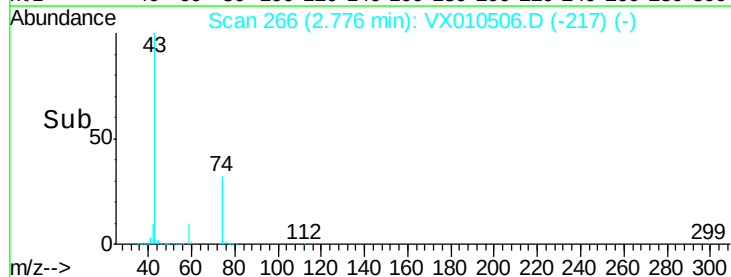
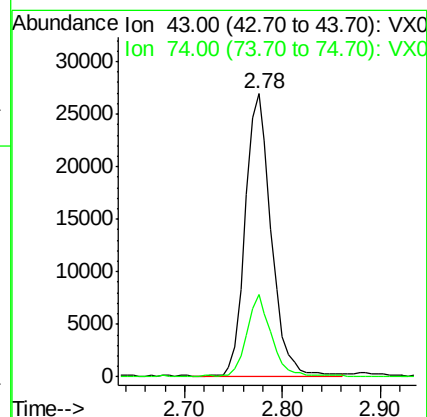
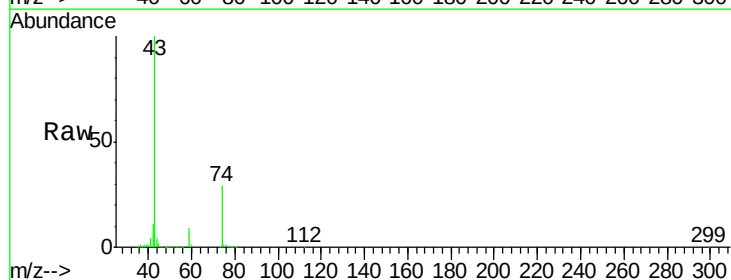
Acq: 27 Jun 2019 23:53

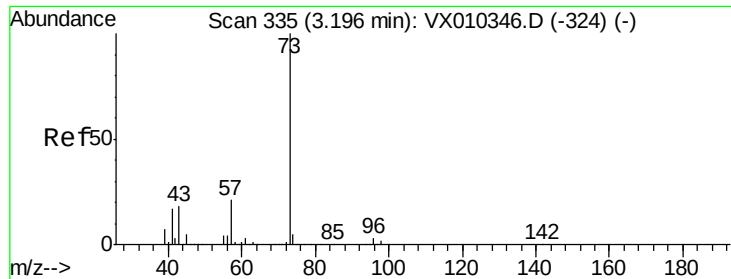
Tgt Ion: 43 Resp: 49359

Ion Ratio Lower Upper

43 100

74 26.0 21.3 31.9





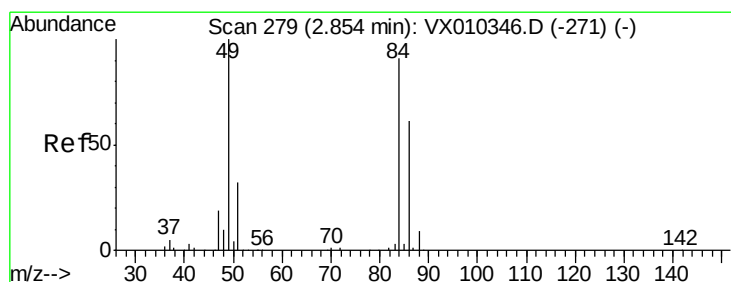
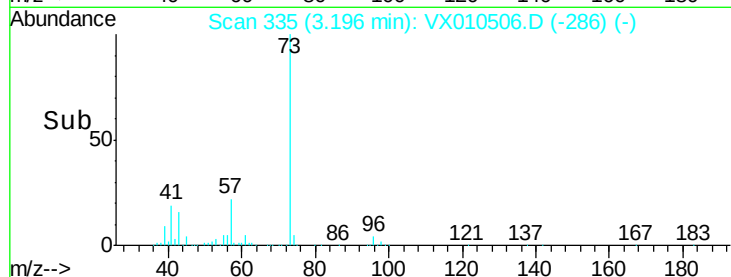
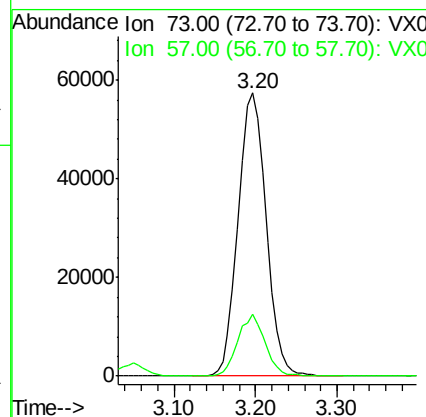
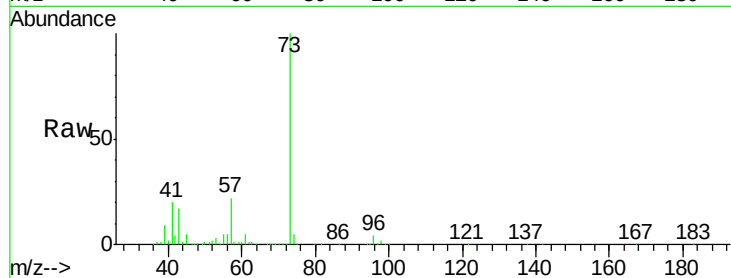
#19
Methyl tert-butyl Ether
Concen: 20.356 ug/l
RT: 3.20 min Scan# 335
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	16.4	24.6

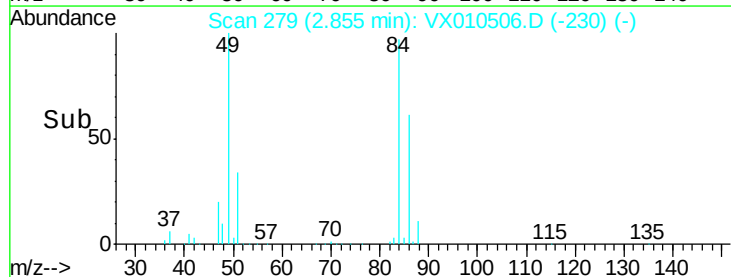
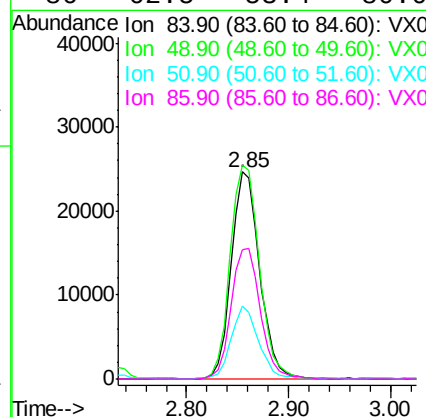
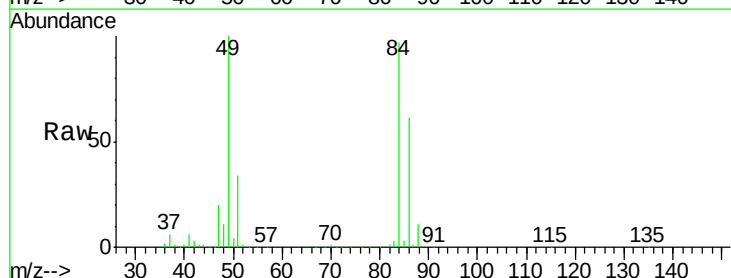
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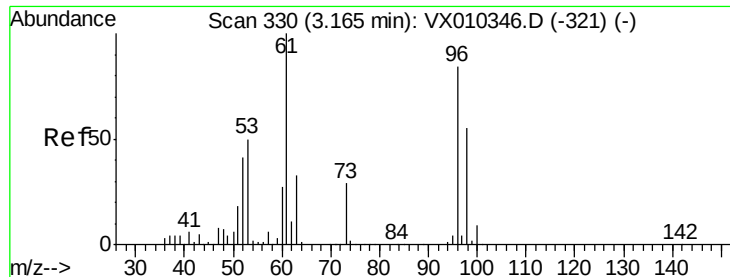
MMDadoda
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#20
Methylene Chloride
Concen: 19.848 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.0	87.5	131.3
51	34.7	27.7	41.5
86	62.5	53.4	80.0





#21

trans-1,2-Dichloroethene

Concen: 19.259 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

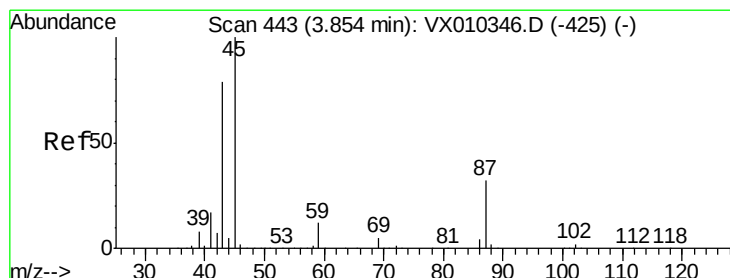
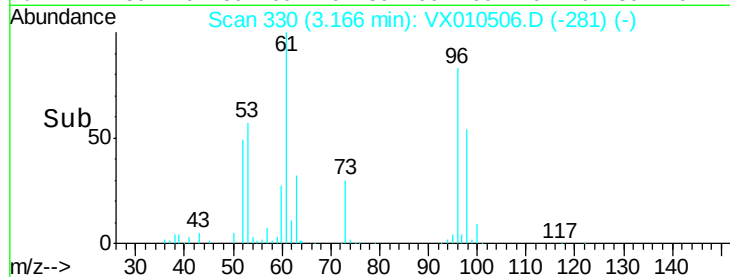
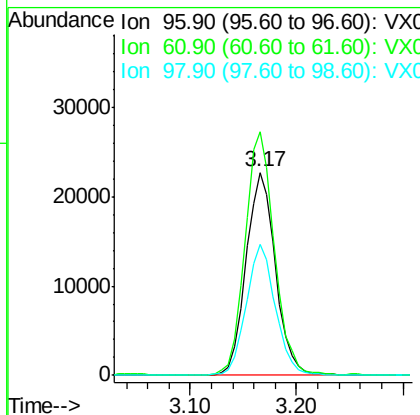
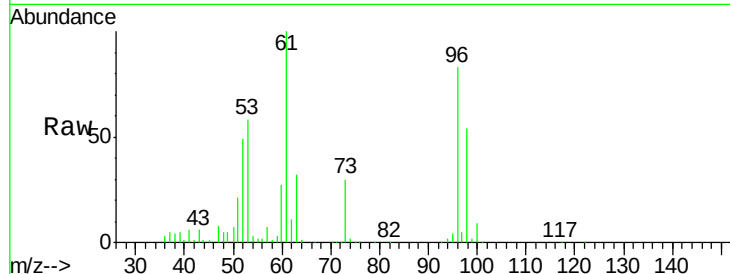
ClientSampleId :

VX0627WBS02

Tot Ion:	96	Resp:	44210
Ion	Ratio	Lower	Upper
96	100		
61	120.0	95.6	143.4
98	64.6	52.5	78.7

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#22

Diisopropyl ether

Concen: 19.977 ug/l

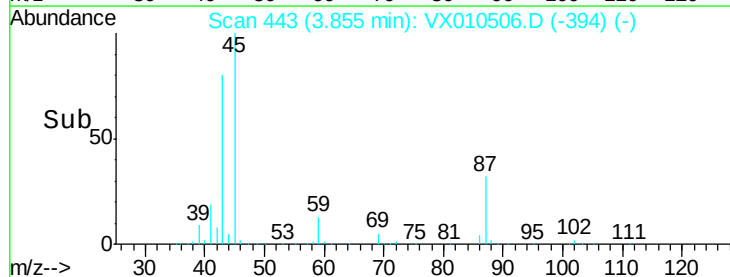
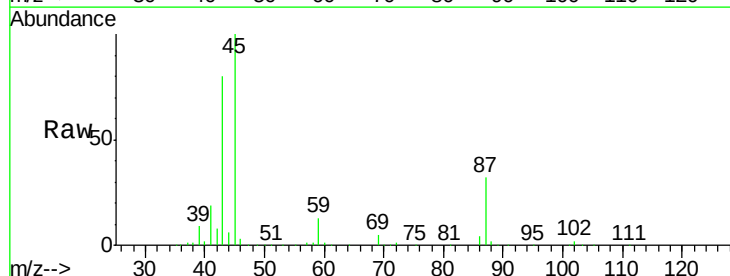
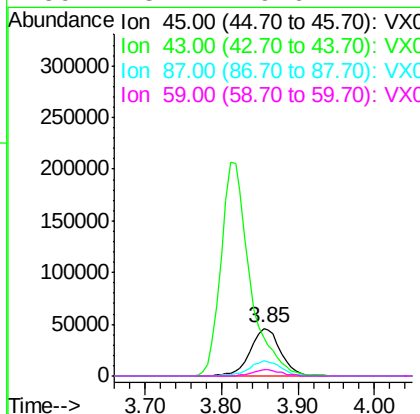
RT: 3.85 min Scan# 443

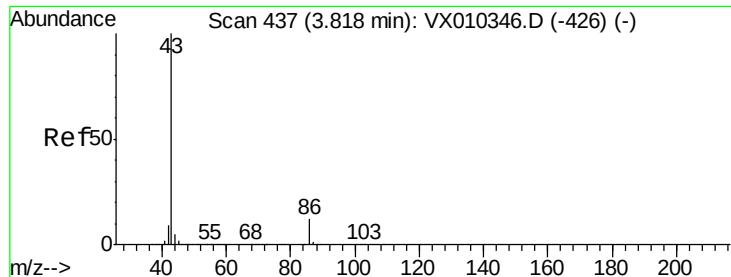
Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	45	Resp:	126559
Ion	Ratio	Lower	Upper
45	100		
43	80.1	63.3	94.9
87	32.0	25.8	38.8
59	13.2	9.6	14.4





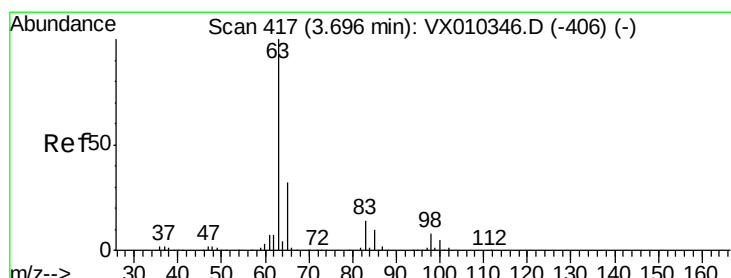
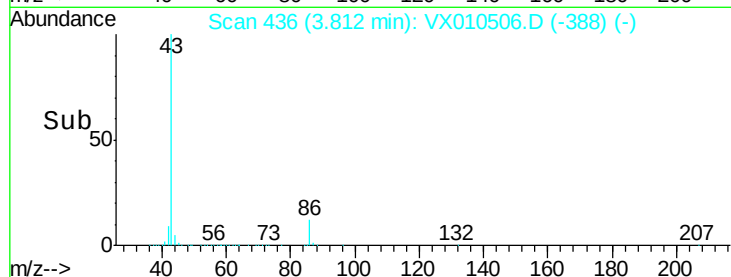
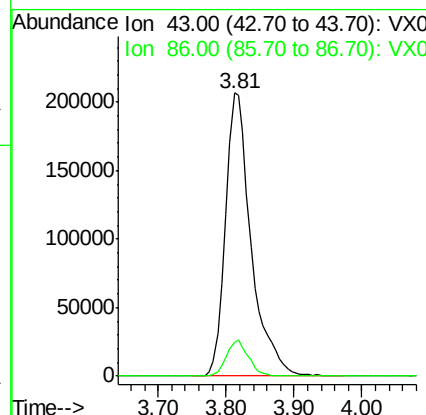
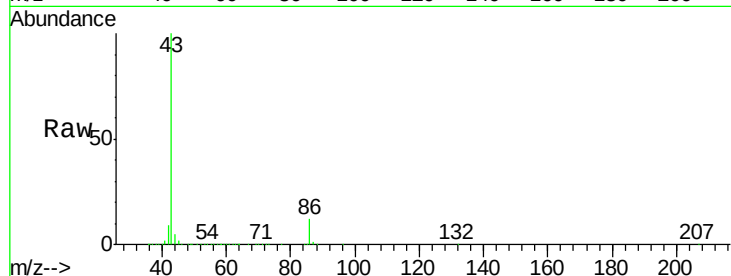
#23
 Vinyl Acetate
 Concen: 98.822 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.01 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	43	Resp	540857
Ion Ratio	100	Lower	Upper
43	100		
86	12.0	9.9	14.9

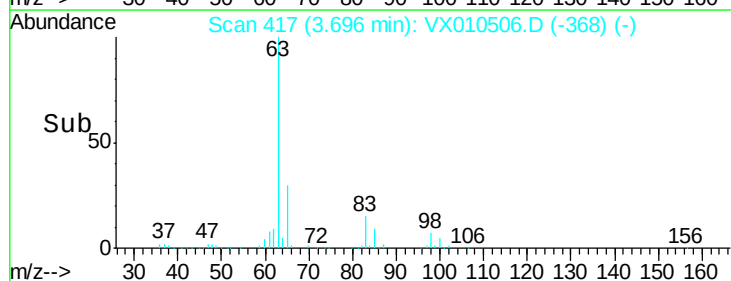
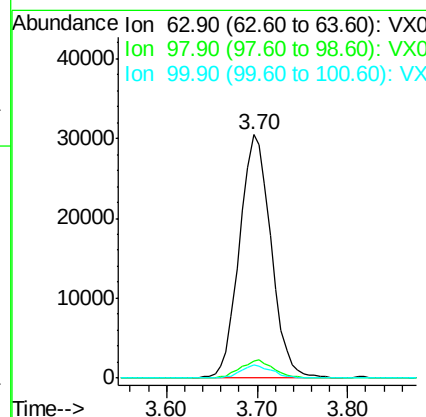
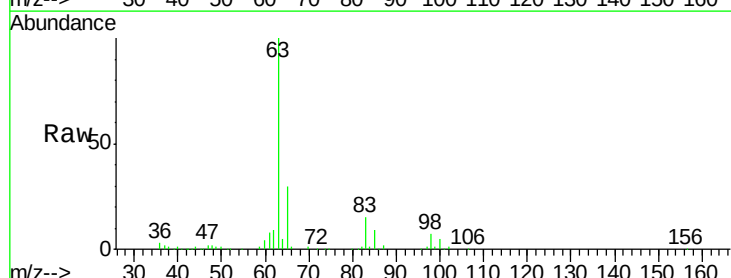
Manual Integrations
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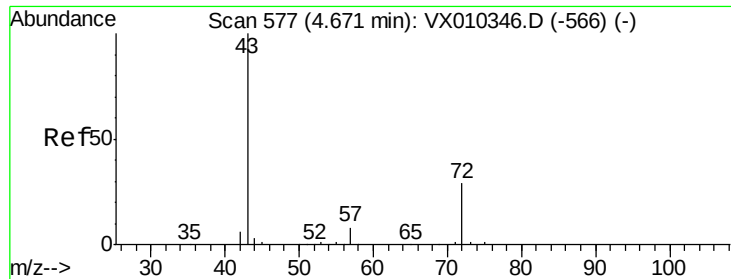
MMDadoda
 6/28/2019 10:36:36 AM



#24
 1,1-Dichloroethane
 Concen: 20.105 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Tgt Ion	63	Resp	73627
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.9	11.7
100	5.3	2.4	7.1





#25

2-Butanone

Concen: 99.949 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 43 Resp: 169640

Ion Ratio Lower Upper

43 100

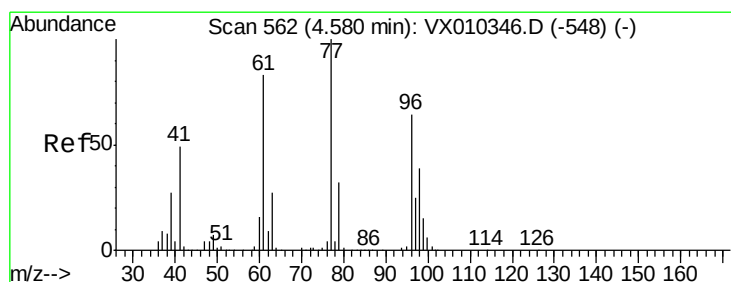
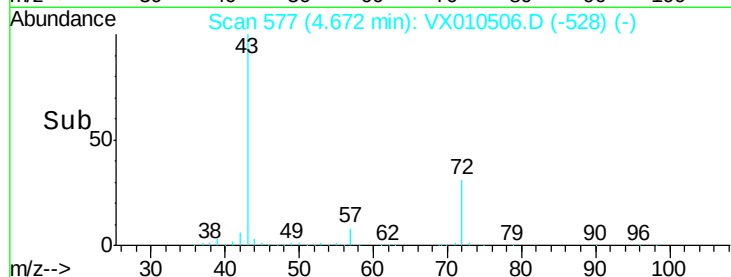
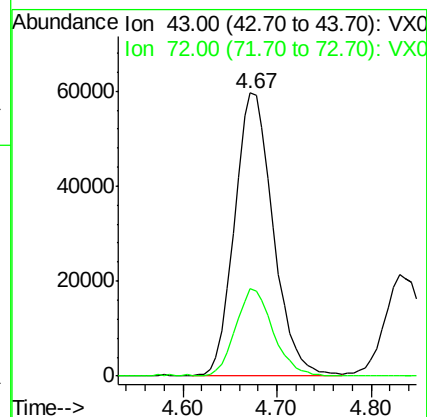
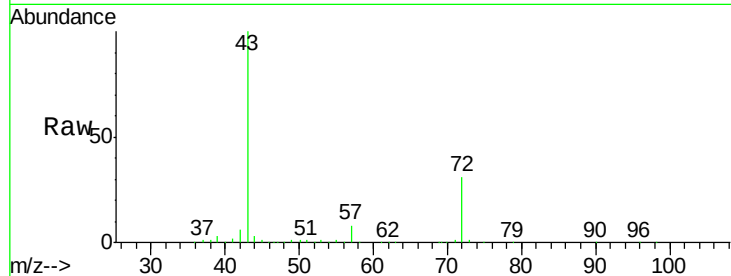
72 30.9 23.3 34.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 14.351 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX010506.D

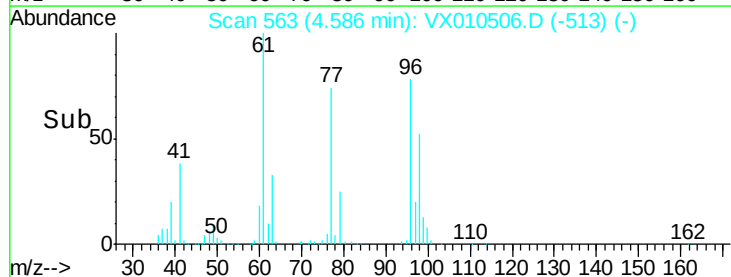
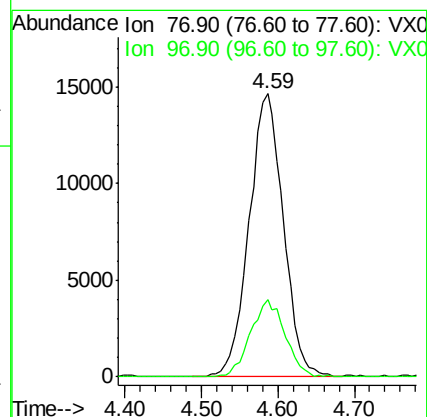
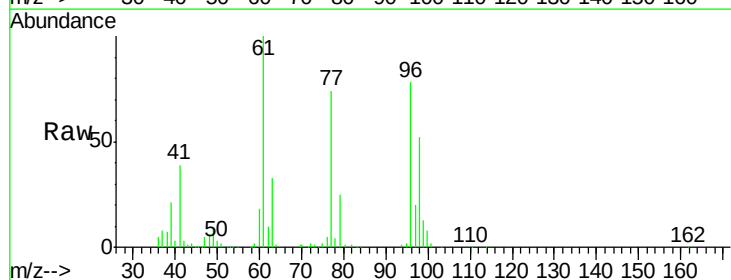
Acq: 27 Jun 2019 23:53

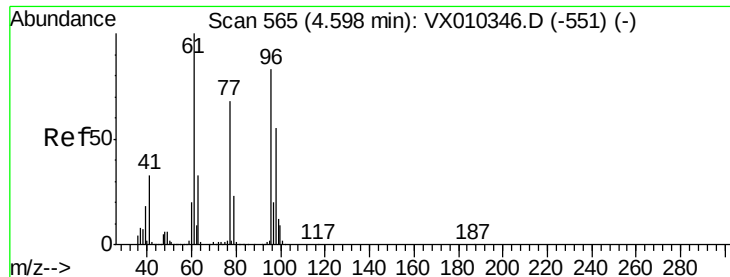
Tgt Ion: 77 Resp: 45653

Ion Ratio Lower Upper

77 100

97 27.3 13.1 39.3





#27

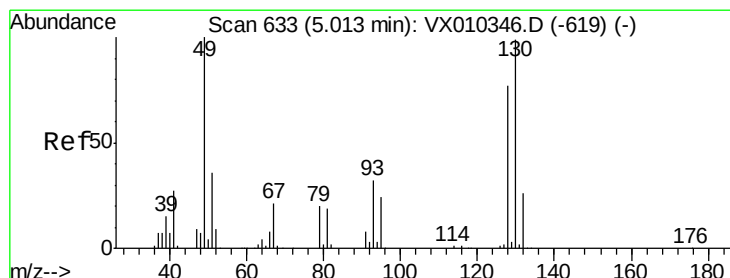
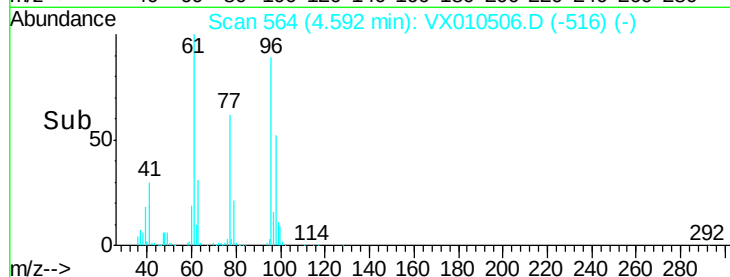
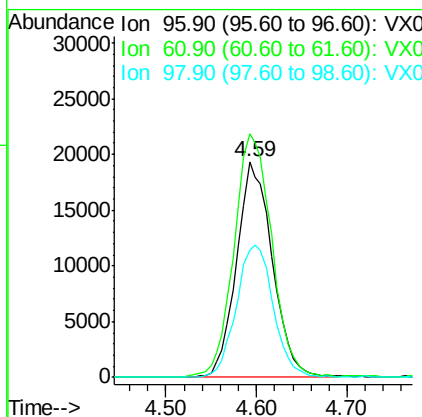
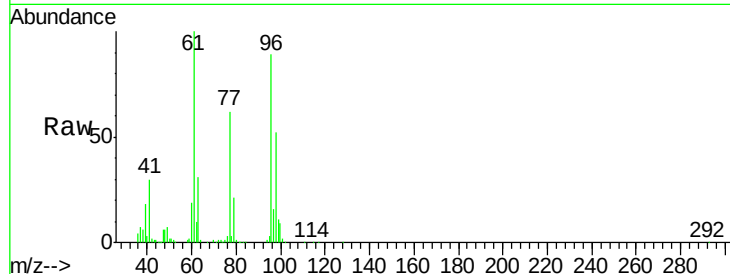
cis-1,2-Dichloroethene
Concen: 19.934 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	119.6	0.0	251.8
98	63.6	0.0	129.4

Manual Integrations
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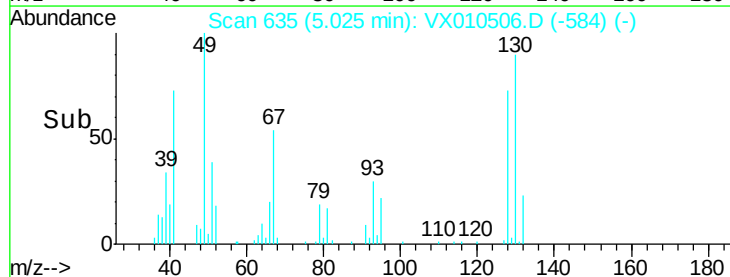
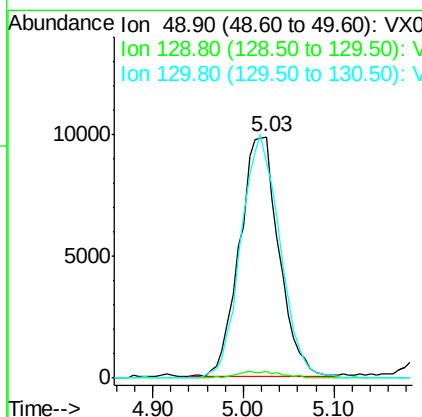
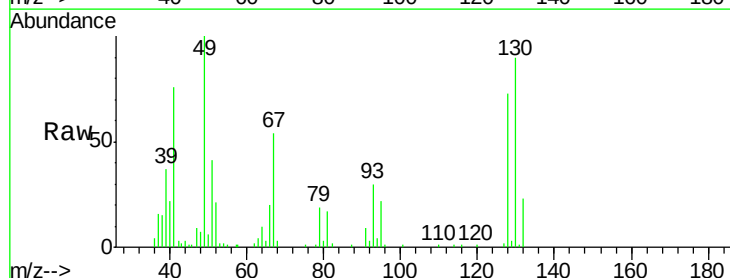
MMDadoda
6/28/2019 10:36:36 AM

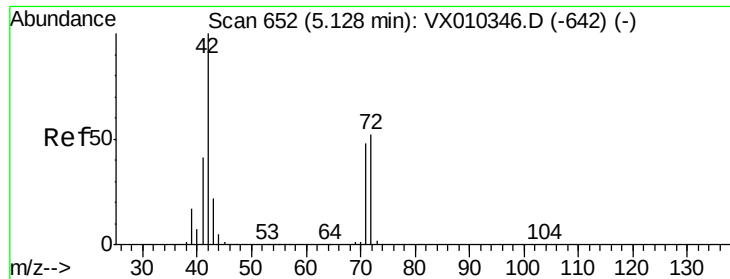


#28

Bromochloromethane
Concen: 17.008 ug/l
RT: 5.03 min Scan# 635
Delta R.T. 0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.6
130	100.4	81.4	122.0





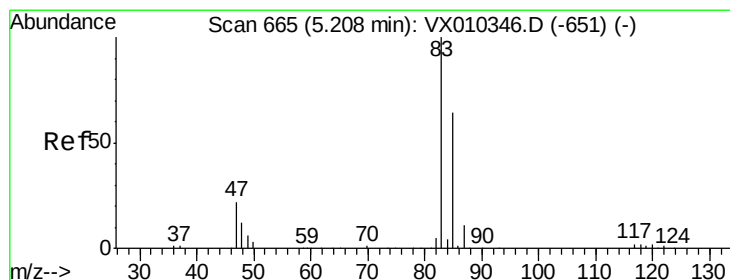
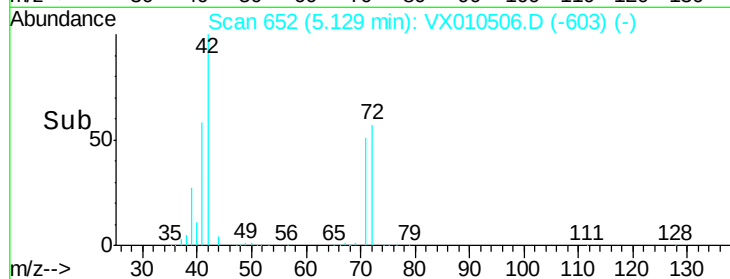
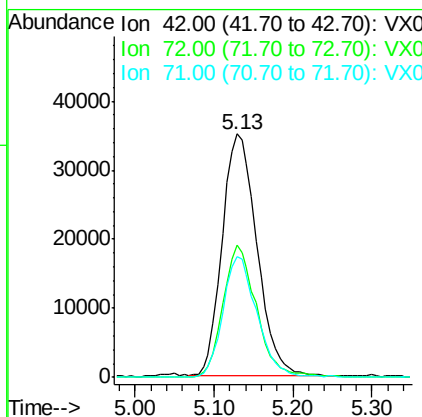
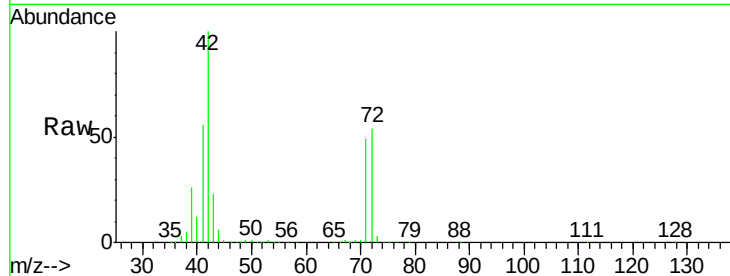
#29
Tetrahydrofuran
Concen: 102.682 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.9	40.6	60.8
71	48.8	37.8	56.8

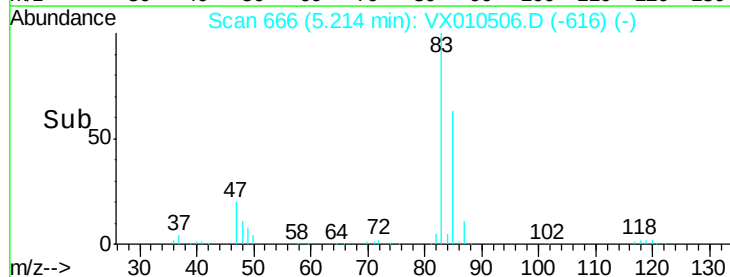
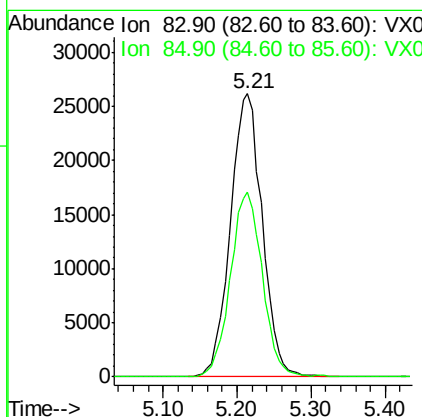
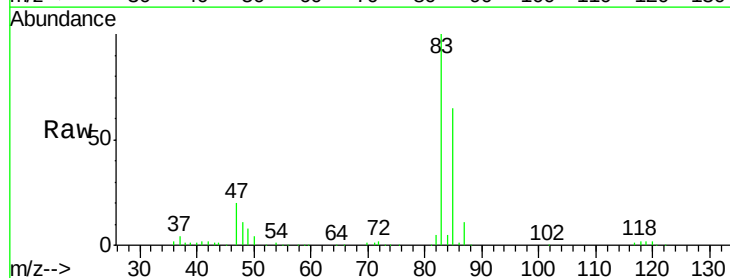
Manual Integrations
APPROVED

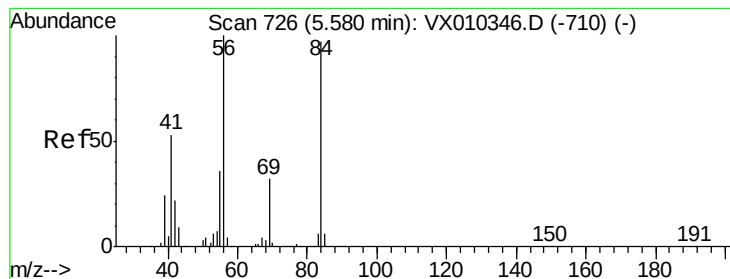
MMDadoda
6/28/2019 10:36:36 AM



#30
Chloroform
Concen: 19.918 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3





#31

Cyclohexane

Concen: 18.854 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

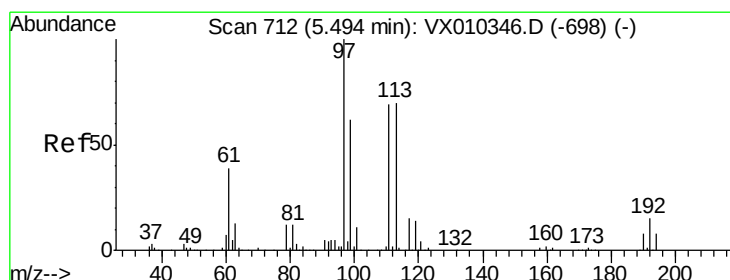
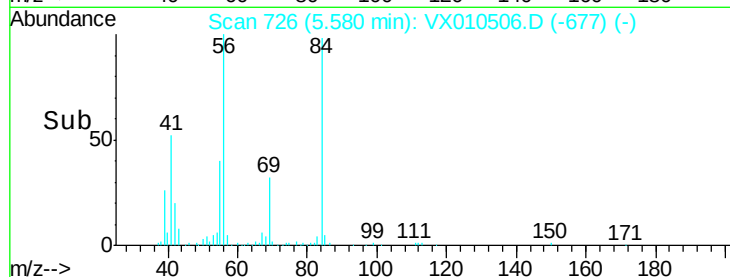
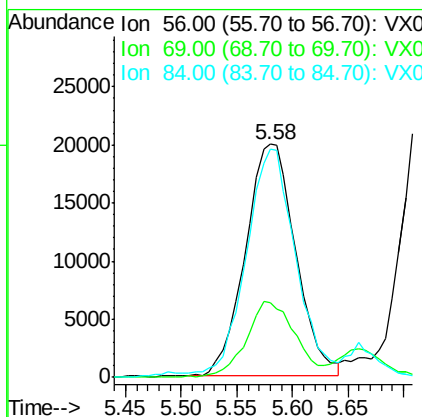
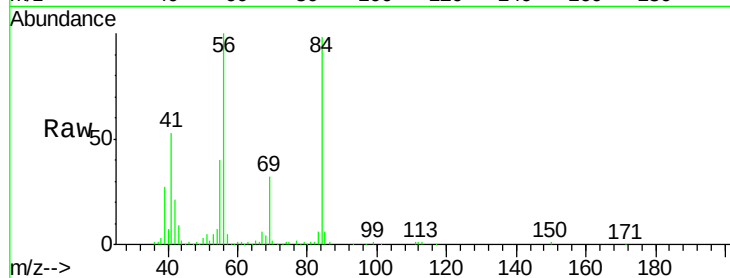
ClientSampleId :

VX0627WBS02

Tot Ion:	56	Resp:	62875
Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.9	38.9
84	96.8	78.0	117.0

Manual Integrations
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6/28/2019 10:36:36 AM



#32

1,1,1-Trichloroethane

Concen: 19.449 ug/l

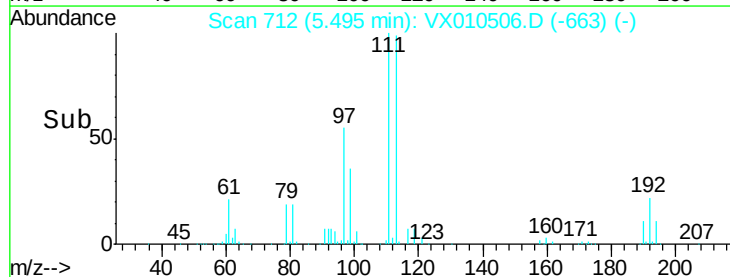
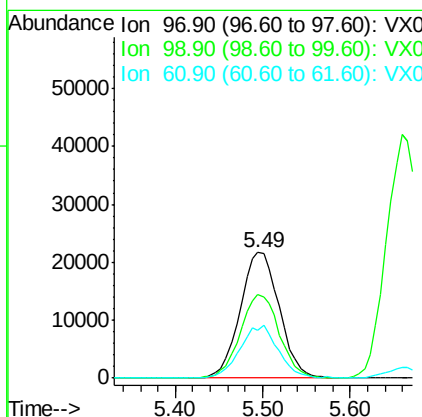
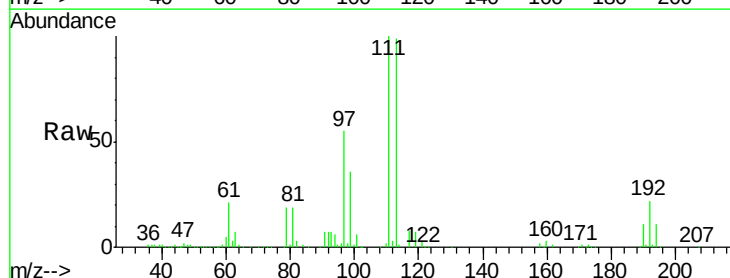
RT: 5.49 min Scan# 712

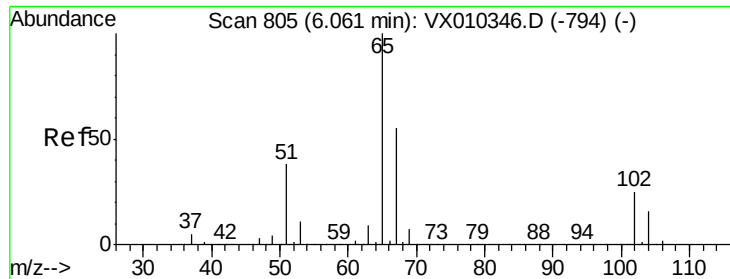
Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	97	Resp:	67667
Ion	Ratio	Lower	Upper
97	100		
99	66.1	51.8	77.8
61	41.2	32.1	48.1





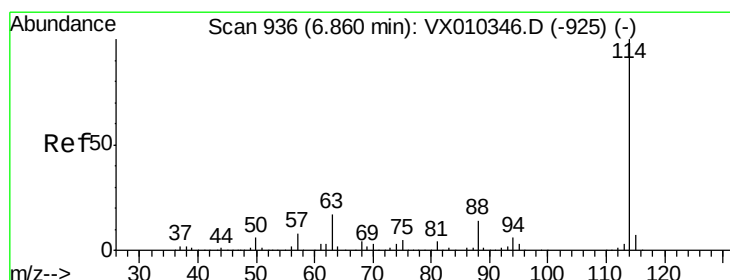
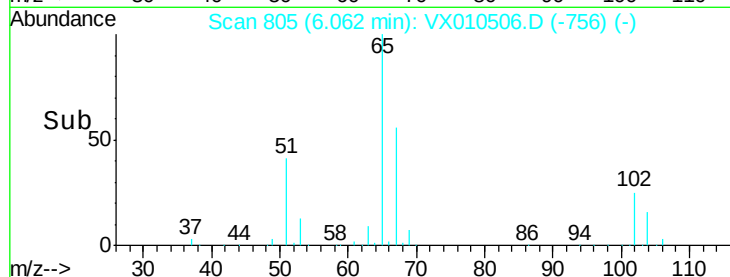
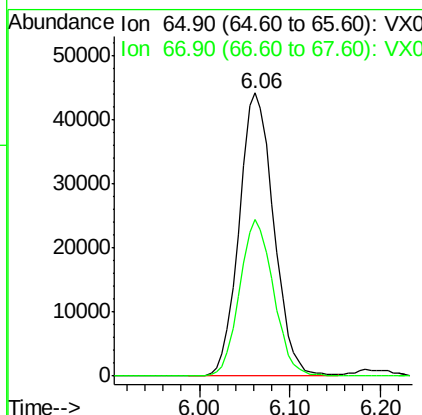
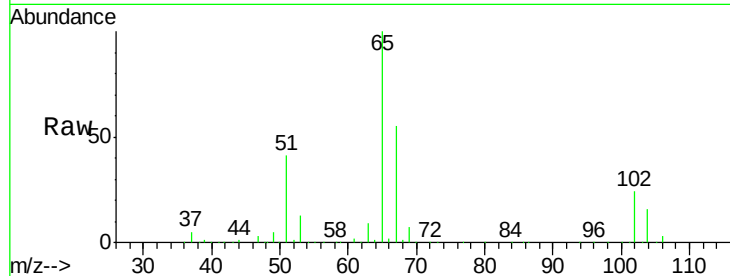
#33
 1,2-Dichloroethane-d4
 Concen: 50.566 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion: 65 Resp: 116743
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 110.2

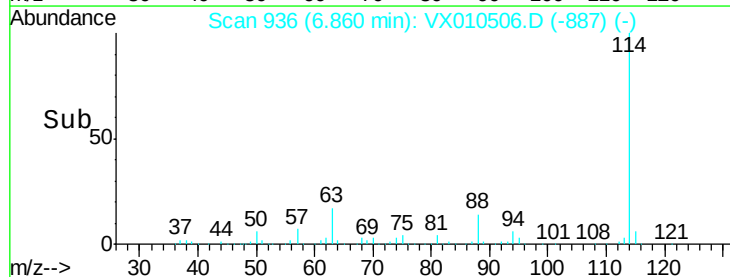
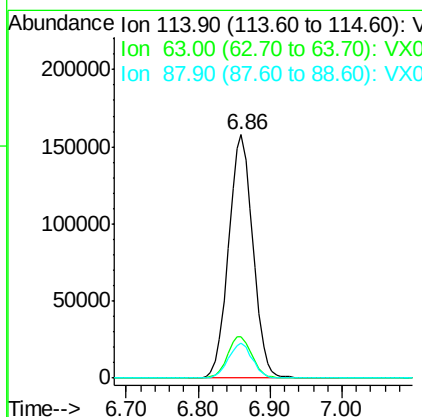
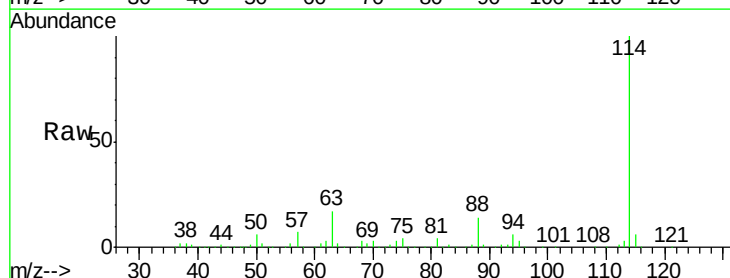
Manual Integrations
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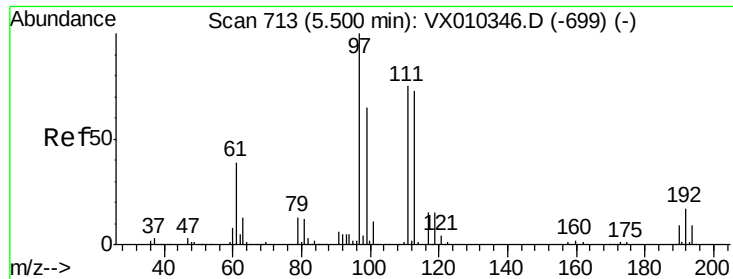
MMDadoda
 6/28/2019 10:36:36 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Tgt Ion: 114 Resp: 369830
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 33.8
 88 14.3 0.0 27.6





#35

Dibromofluoromethane

Concen: 49.969 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

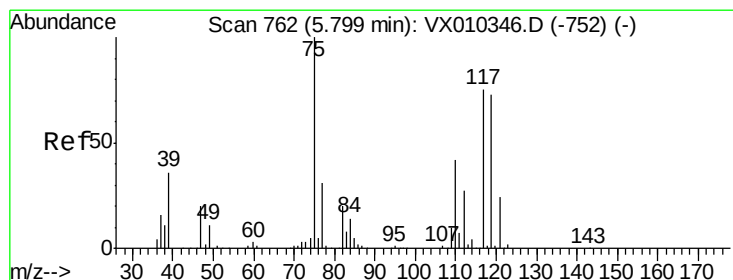
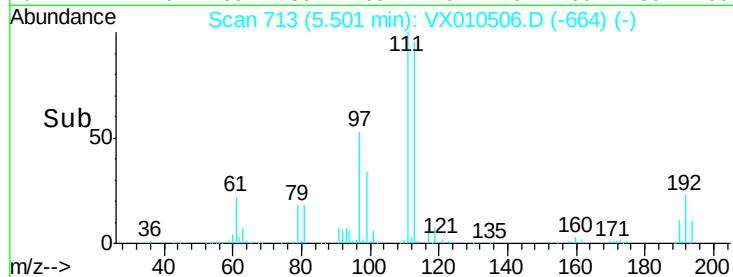
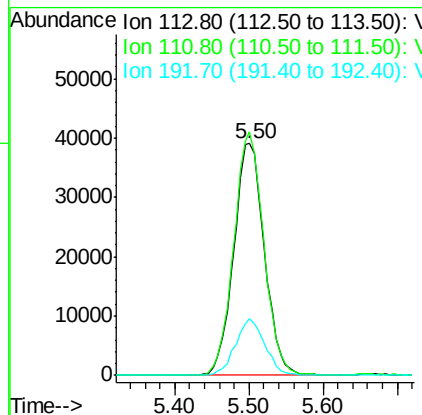
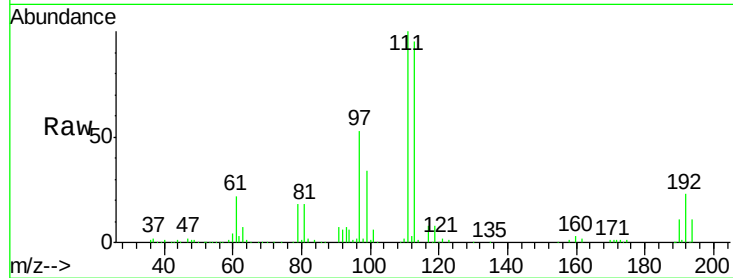
ClientSampleId :

VX0627WBS02

Tot Ion:	113	Resp:	113067
Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.2	121.8
192	23.4	18.6	27.8

Manual Integrations
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6/28/2019 10:36:36 AM



#36

1,1-Dichloropropene

Concen: 18.492 ug/l

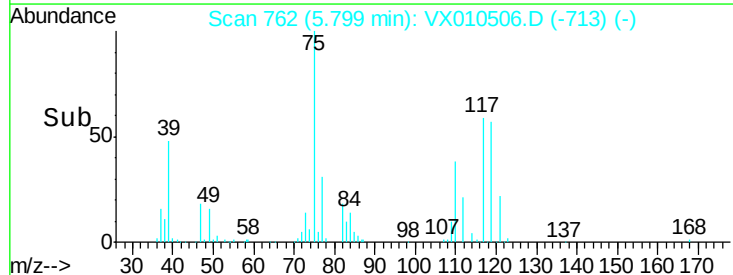
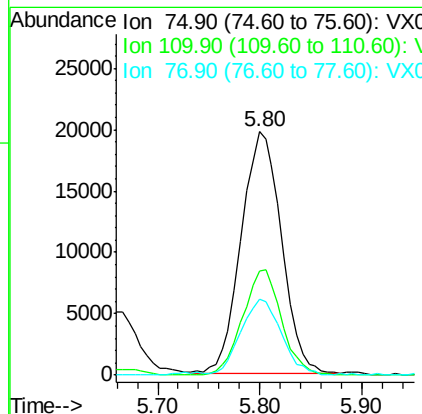
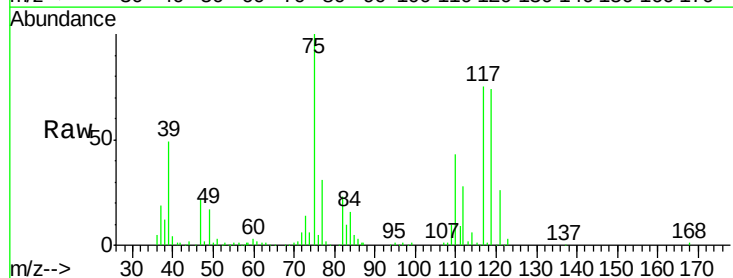
RT: 5.80 min Scan# 762

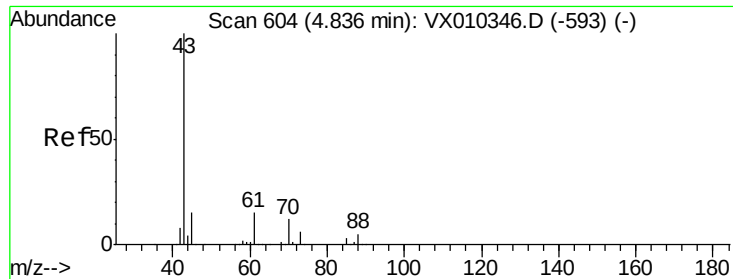
Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	75	Resp:	54347
Ion	Ratio	Lower	Upper
75	100		
110	42.0	20.8	62.2
77	31.2	25.4	38.0





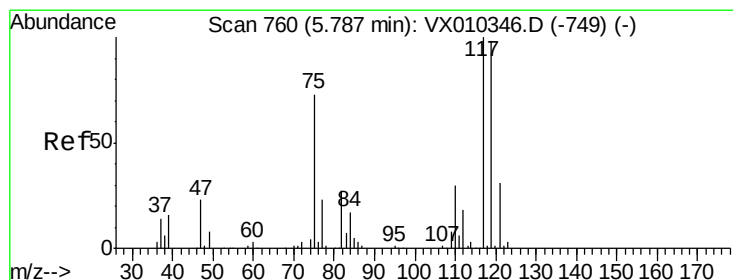
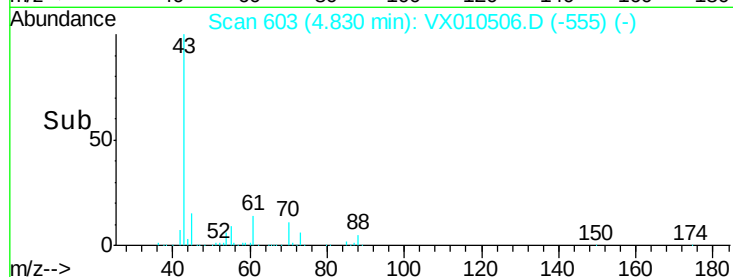
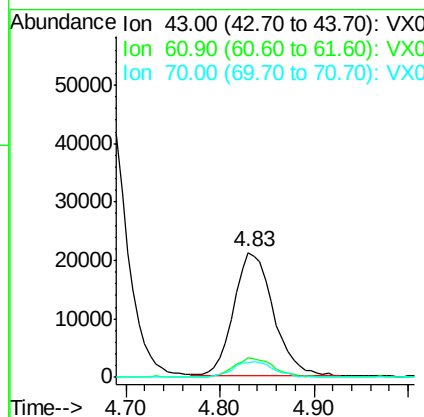
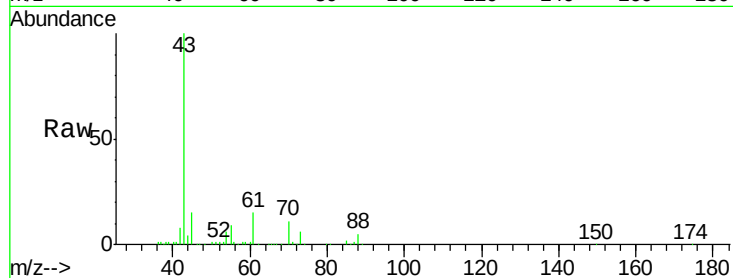
#37
Ethyl Acetate
Concen: 20.640 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampled :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.4	18.6
70	12.8	9.8	14.8

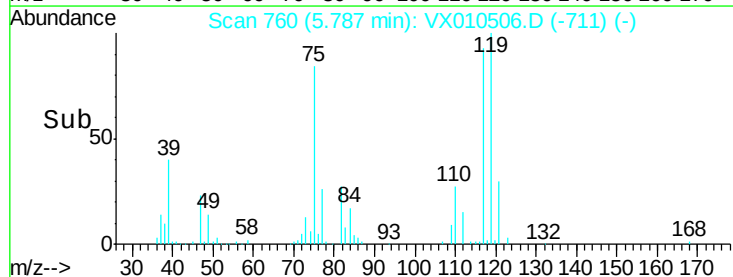
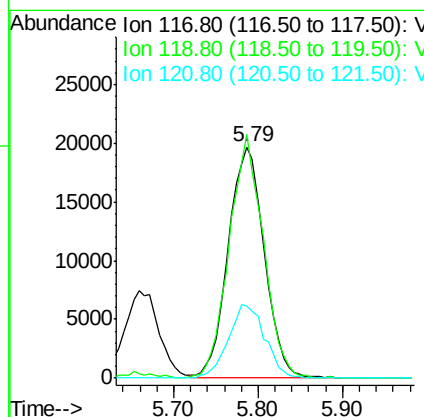
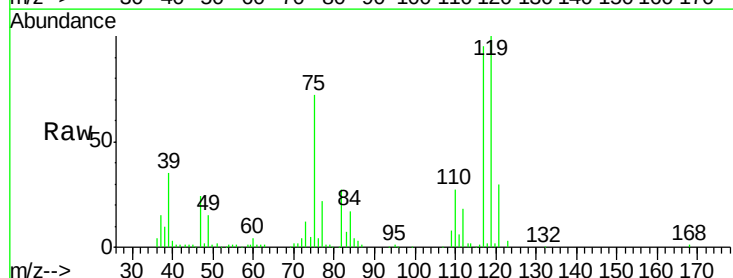
Manual Integrations
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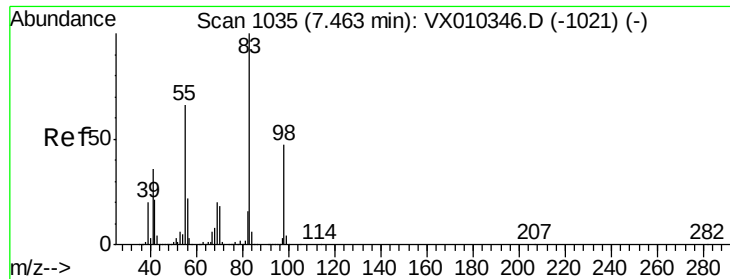
MMDadoda
6/28/2019 10:36:36 AM



#38
Carbon Tetrachloride
Concen: 17.973 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	105.5	78.2	117.4
121	31.4	24.7	37.1





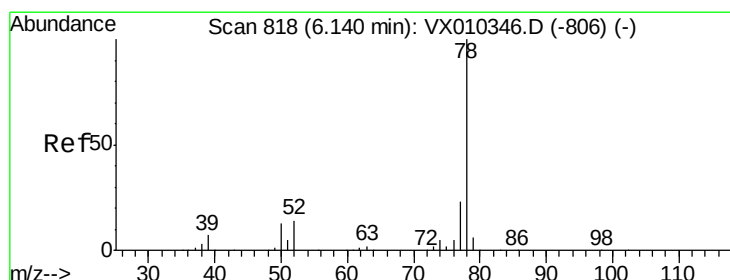
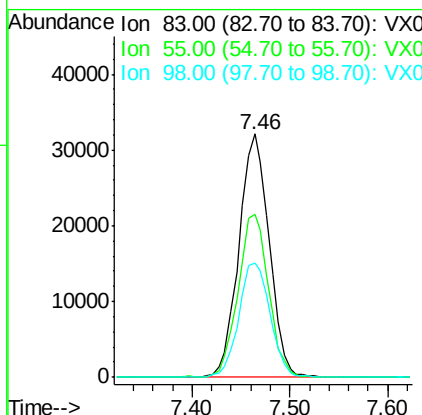
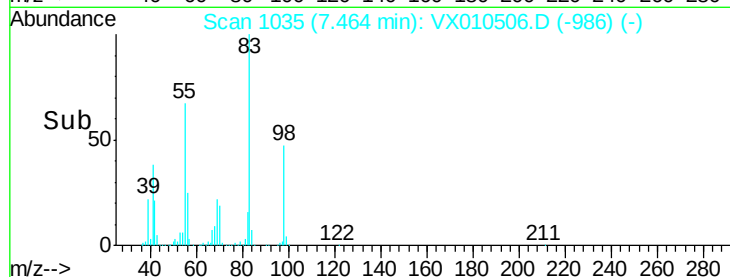
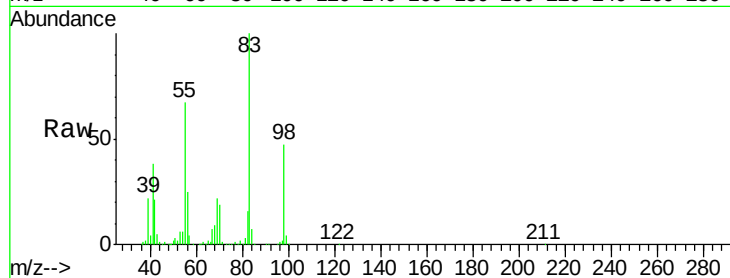
#39
Methylvlcyclohexane
Concen: 17.788 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	83	Resp	68718
Ion Ratio	Lower	Upper	
83	100		
55	67.0	53.0	79.6
98	46.8	37.8	56.8

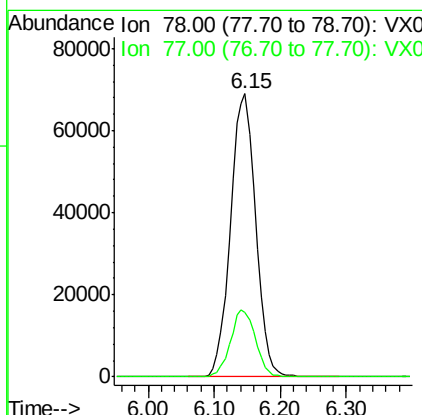
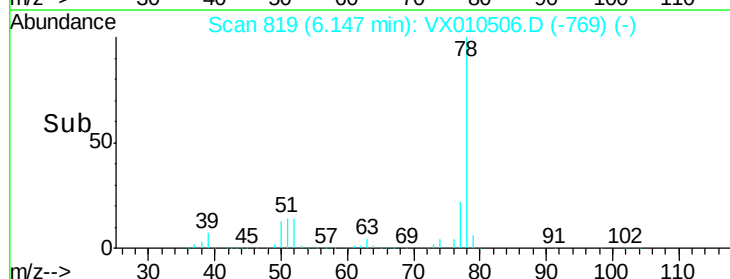
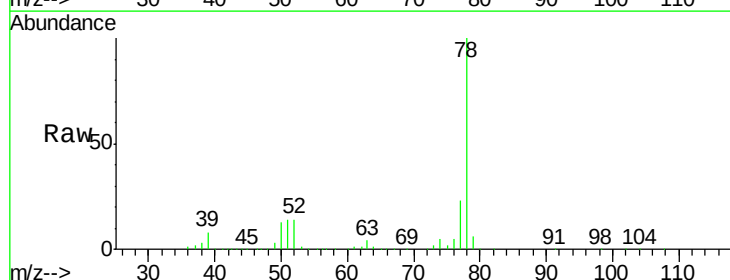
Manual Integrations
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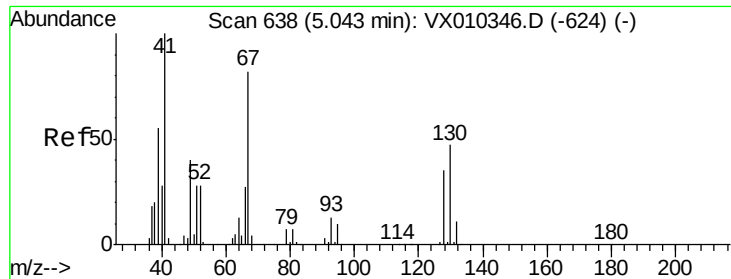
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#40
Benzene
Concen: 19.868 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	78	Resp	181907
Ion Ratio	Lower	Upper	
78	100		
77	22.7	18.6	28.0





#41

Methacrylonitrile

Concen: 20.513 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 41 Resp: 34029

Ion Ratio Lower Upper

41 100

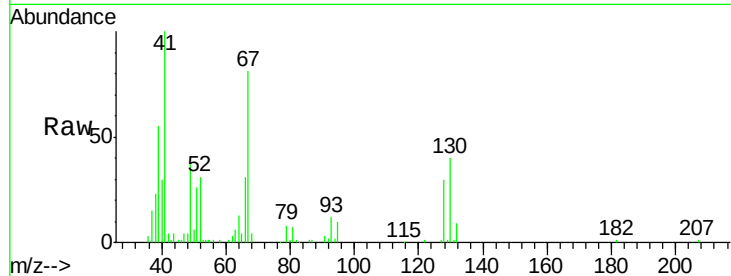
39 53.1 43.8 65.8

67 81.9 66.6 100.0

52 33.7 24.5 36.7

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:36:36 AM



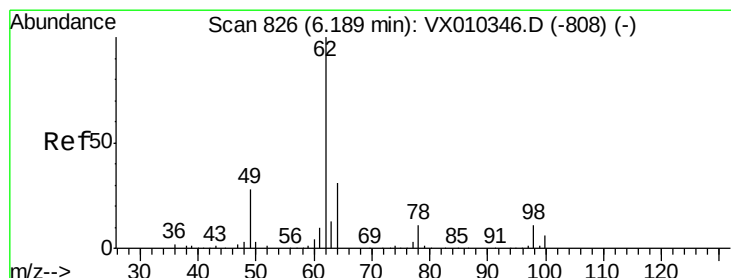
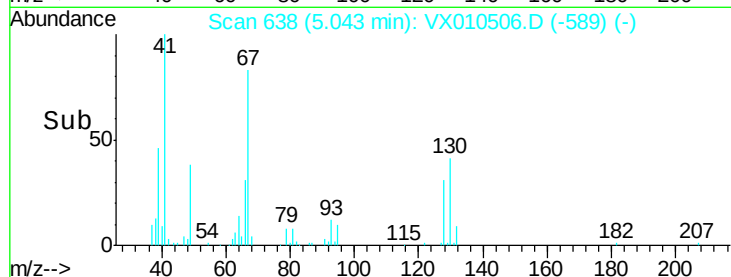
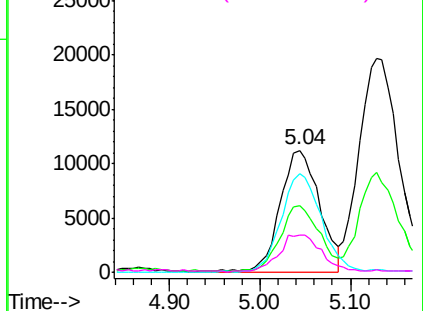
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.778 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.01 min

Lab File: VX010506.D

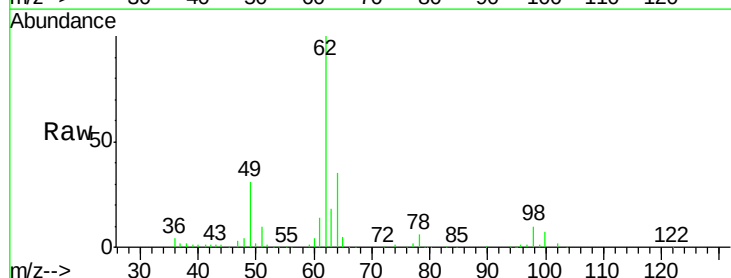
Acq: 27 Jun 2019 23:53

Tgt Ion: 62 Resp: 57911

Ion Ratio Lower Upper

62 100

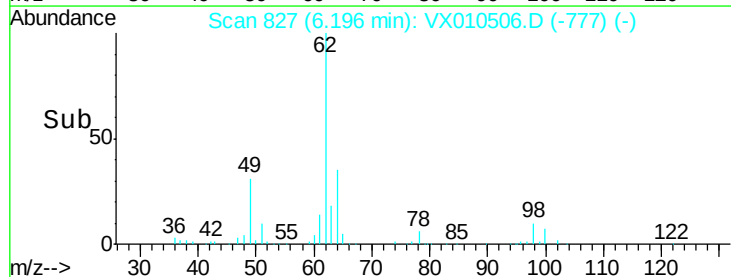
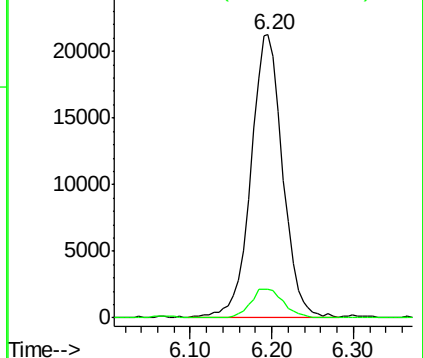
98 10.6 0.0 22.2

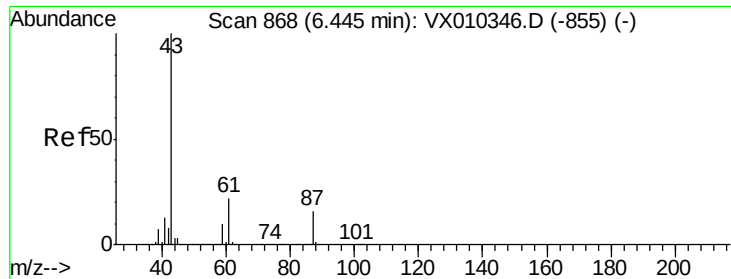


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 20.188 ug/l

RT: 6.45 min Scan# 868

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

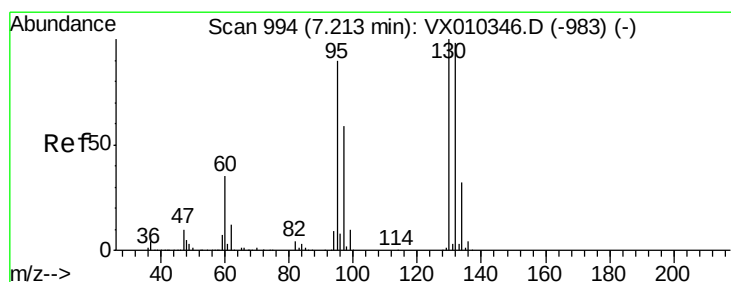
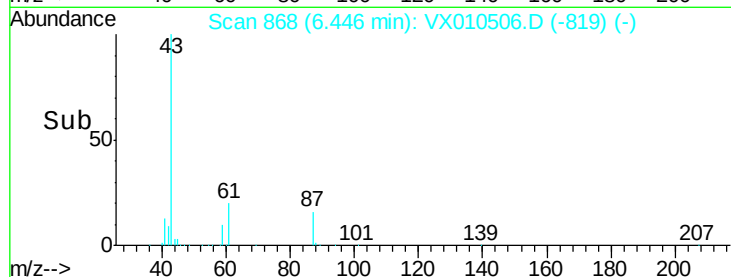
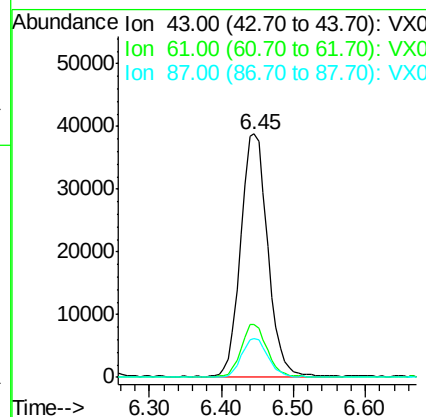
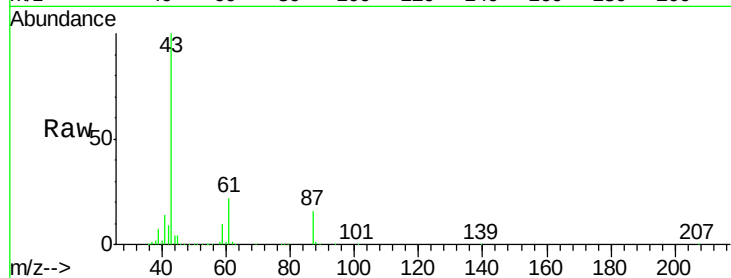
ClientSampleId :

VX0627WBS02

Tot Ion:	43	Resp:	100981
Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.8	26.6
87	15.8	13.0	19.4

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#44

Trichloroethene

Concen: 19.574 ug/l

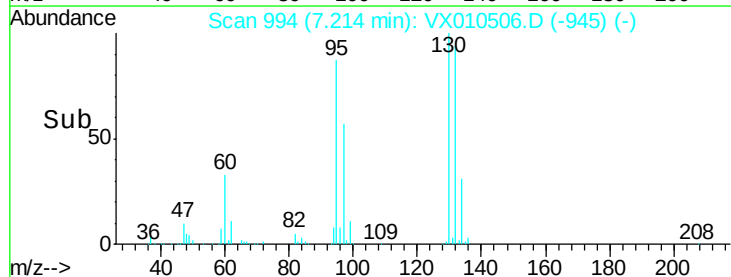
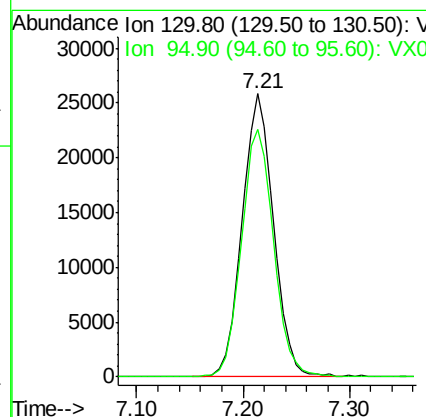
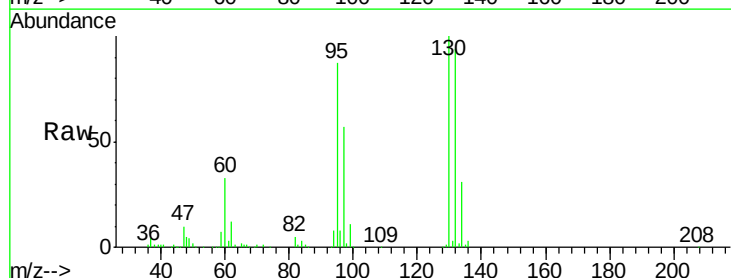
RT: 7.21 min Scan# 994

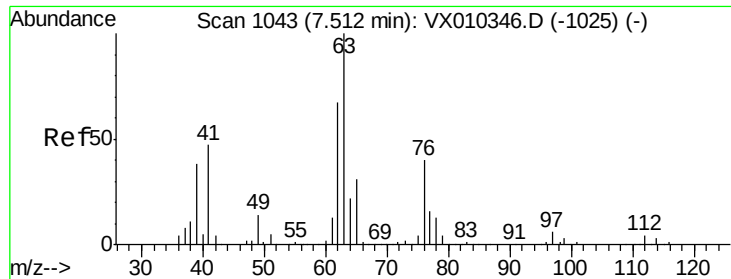
Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	130	Resp:	53628
Ion	Ratio	Lower	Upper
130	100		
95	87.5	0.0	180.8





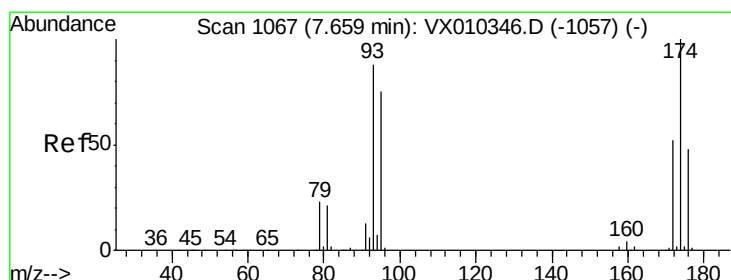
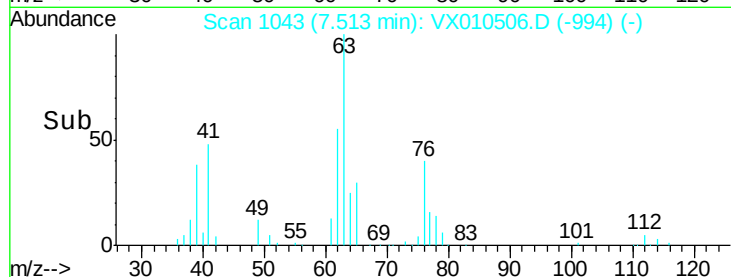
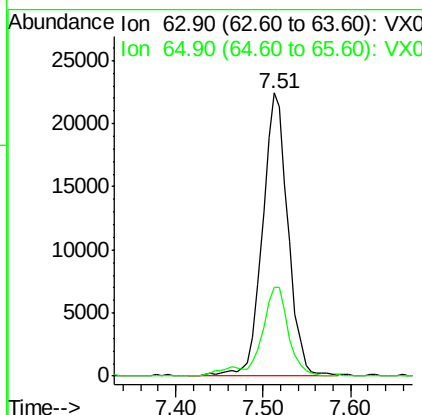
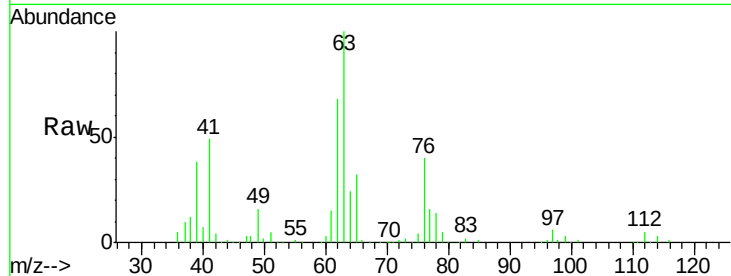
#45
1,2-Dichloropropane
Concen: 19.751 ug/l
RT: 7.51 min Scan# 1043
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion: 63 Resp: 45668
Ion Ratio Lower Upper
63 100
65 31.6 24.8 37.2

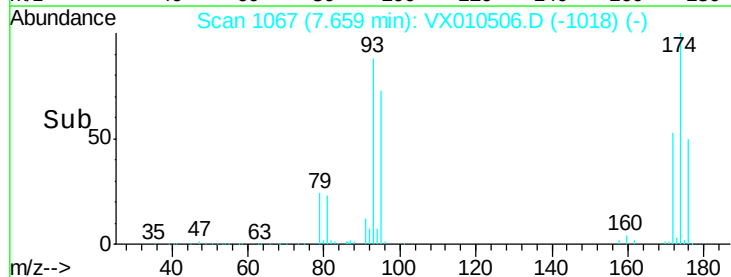
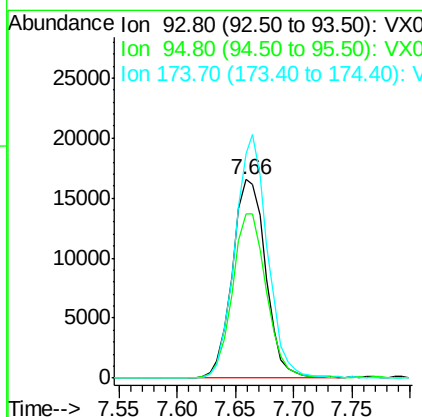
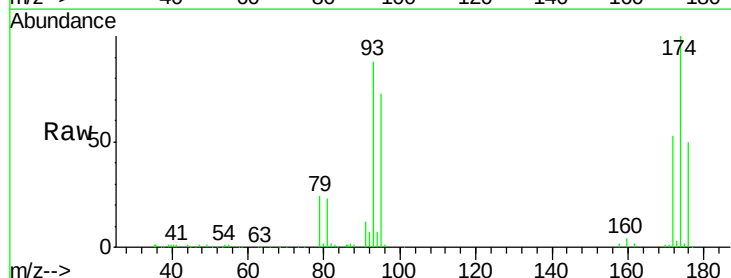
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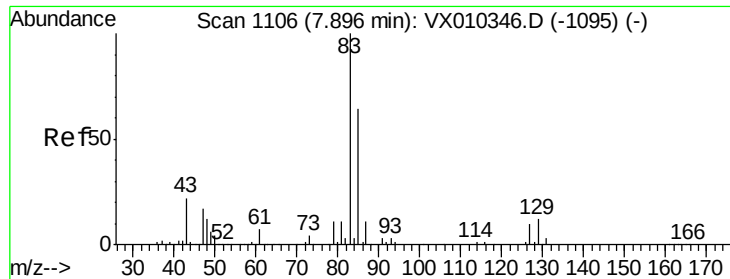
MMDadoda
6/28/2019 10:36:36 AM



#46
Dibromomethane
Concen: 20.048 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion: 93 Resp: 33258
Ion Ratio Lower Upper
93 100
95 84.2 67.5 101.3
174 117.8 95.8 143.6





#47

Bromodichloromethane

Concen: 19.123 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

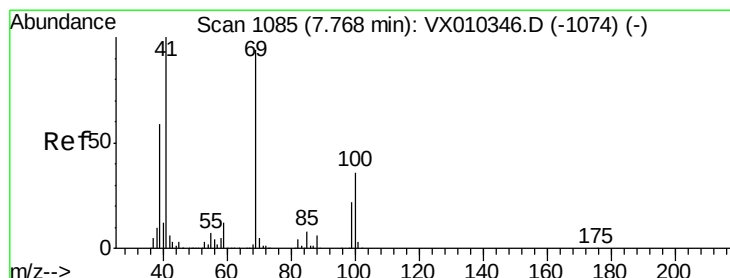
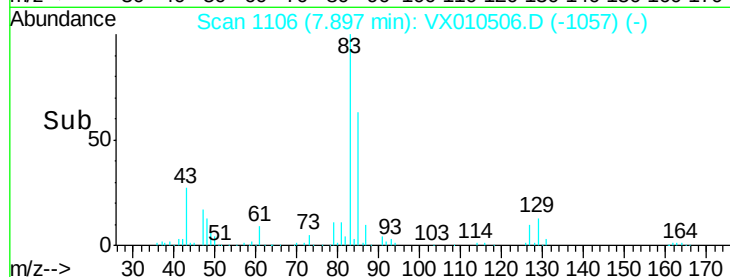
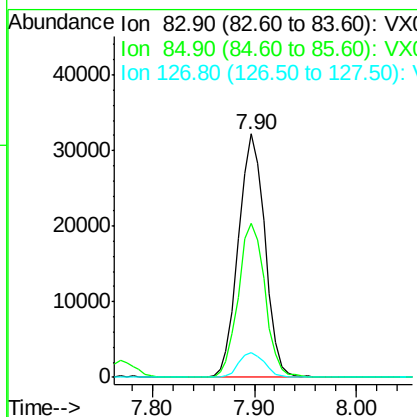
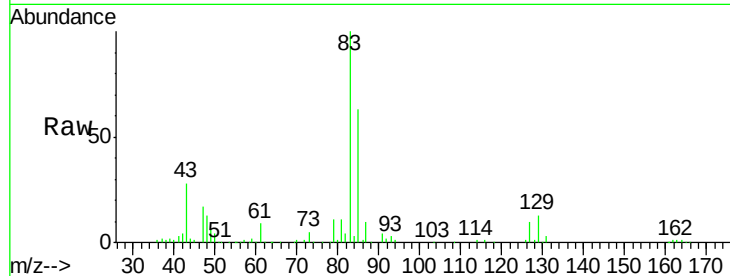
ClientSampleId :

VX0627WBS02

Tot Ion:	83	Resp:	58137
Ion Ratio	Lower	Upper	
83	100		
85	63.4	51.5	77.3
127	10.0	7.8	11.8

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#48

Methyl methacrylate

Concen: 20.101 ug/l

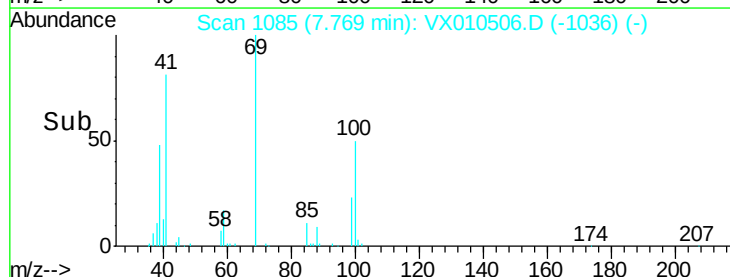
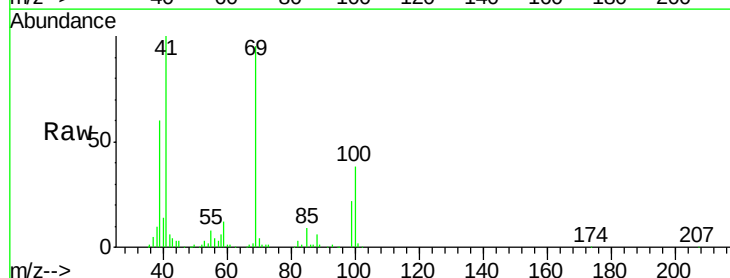
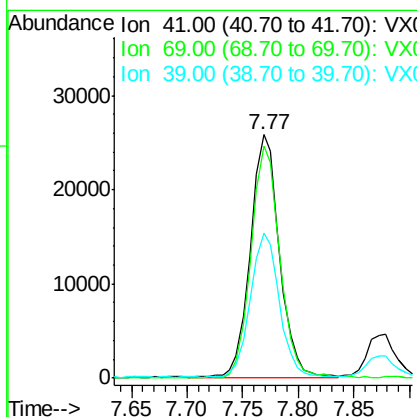
RT: 7.77 min Scan# 1085

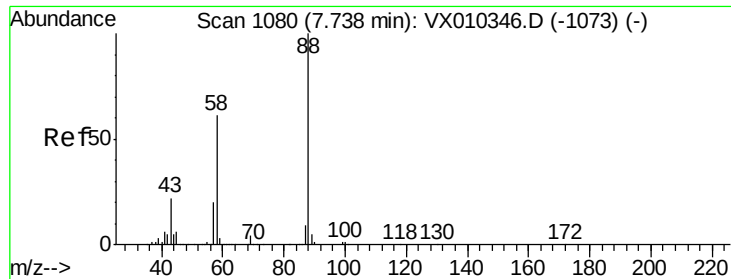
Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	41	Resp:	46737
Ion Ratio	Lower	Upper	
41	100		
69	95.9	76.1	114.1
39	61.0	47.6	71.4





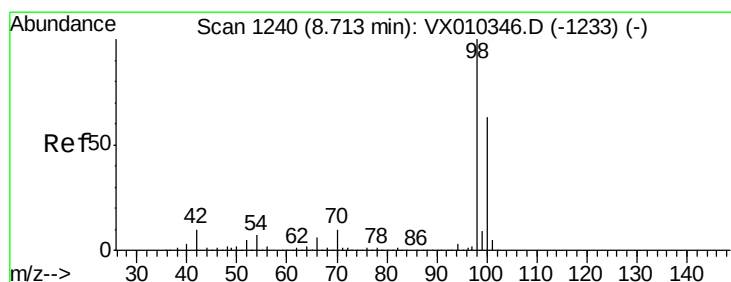
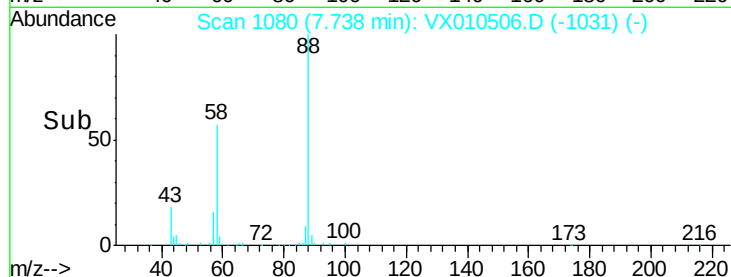
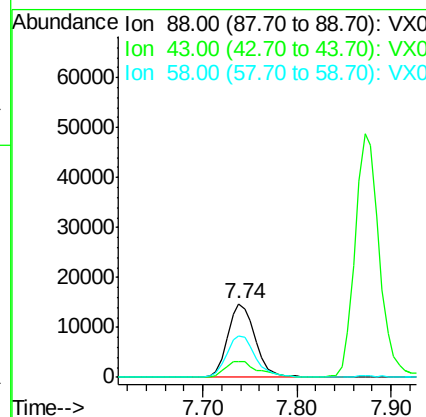
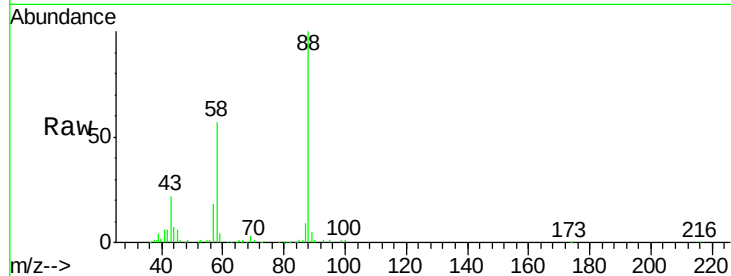
#49
1,4-Dioxane
Concen: 445.914 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.5	20.2	30.2
58	59.1	49.5	74.3

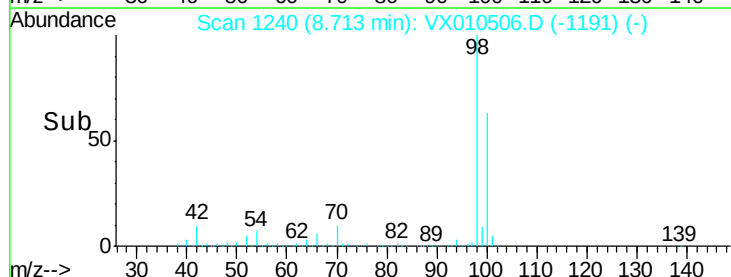
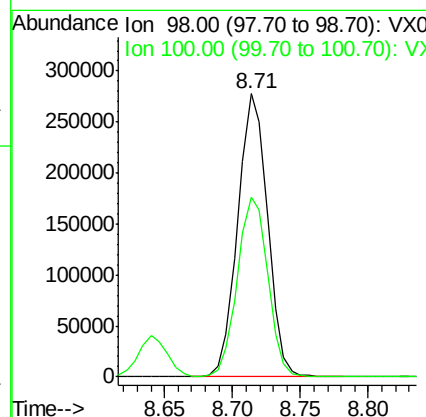
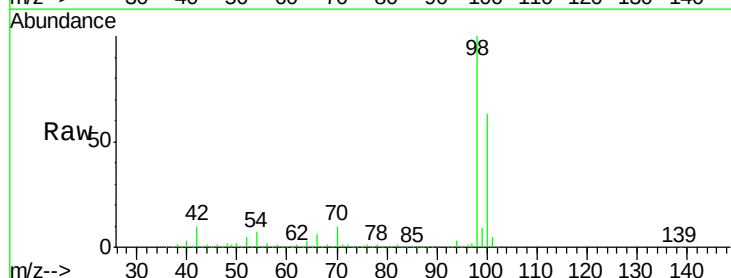
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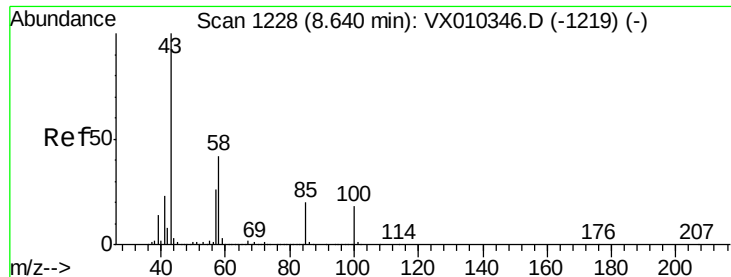
MMDadoda
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#50
Toluene-d8
Concen: 49.187 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.6	77.4





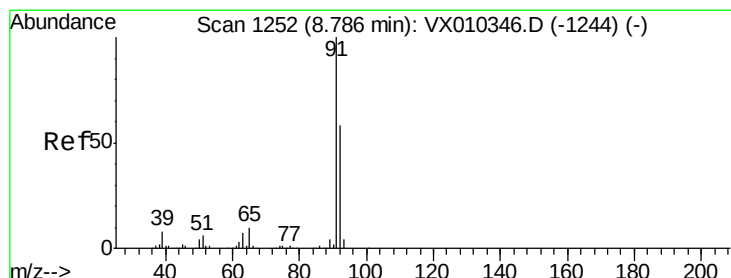
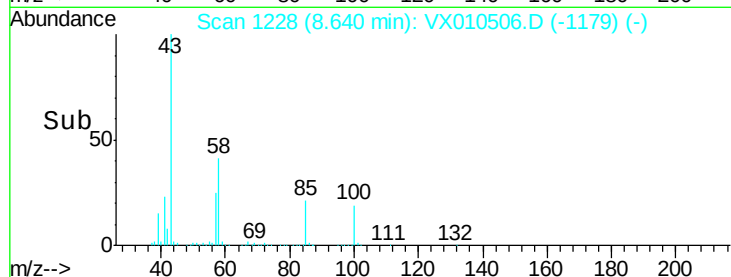
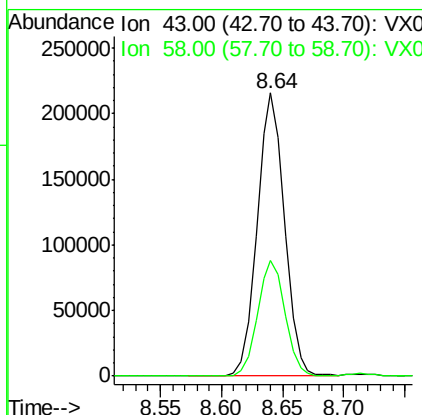
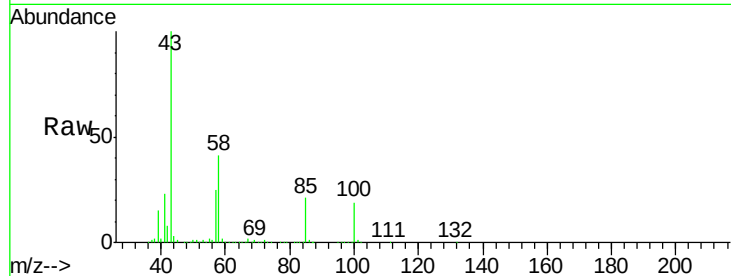
#51
4-Methyl-2-Pentanone
Concen: 104.984 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampled :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.1	33.5	50.3

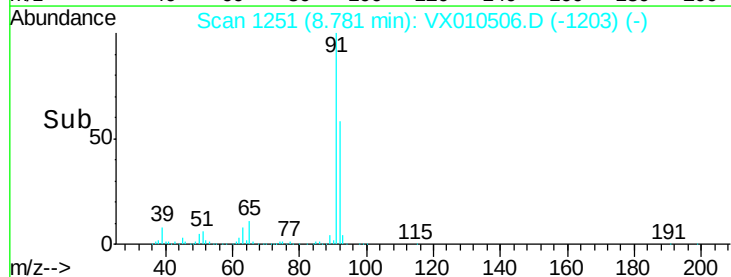
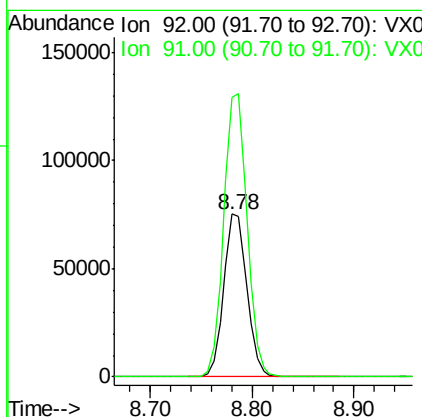
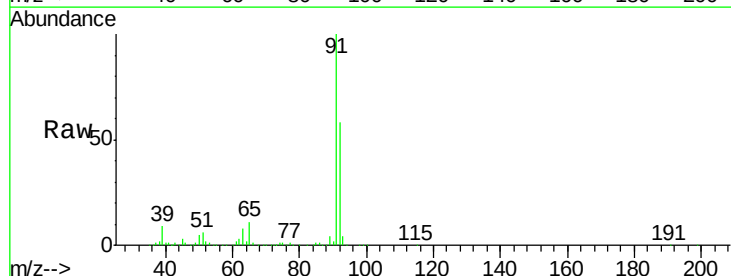
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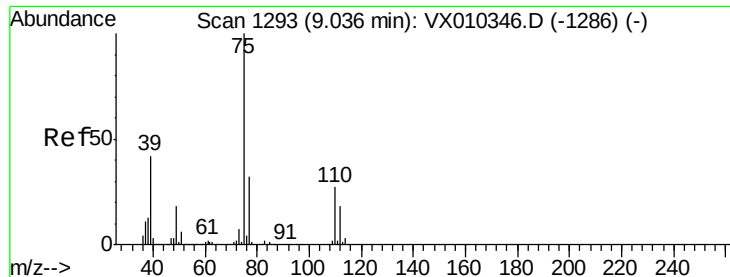
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#52
Toluene
Concen: 19.637 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.5	139.8	209.6





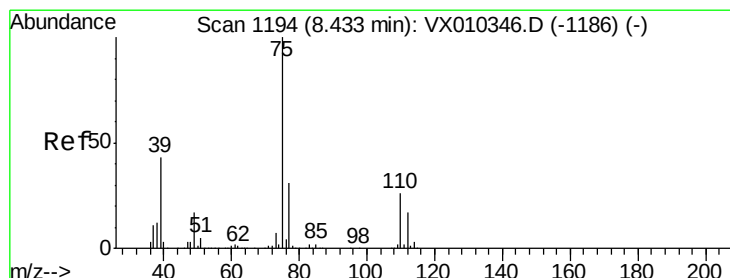
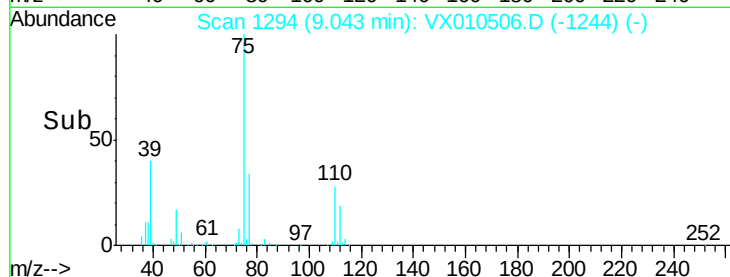
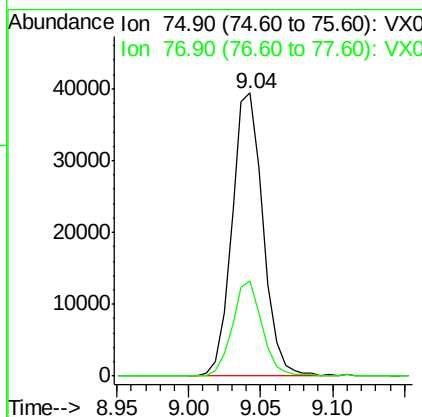
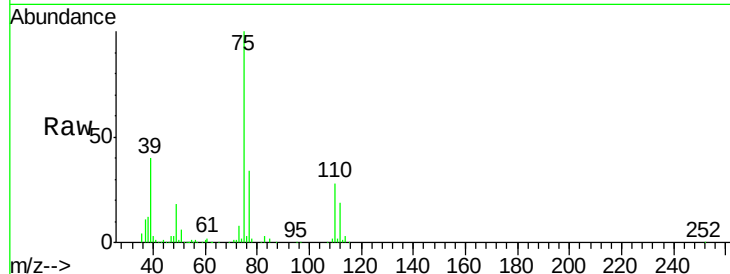
#53
t-1,3-Dichloropropene
Concen: 17.413 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion: 75 Resp: 59352
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.2

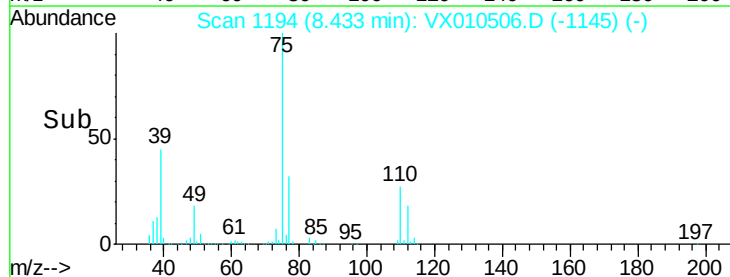
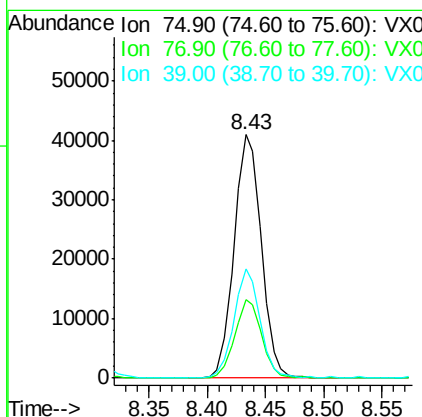
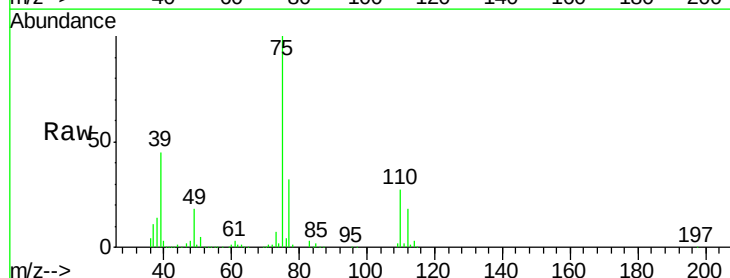
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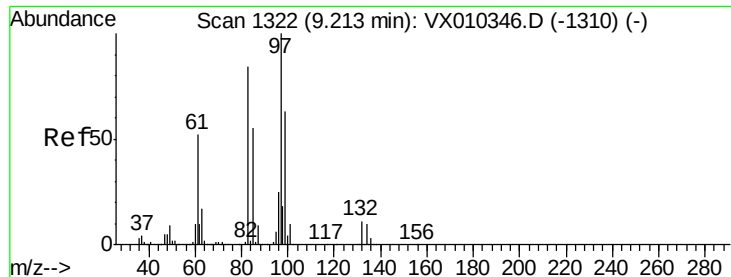
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.073 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion: 75 Resp: 66941
Ion Ratio Lower Upper
75 100
77 32.0 25.2 37.8
39 44.7 34.5 51.7





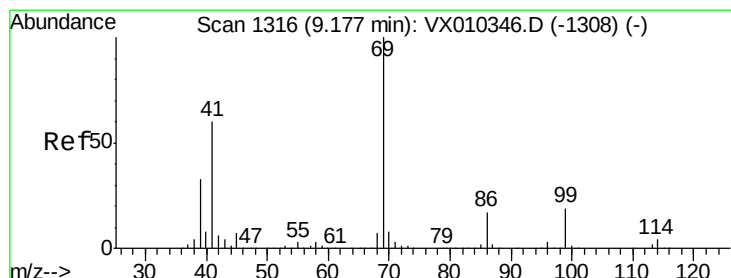
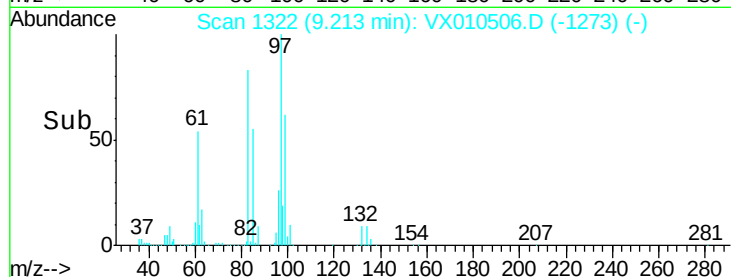
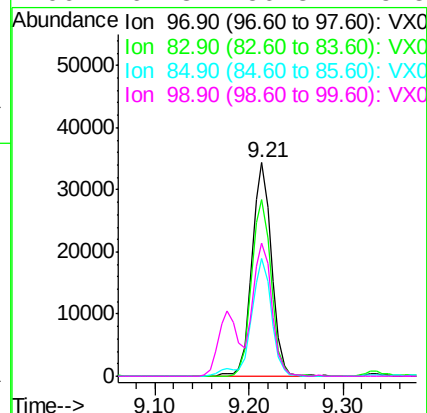
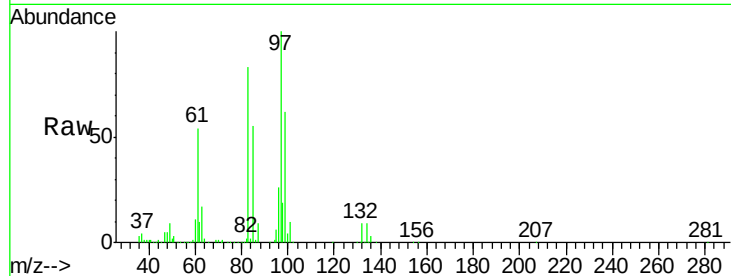
#55
1,1,2-Trichloroethane
Concen: 20.119 ug/l
RT: 9.21 min Scan# 1322
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		50031		
83	82.6	67.4	101.0		
85	55.4	43.8	65.8		
99	62.3	50.3	75.5		

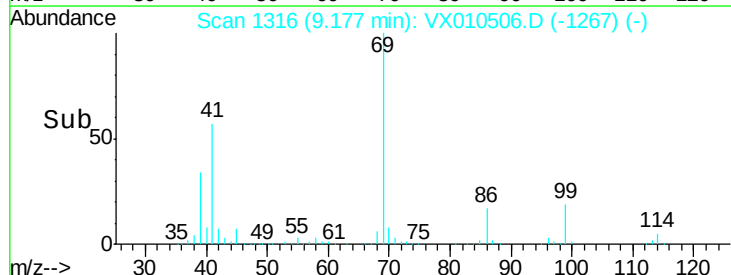
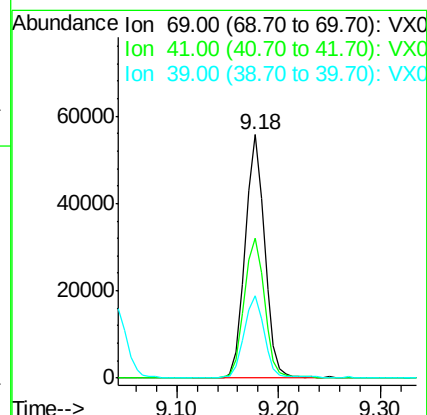
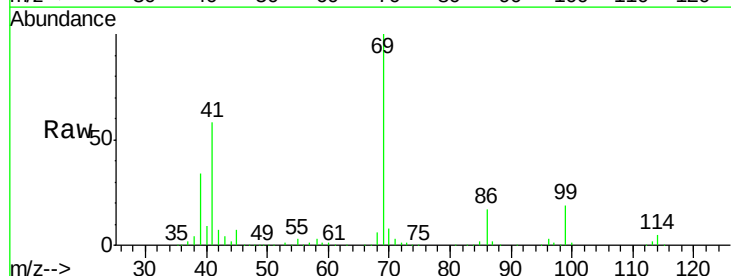
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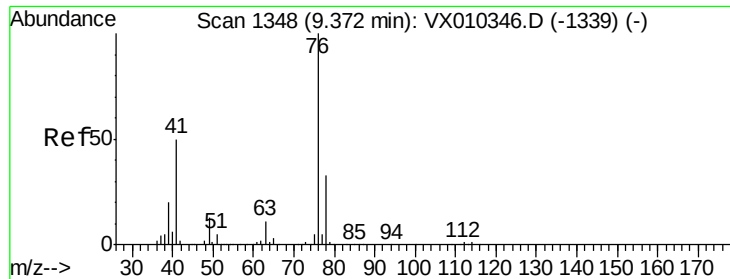
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#56
Ethyl methacrylate
Concen: 19.552 ug/l
RT: 9.18 min Scan# 1316
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		73652		
41	59.4	47.1	70.7		
39	34.5	26.6	40.0		





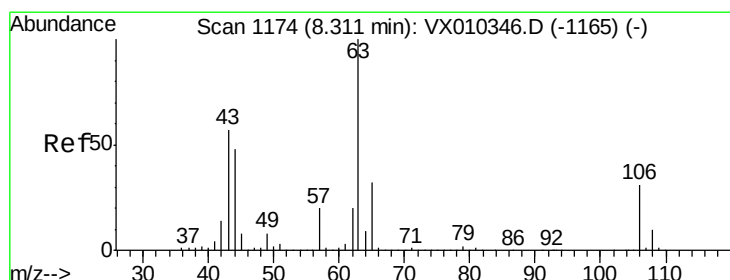
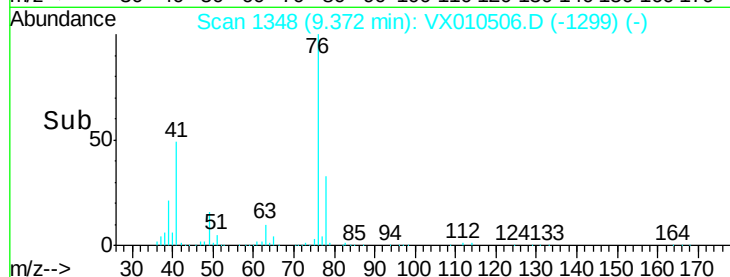
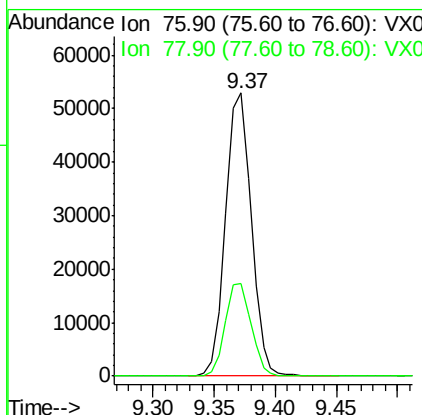
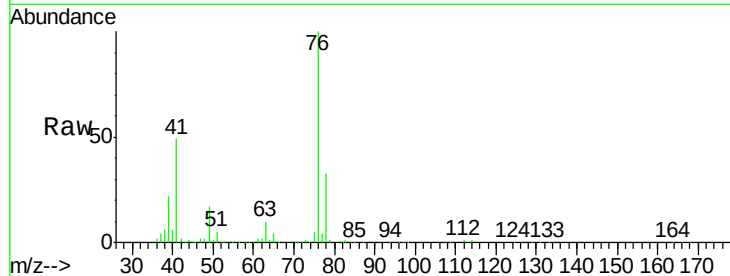
#57
 1,3-Dichloropropane
 Concen: 20.016 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion: 76 Resp: 77265
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.1 39.1

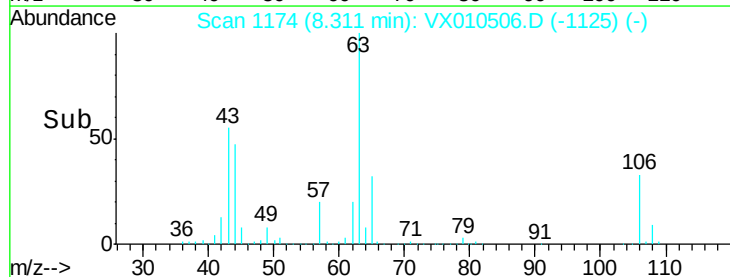
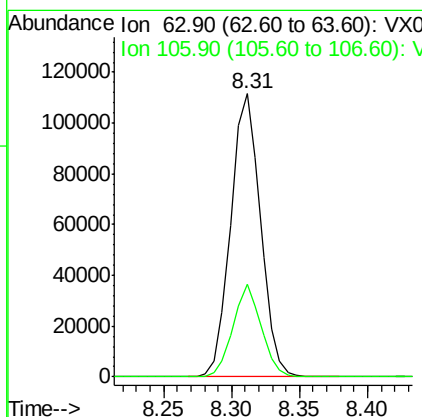
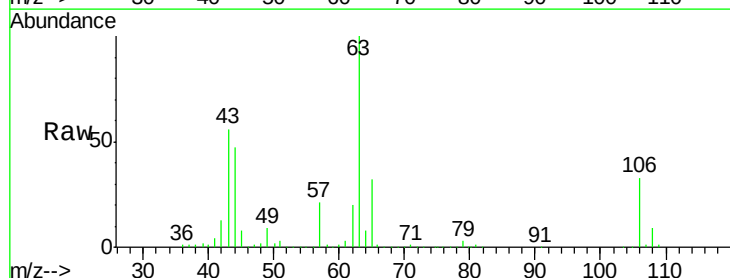
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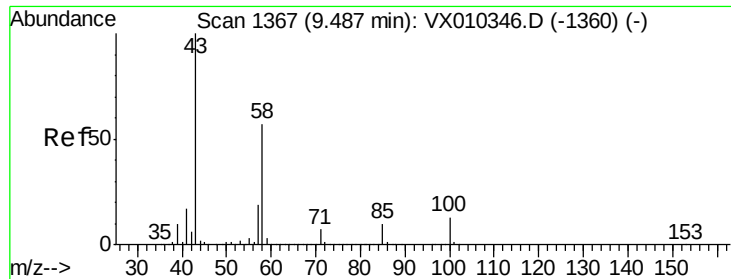
MMDadoda
 6/28/2019 10:36:36 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.516 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Tgt Ion: 63 Resp: 170885
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.7 37.1





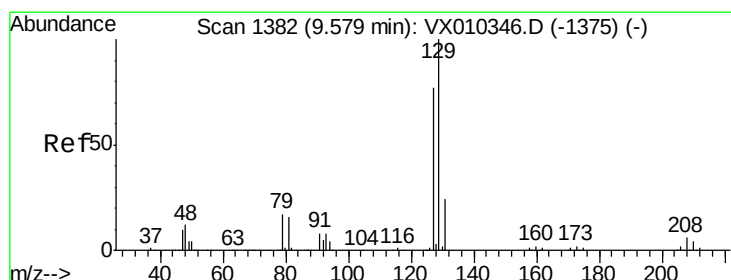
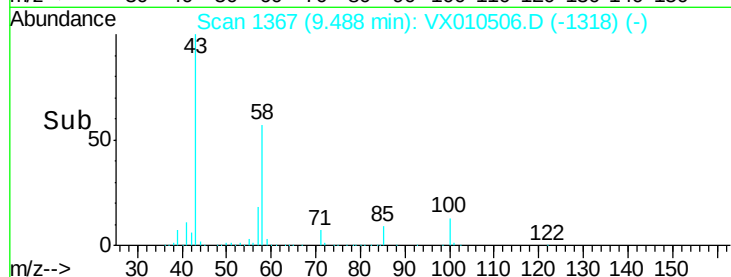
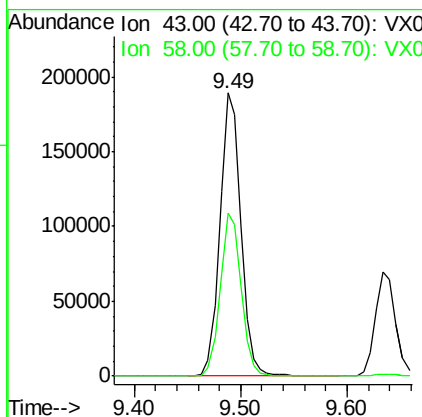
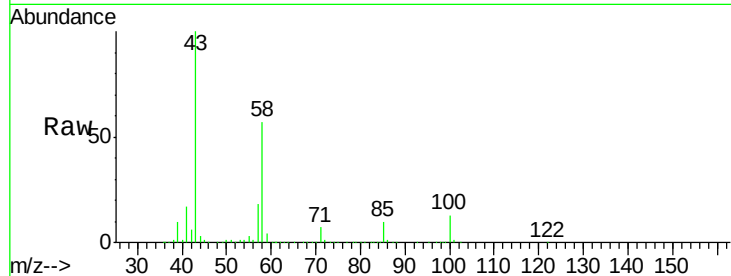
#59
2-Hexanone
Concen: 103.225 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion: 43 Resp: 259908
Ion Ratio Lower Upper
43 100
58 57.6 29.0 87.1

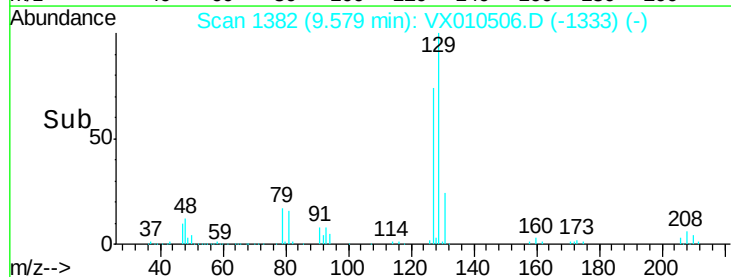
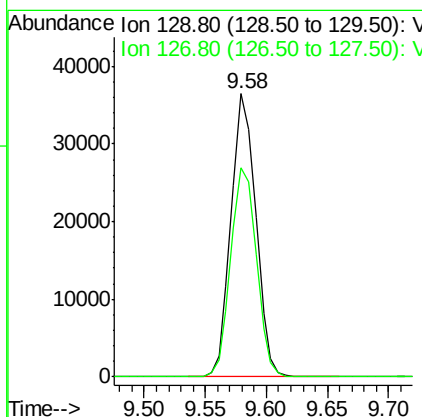
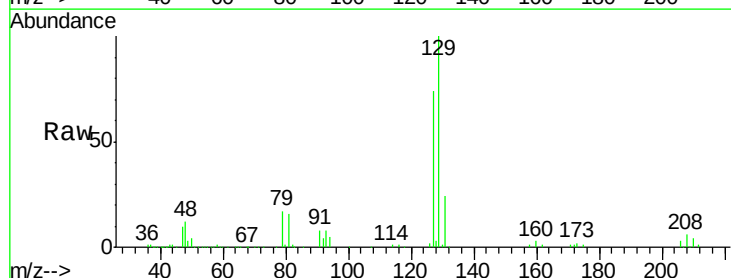
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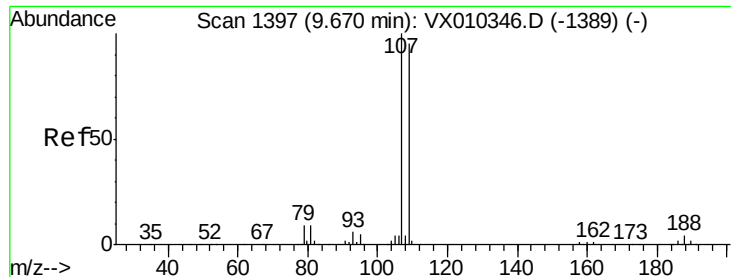
MMDadoda
6/28/2019 10:36:36 AM



#60
Dibromochloromethane
Concen: 18.438 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion: 129 Resp: 51336
Ion Ratio Lower Upper
129 100
127 76.2 38.4 115.1





#61

1,2-Dibromoethane

Concen: 19.630 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:107 Resp: 52690

Ion Ratio Lower Upper

107 100

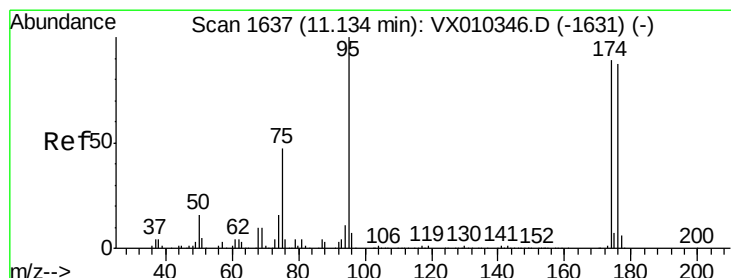
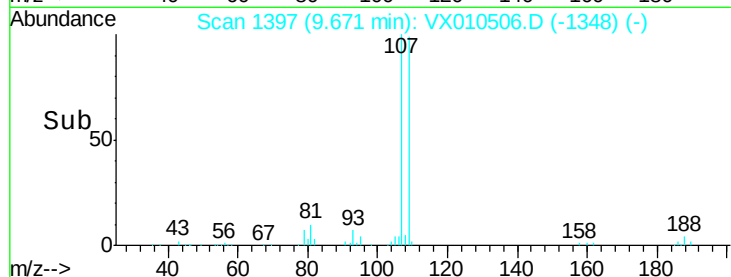
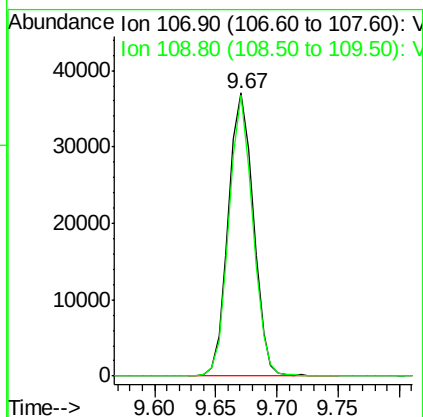
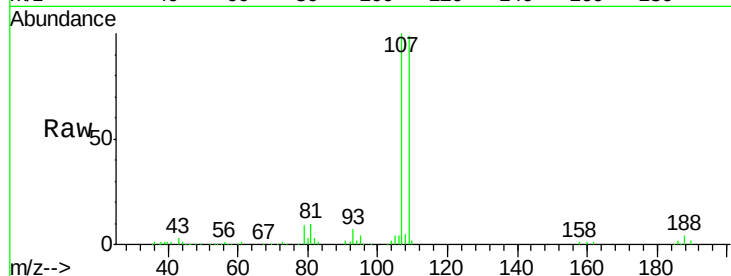
109 94.6 75.8 113.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.447 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

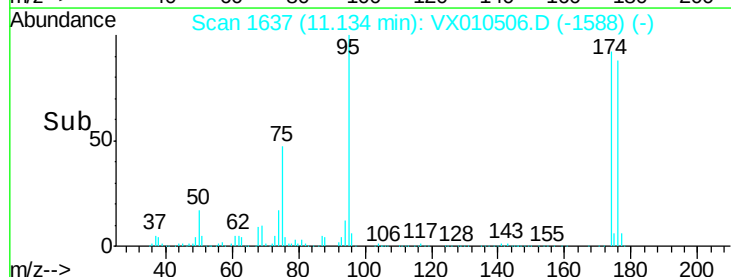
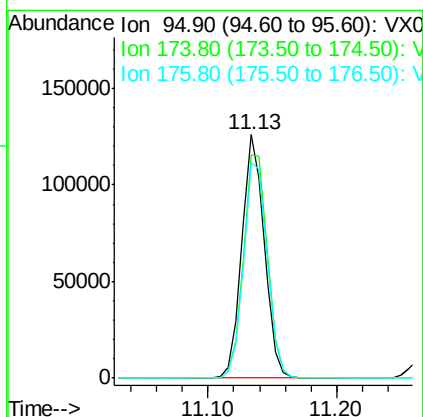
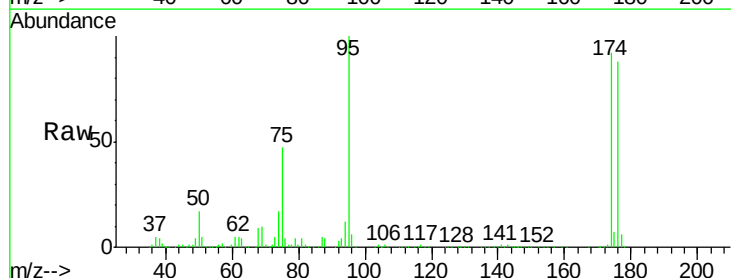
Tgt Ion: 95 Resp: 151415

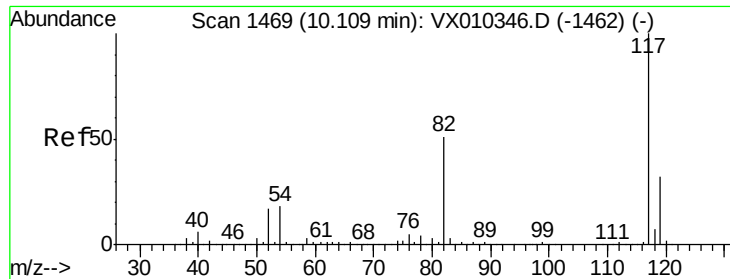
Ion Ratio Lower Upper

95 100

174 97.9 0.0 187.6

176 93.3 0.0 184.0





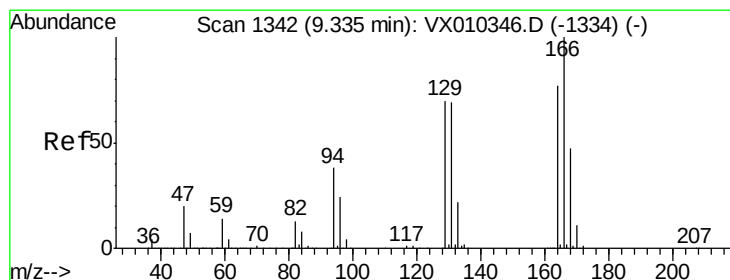
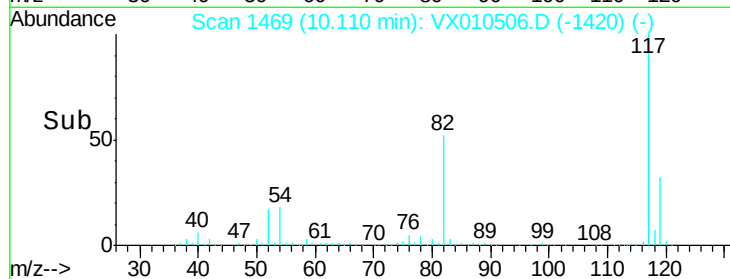
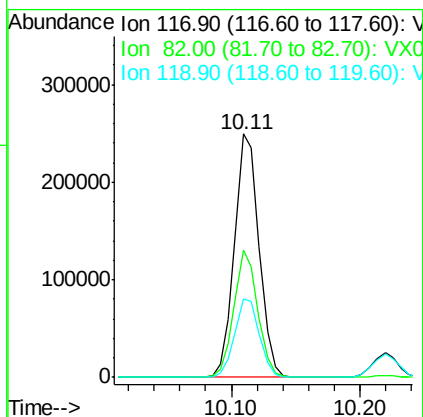
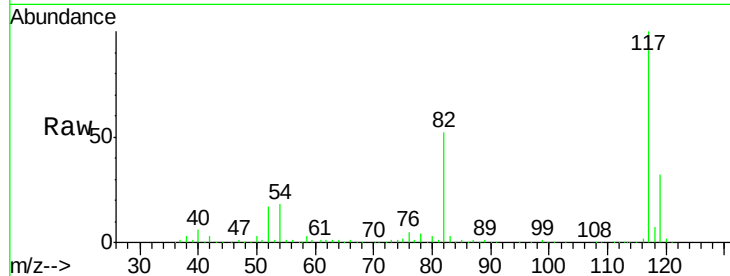
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.2	61.8
119	32.2	25.5	38.3

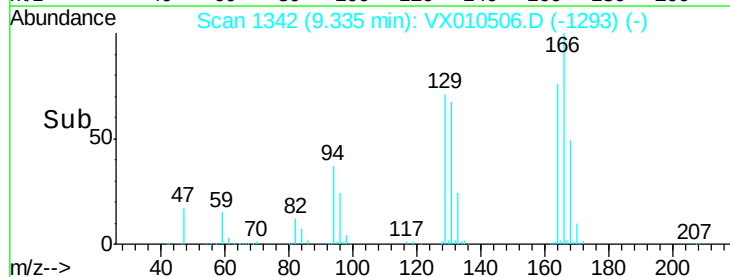
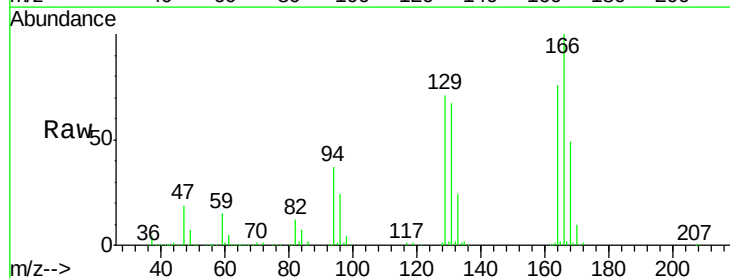
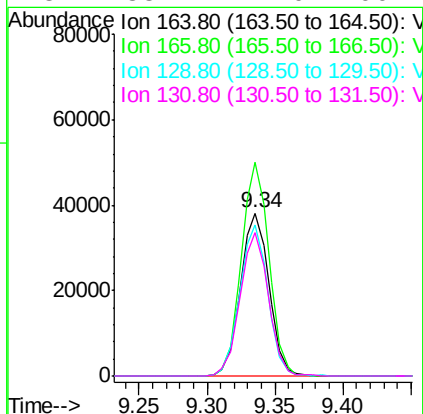
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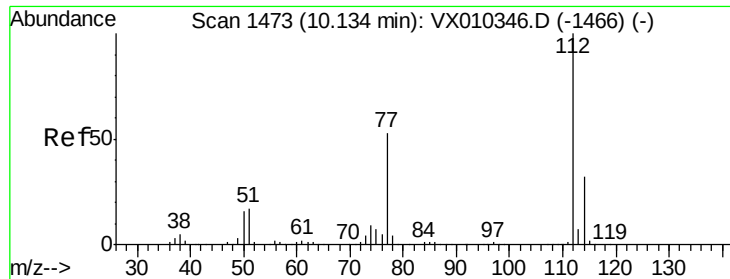
MMDadoda
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#64
Tetrachloroethene
Concen: 20.729 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	103.6	155.4
129	92.8	73.0	109.4
131	88.4	71.0	106.4





#65

Chlorobenzene

Concen: 19.791 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:112 Resp: 133804

Ion Ratio Lower Upper

112 100

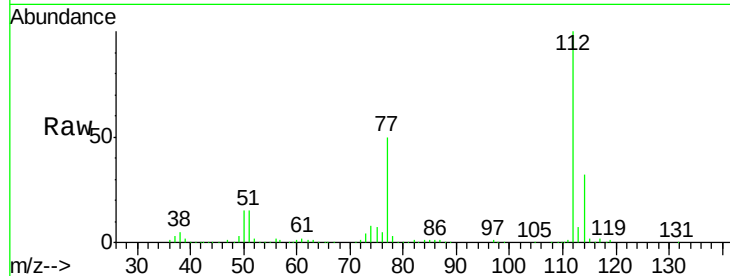
114 32.0 25.4 38.2

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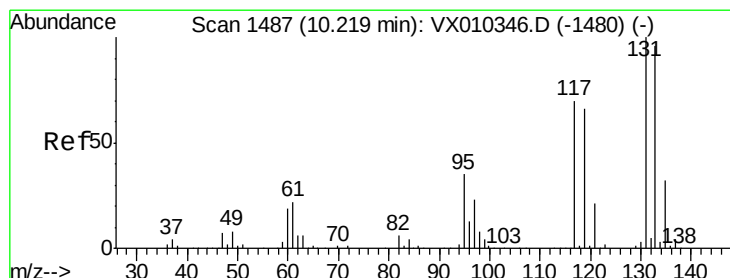
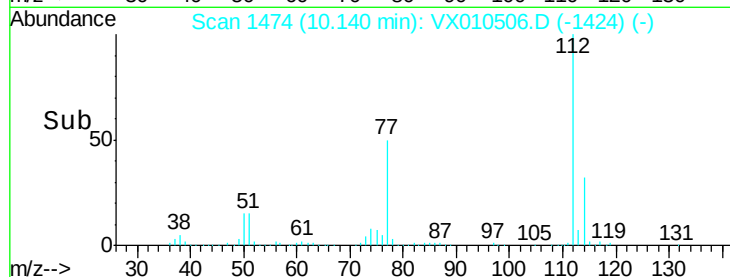
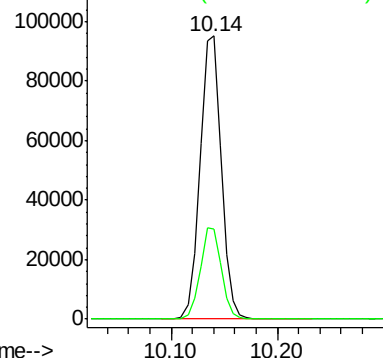
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.640 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

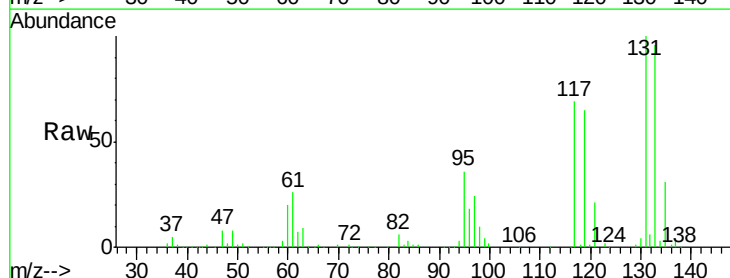
Tgt Ion:131 Resp: 48368

Ion Ratio Lower Upper

131 100

133 96.2 47.7 143.1

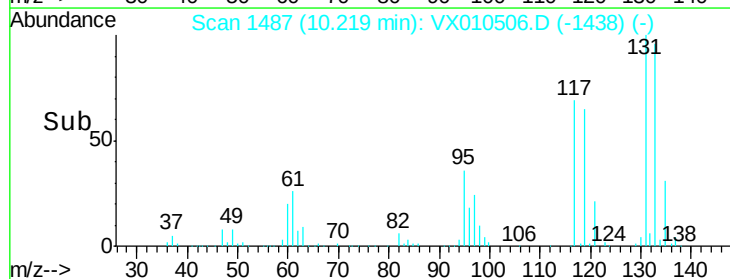
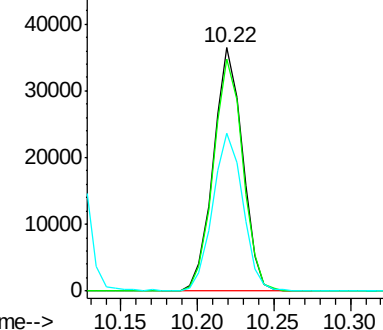
119 67.1 32.6 97.7

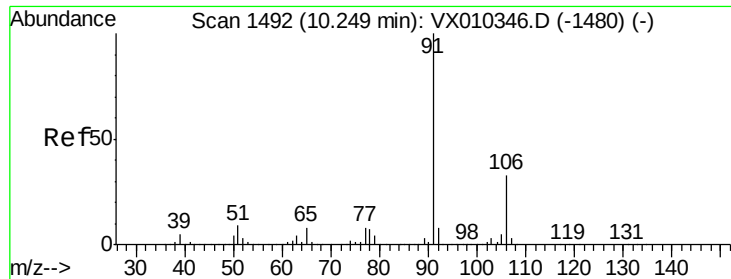


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





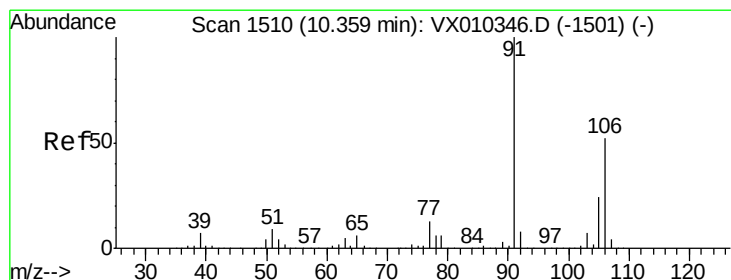
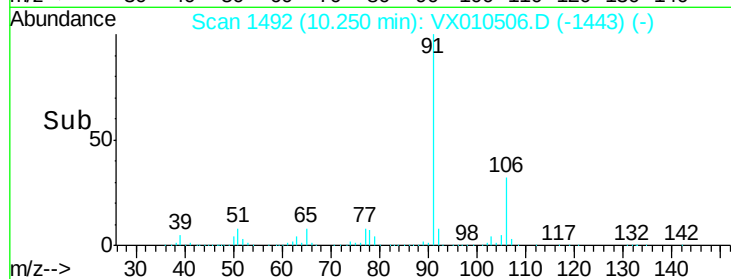
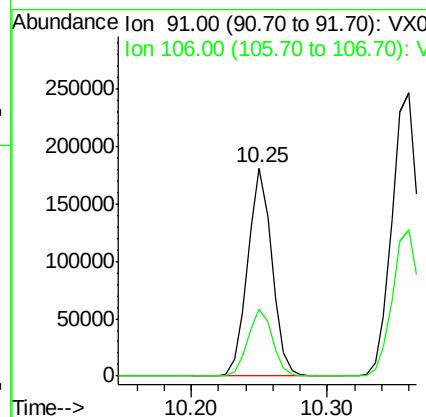
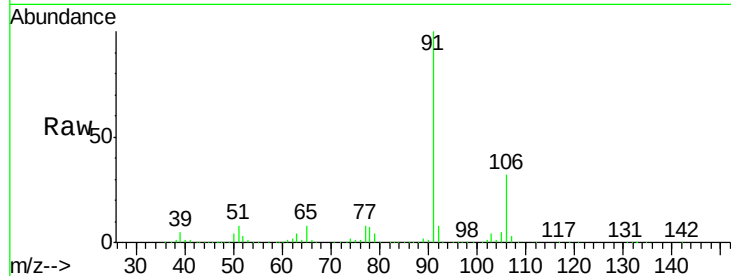
#67
Ethyl Benzene
Concen: 19.852 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampled :
VX0627WBS02

Tot Ion: 91 Resp: 226591
Ion Ratio Lower Upper
91 100
106 32.1 26.2 39.2

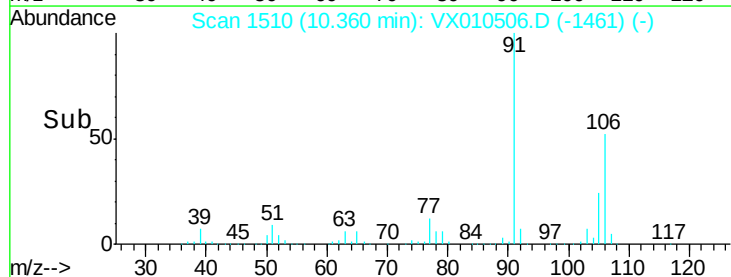
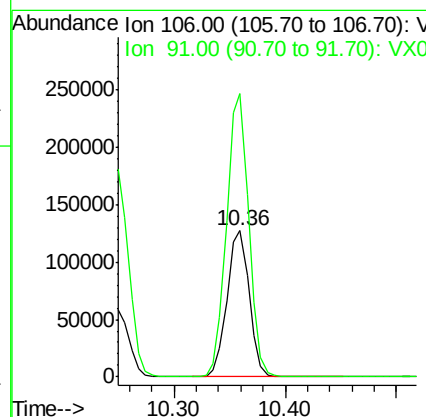
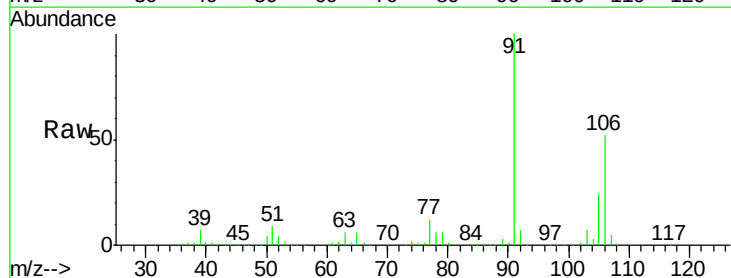
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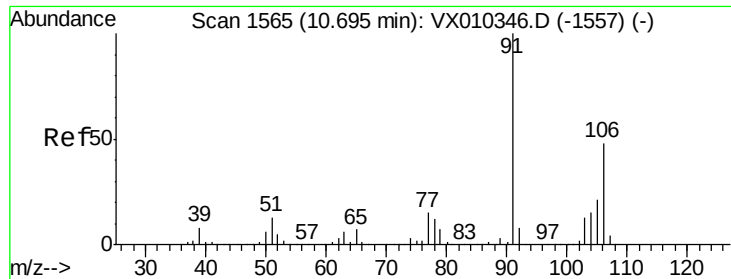
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#68
m/p-Xylenes
Concen: 39.805 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion: 106 Resp: 176042
Ion Ratio Lower Upper
106 100
91 192.4 155.3 232.9





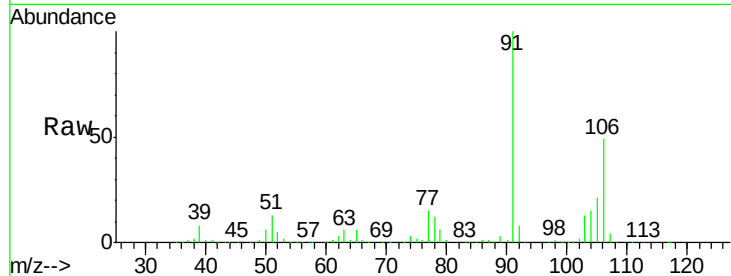
#69
o-Xylene
Concen: 19.963 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampled :
VX0627WBS02

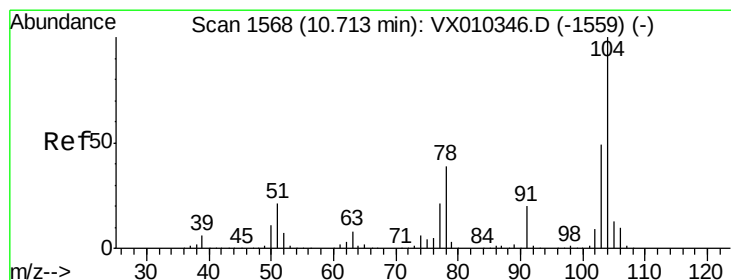
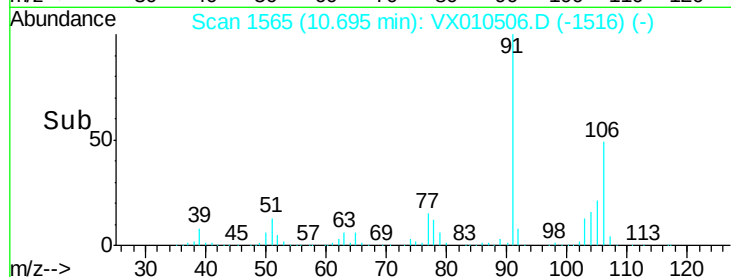
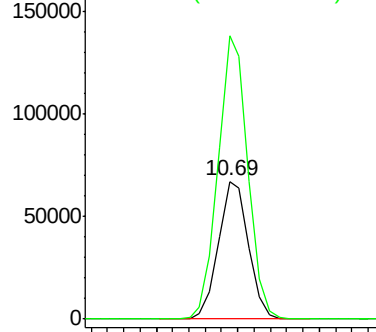
Tot Ion:106 Resp: 86826
Ion Ratio Lower Upper
106 100
91 202.8 102.7 308.1

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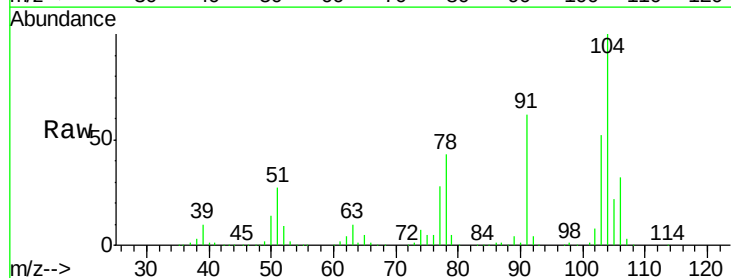


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

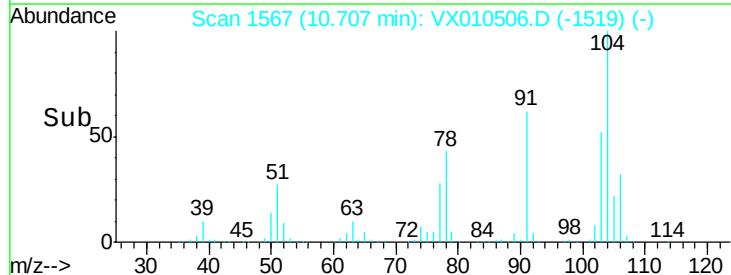
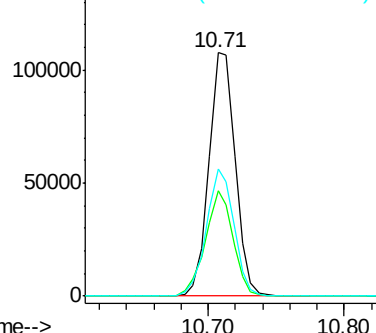


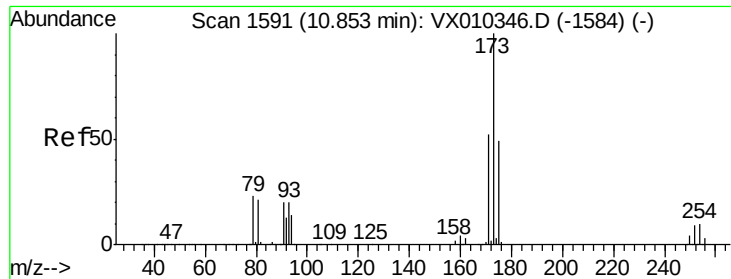
#70
Styrene
Concen: 19.962 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion:104 Resp: 145598
Ion Ratio Lower Upper
104 100
78 45.7 36.2 54.2
103 54.8 44.2 66.4



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: 17.808 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:173 Resp: 38137

Ion Ratio Lower Upper

173 100

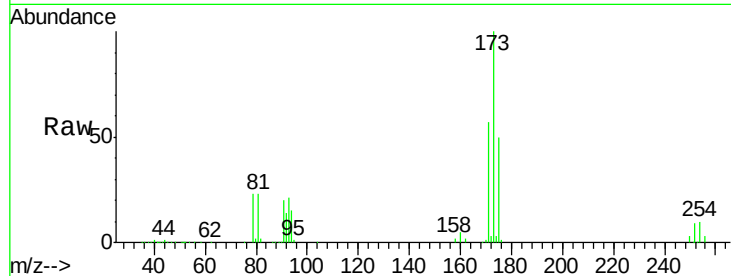
175 49.0 24.1 72.3

254 0.0 0.2 0.2#

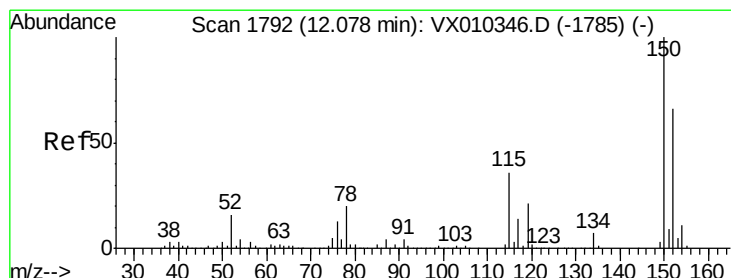
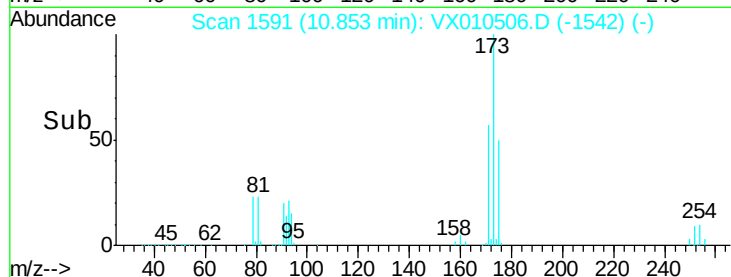
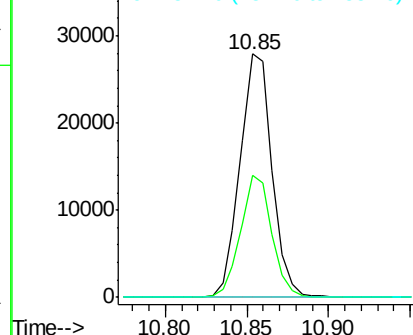
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

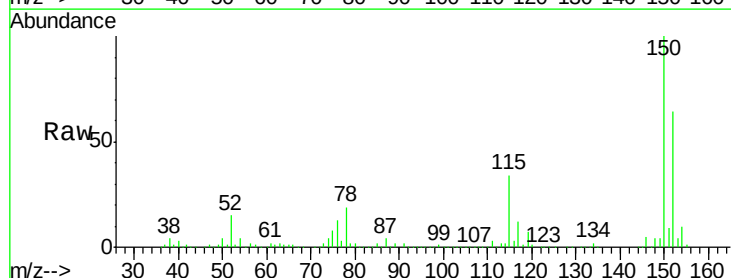
Tgt Ion:152 Resp: 171645

Ion Ratio Lower Upper

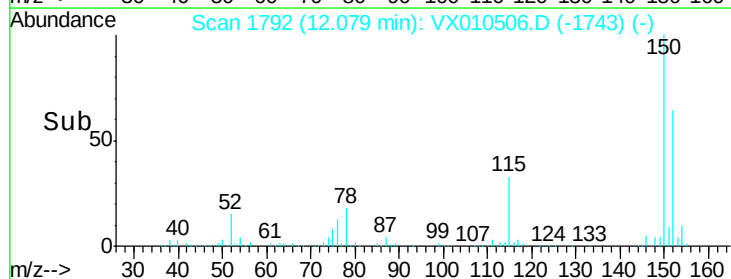
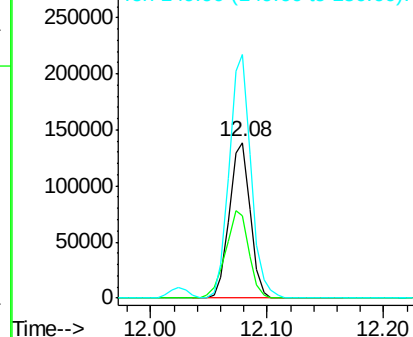
152 100

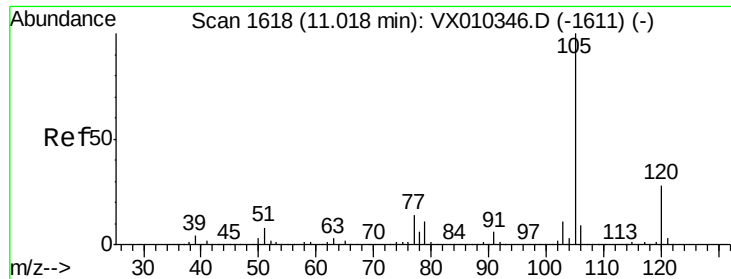
115 62.6 38.6 115.7

150 162.4 0.0 347.4



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





#73

Isopropylbenzene

Concen: 19.486 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:105 Resp: 226727

Ion Ratio Lower Upper

105 100

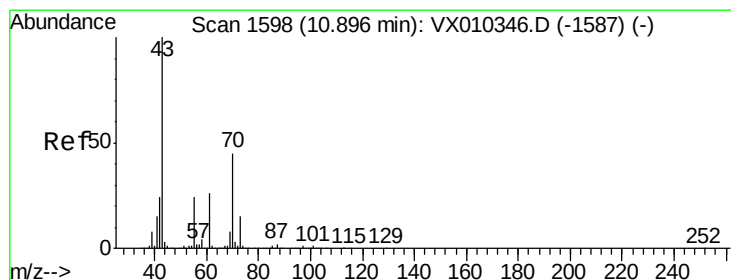
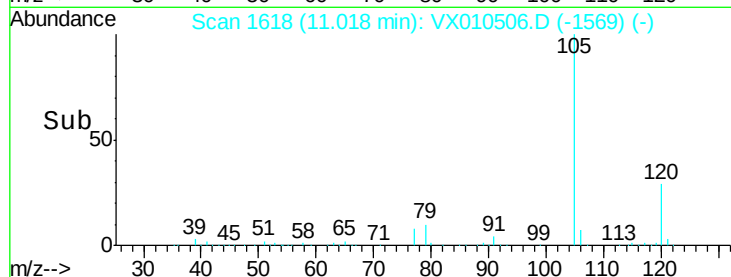
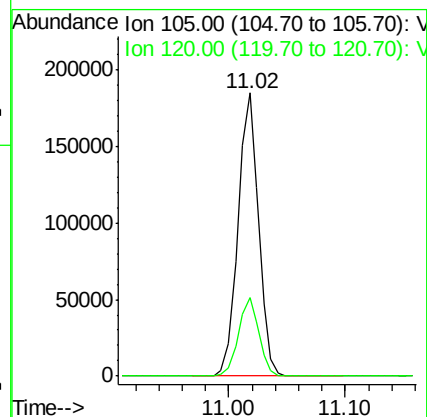
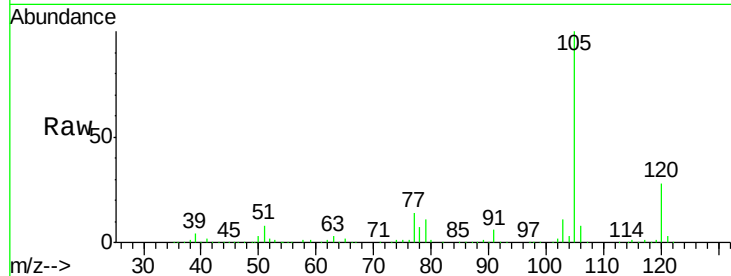
120 27.6 14.1 42.4

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#74

N-ethyl acetate

Concen: 20.116 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion: 43 Resp: 88456

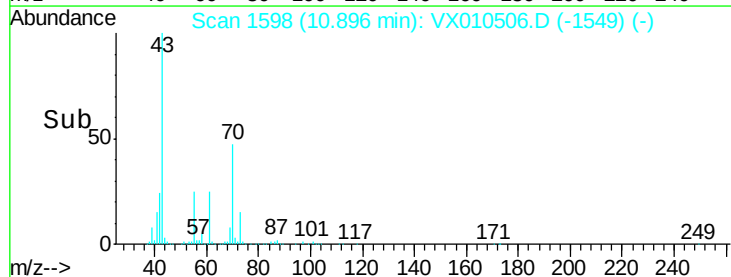
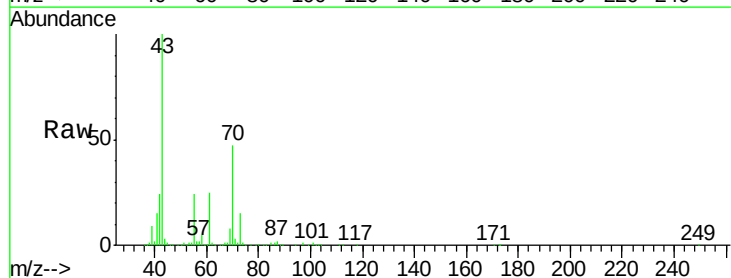
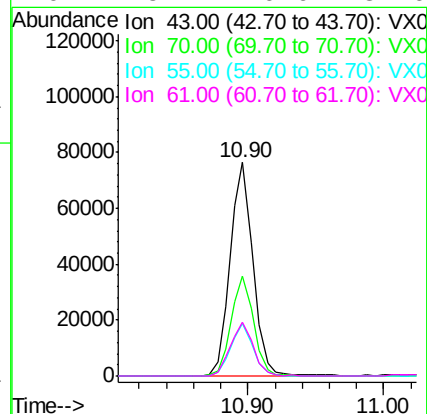
Ion Ratio Lower Upper

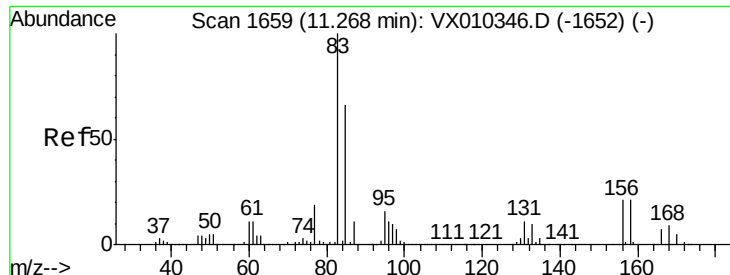
43 100

70 46.5 36.6 54.8

55 24.2 18.7 28.1

61 25.7 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.003 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

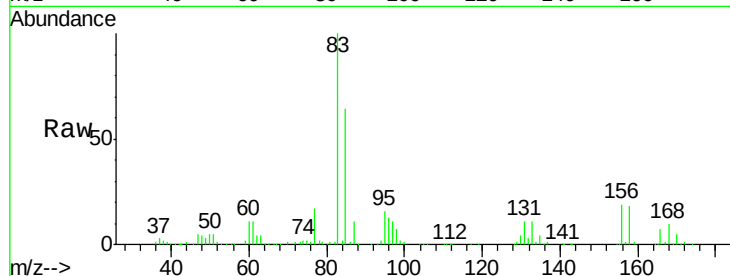
ClientSampleId :

VX0627WBS02

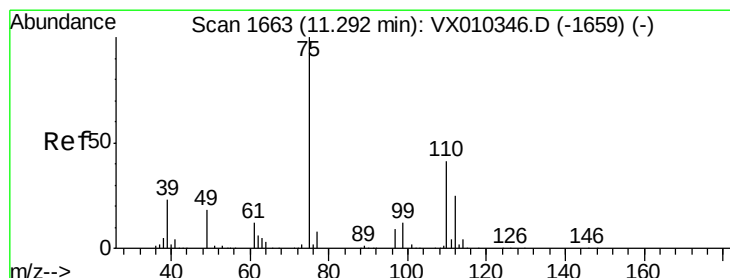
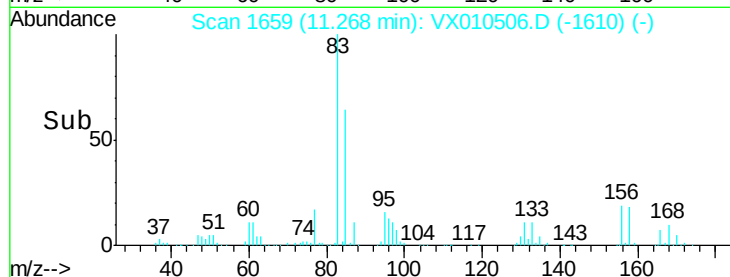
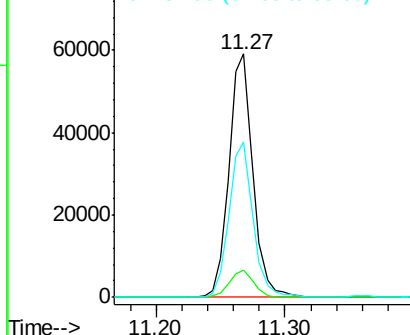
Tot Ion:	83	Resp:	77080
Ion	Ratio	Lower	Upper
83	100		
131	11.4	5.5	16.4
85	64.2	32.3	96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 20.335 ug/l m

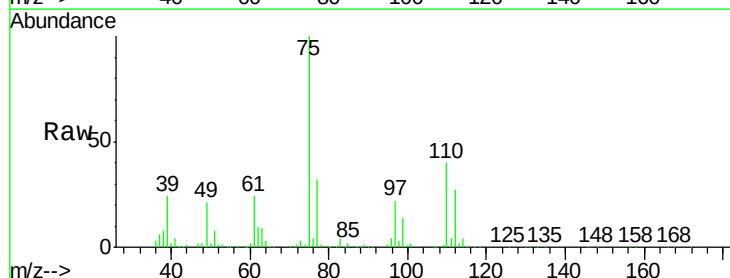
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

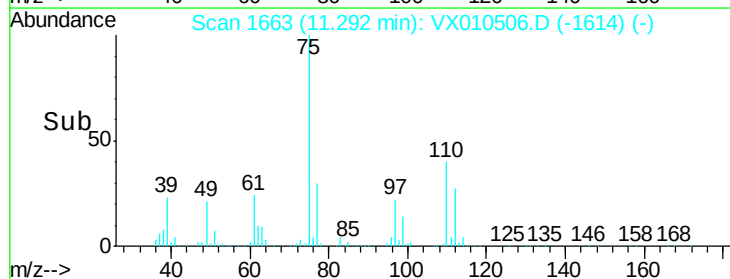
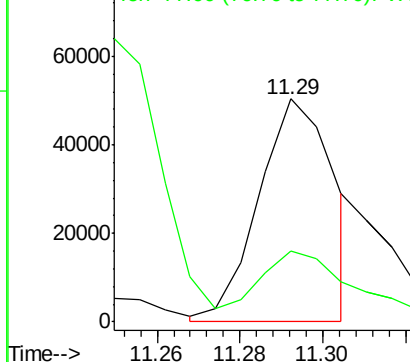
Lab File: VX010506.D

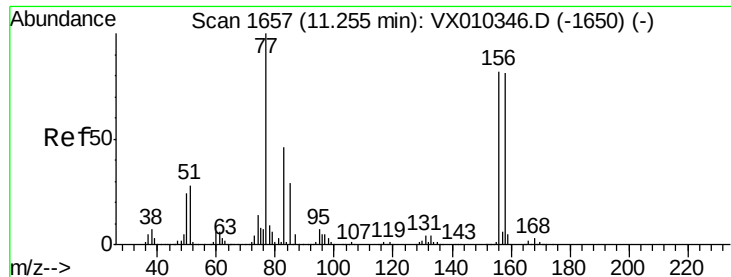
Acq: 27 Jun 2019 23:53

Tgt Ion:	75	Resp:	63603
Ion	Ratio	Lower	Upper
75	100		
77	40.9	22.6	67.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.588 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion:156 Resp: 63640

Ion Ratio Lower Upper

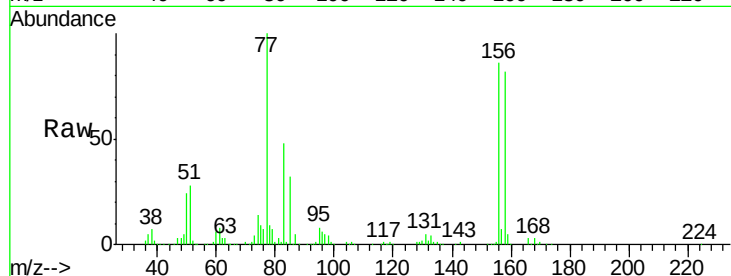
156 100

77 129.2 66.3 198.7

158 96.7 48.9 146.7

Manual Integrations
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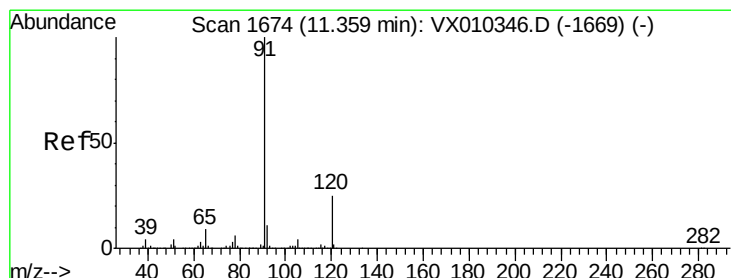
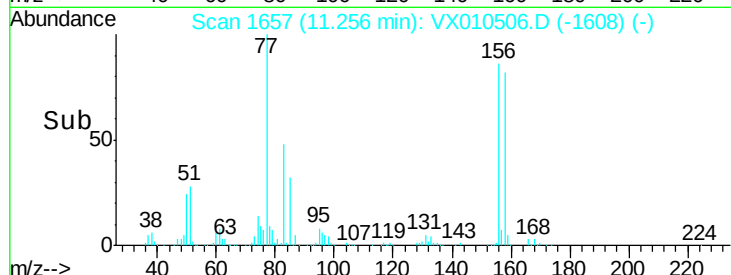
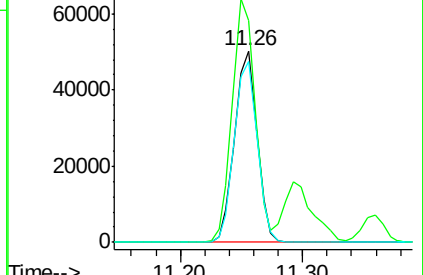
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.340 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010506.D

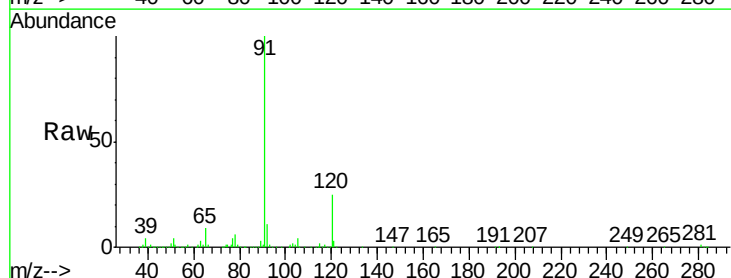
Acq: 27 Jun 2019 23:53

Tgt Ion: 91 Resp: 247316

Ion Ratio Lower Upper

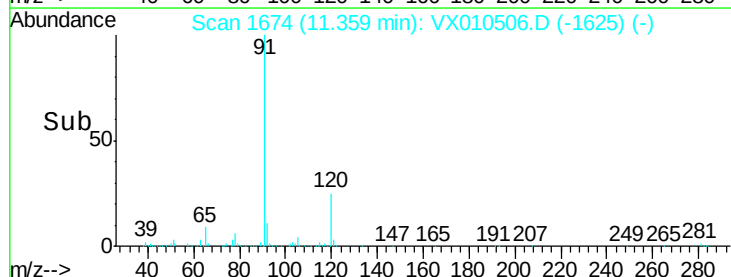
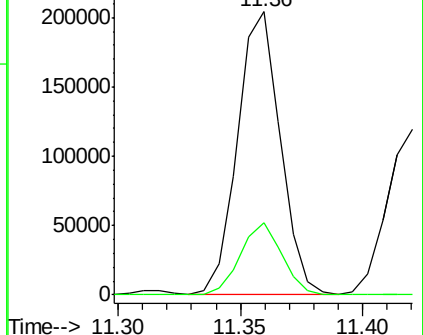
91 100

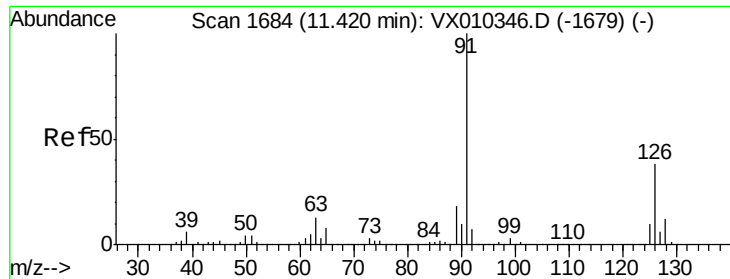
120 24.9 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.303 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

ClientSampleId :

VX0627WBS02

Tot Ion: 91 Resp: 146989

Ion Ratio Lower Upper

91 100

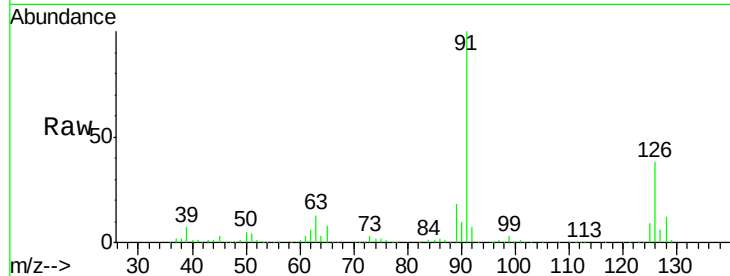
126 37.9 18.7 56.1

Manual Integrations

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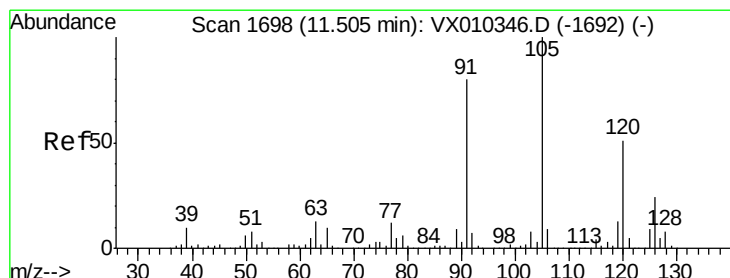
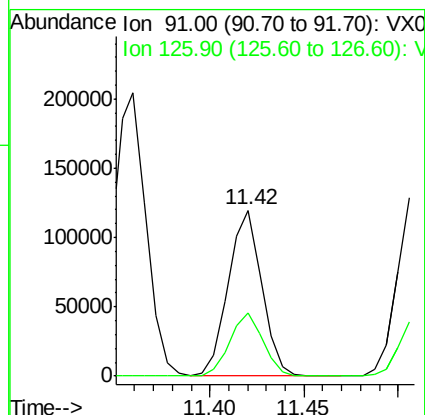
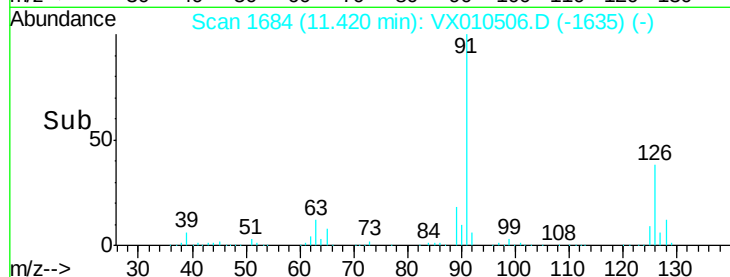
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.570 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010506.D

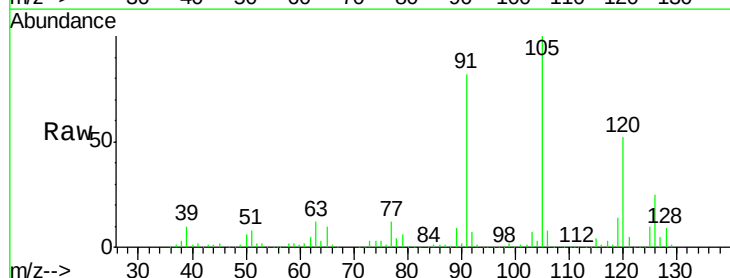
Acq: 27 Jun 2019 23:53

Tgt Ion:105 Resp: 187715

Ion Ratio Lower Upper

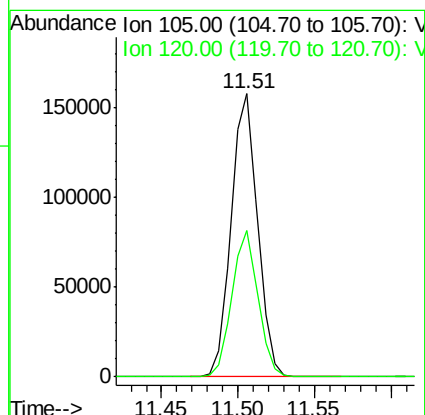
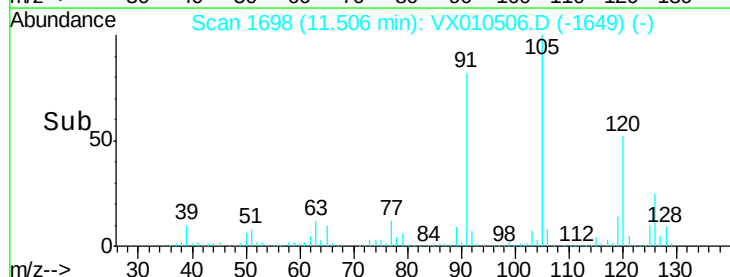
105 100

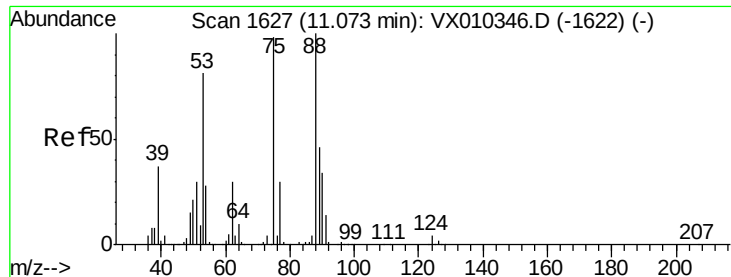
120 51.2 25.2 75.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 14.611 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

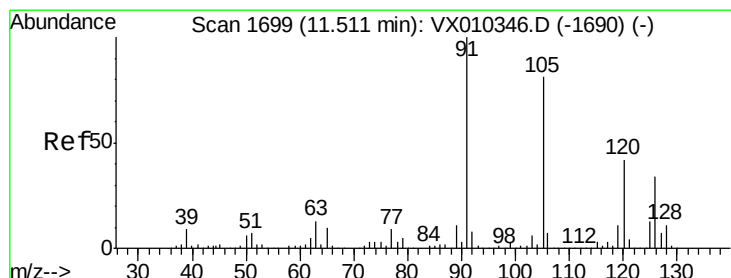
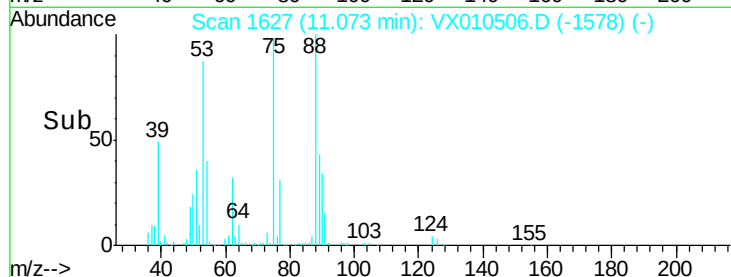
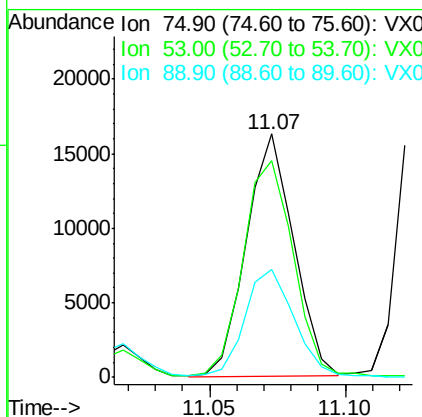
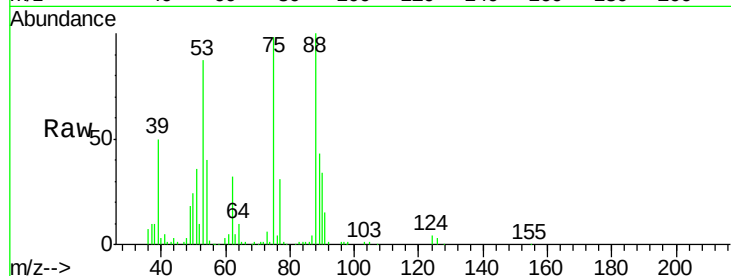
ClientSampleId :

VX0627WBS02

Tot Ion:	75	Resp:	19589
Ion	Ratio	Lower	Upper
75	100		
53	95.2	66.1	99.1
89	47.0	37.8	56.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.391 ug/l

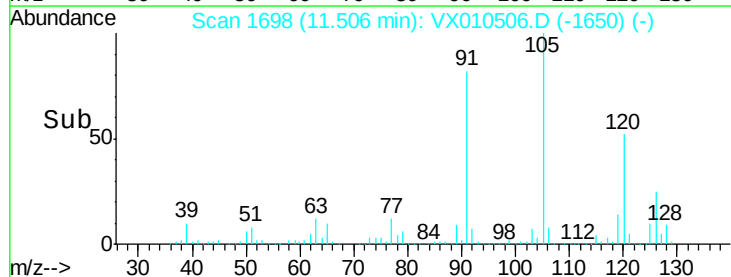
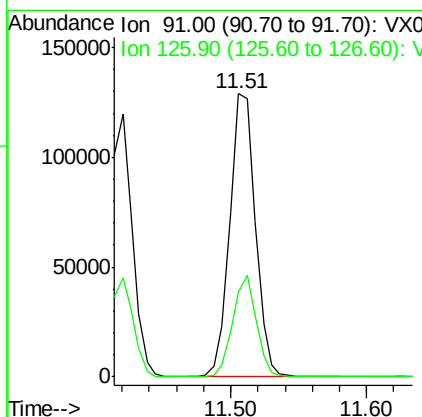
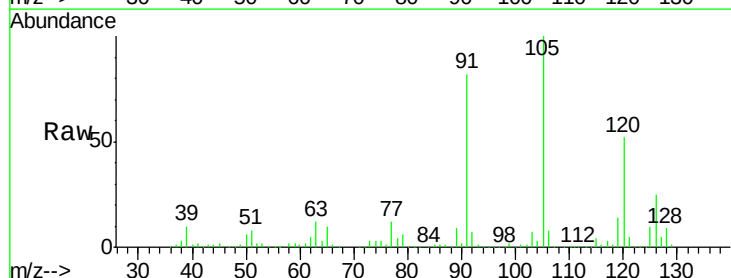
RT: 11.51 min Scan# 1698

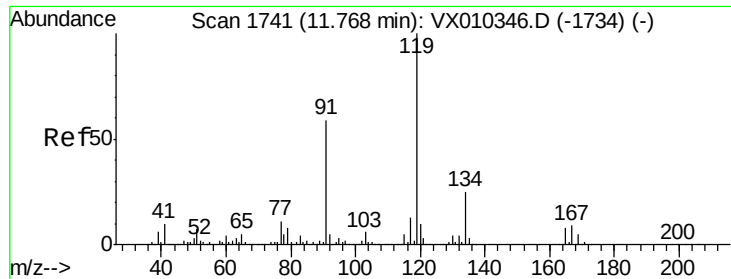
Delta R.T. -0.01 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	91	Resp:	168024
Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.2	48.6





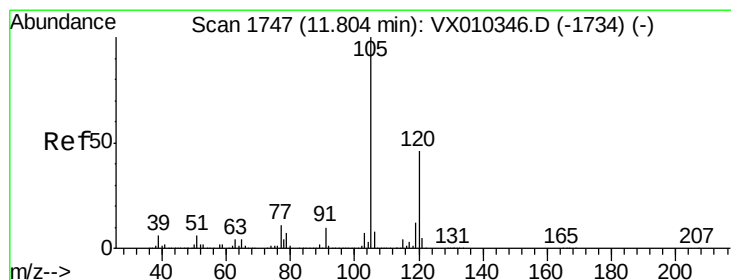
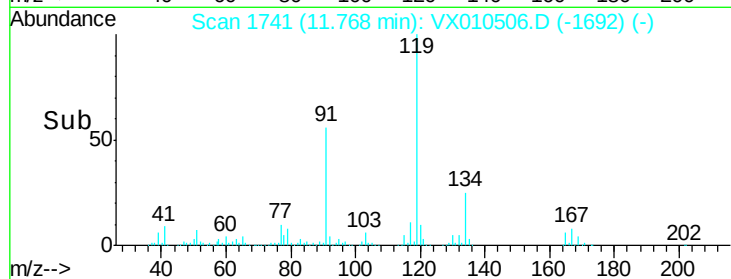
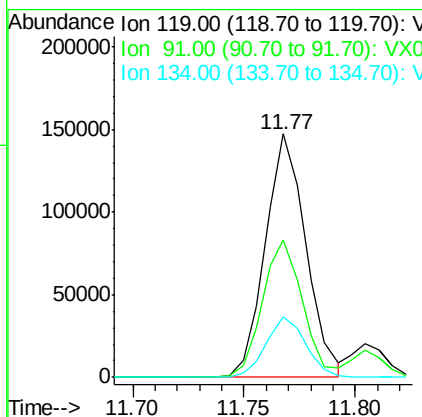
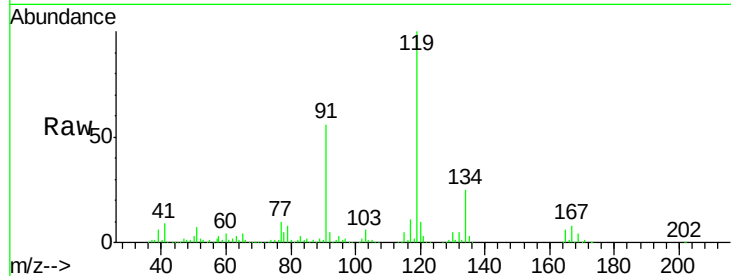
#83
 tert-Butylbenzene
 Concen: 19.382 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	186598		
91	55.9		27.6	82.7
134	24.3		11.8	35.4

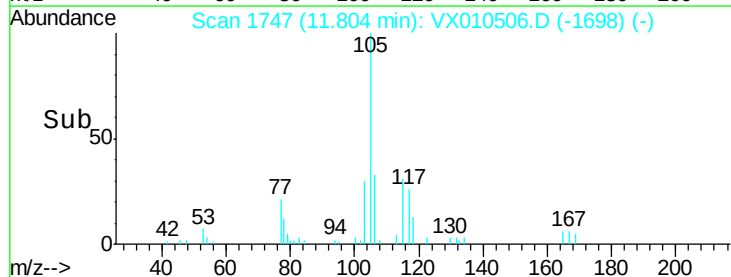
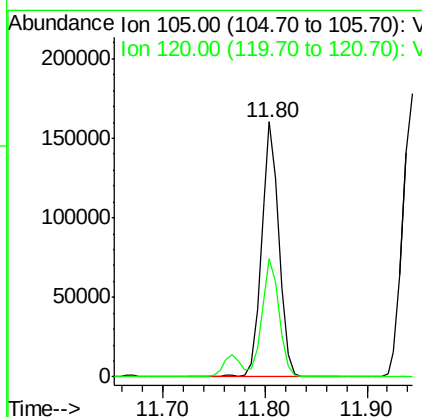
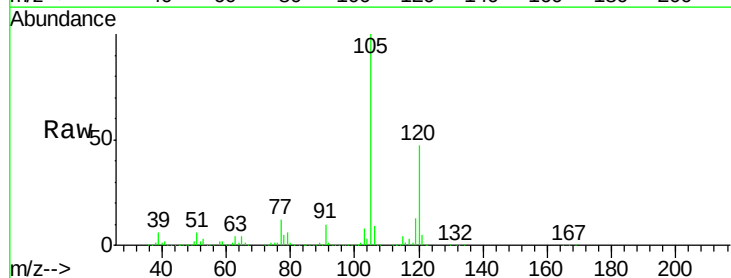
Manual Integrations
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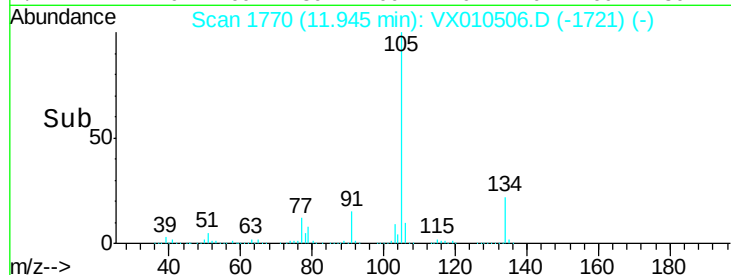
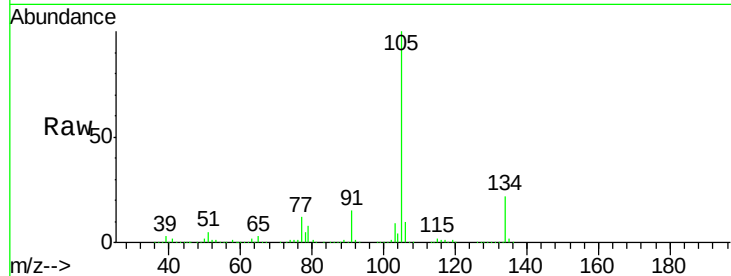
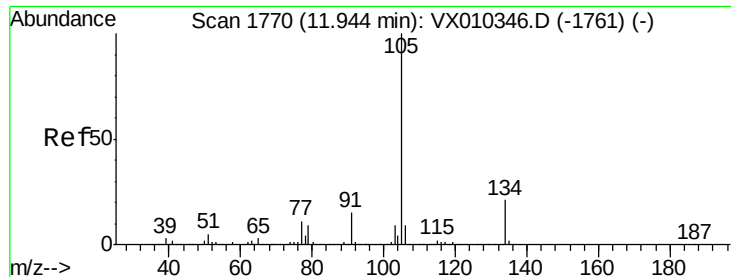
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.864 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	191432		
120	46.2		23.1	69.2





#85

sec-Butylbenzene

Concen: 19.403 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tot Ion:105 Resp: 219333

Ion Ratio Lower Upper

105 100

134 21.7 10.7 31.9

Instrument :

MSVOA_X

ClientSampleId :

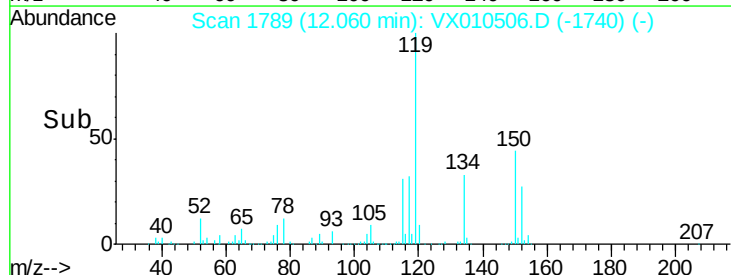
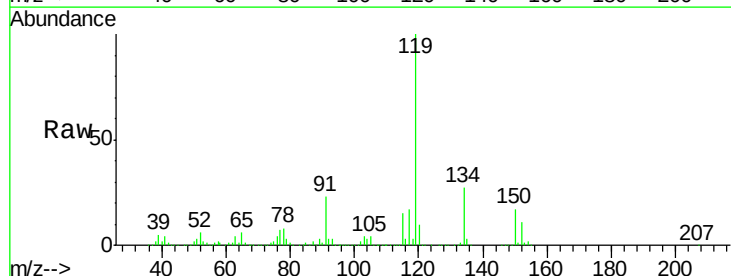
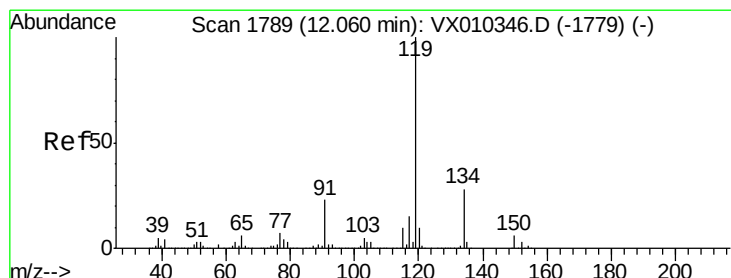
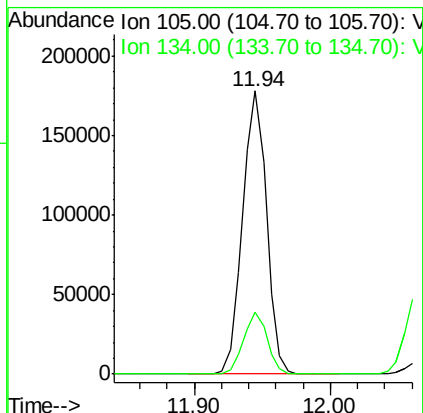
VX0627WBS02

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.144 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

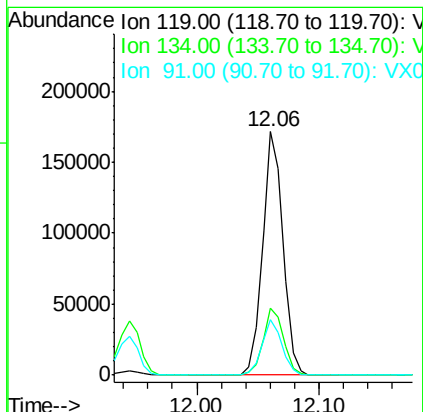
Tgt Ion:119 Resp: 200159

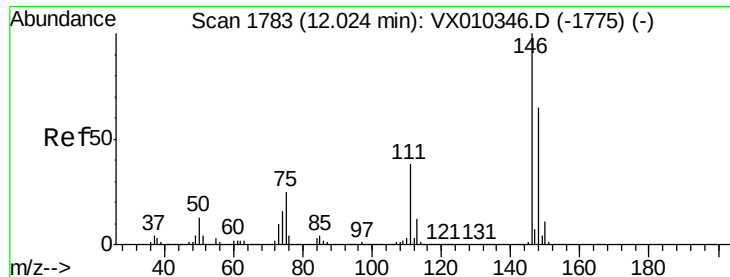
Ion Ratio Lower Upper

119 100

134 27.5 13.7 41.1

91 22.6 11.3 33.8





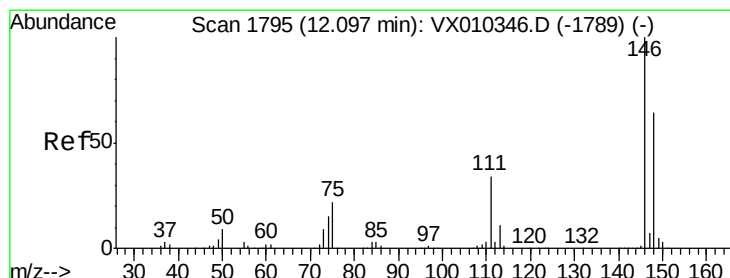
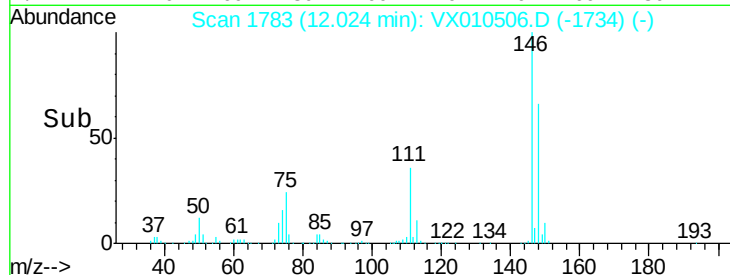
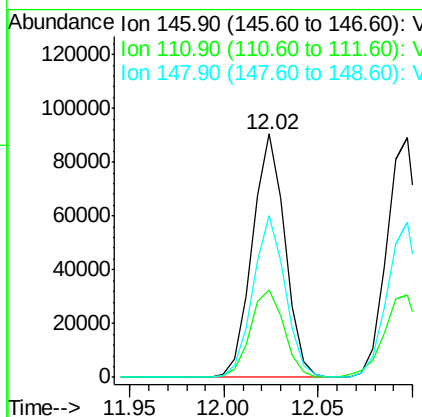
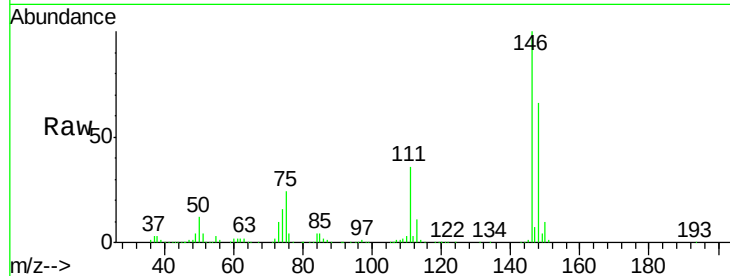
#87
 1,3-Dichlorobenzene
 Concen: 19.162 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	19.1	57.1
148	65.6	32.5	97.4

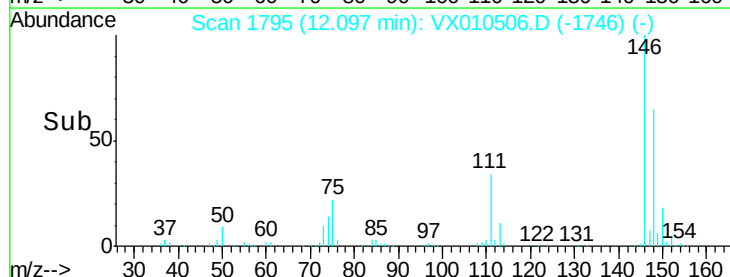
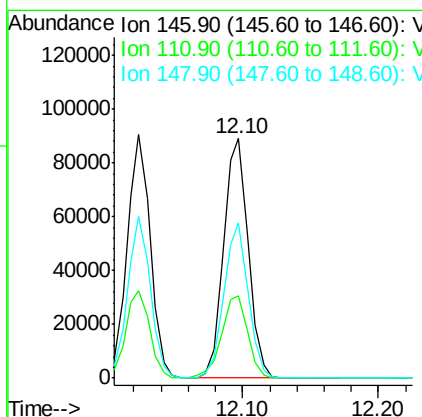
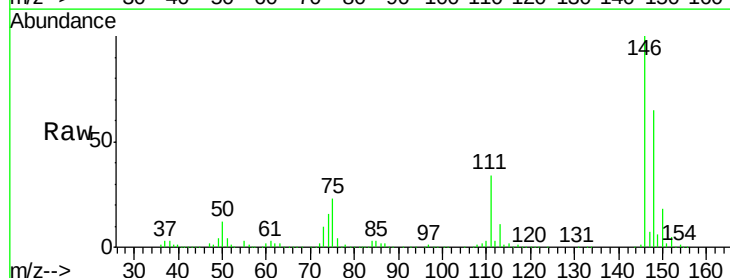
Manual Integrations
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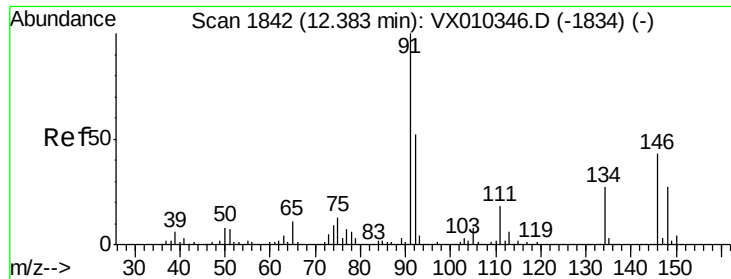
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 6/28/2019 10:36:36 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.242 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.3
148	63.9	32.1	96.3





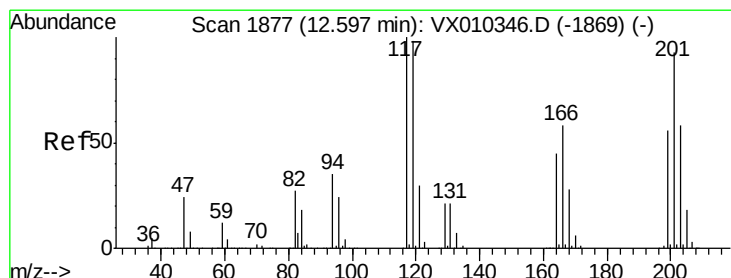
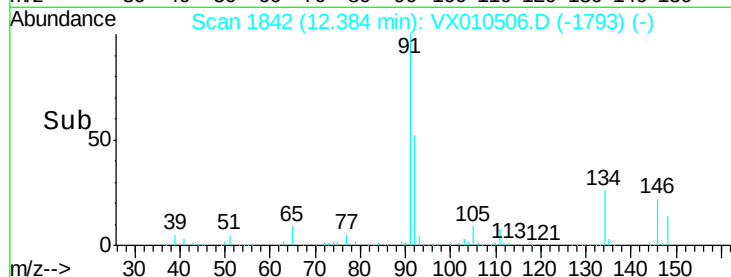
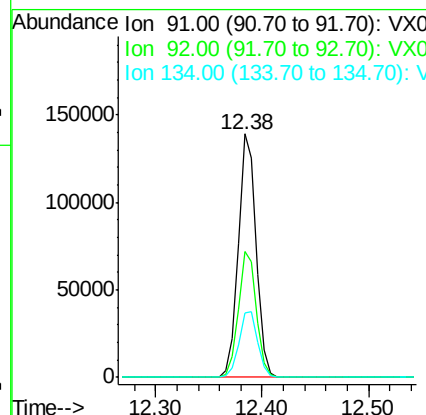
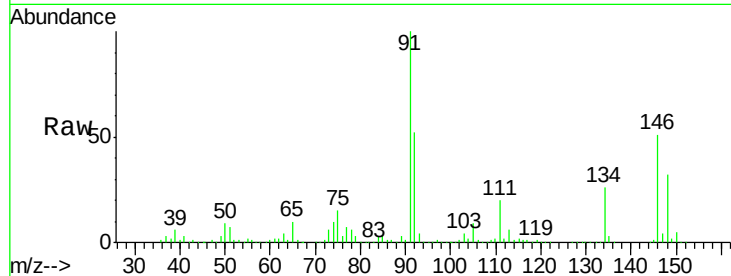
#89
n-Butylbenzene
Concen: 18.402 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Instrument :
MSVOA_X
ClientSampleId :
VX0627WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	28.5	14.1	42.4

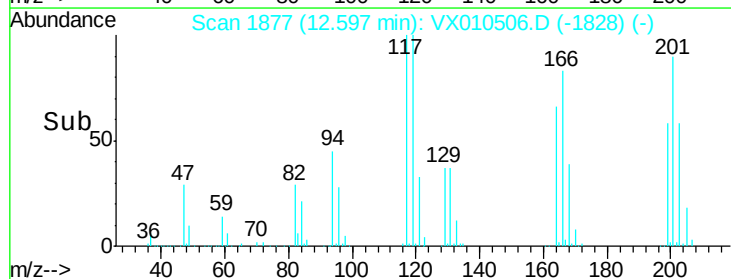
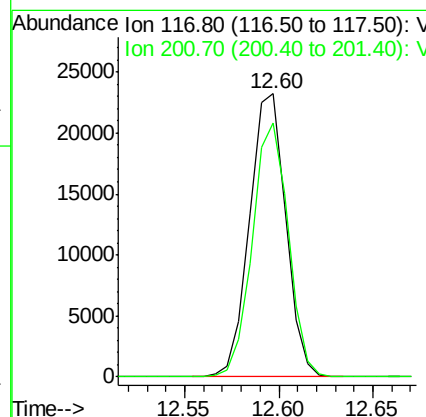
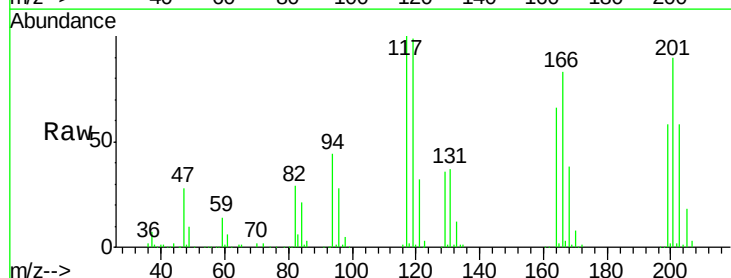
Manual Integrations
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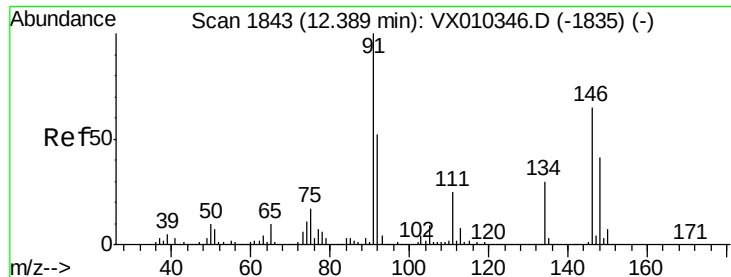
MMDadoda
6/28/2019 10:36:36 AM



#90
Hexachloroethane
Concen: 17.144 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX010506.D
Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	44.0	131.8





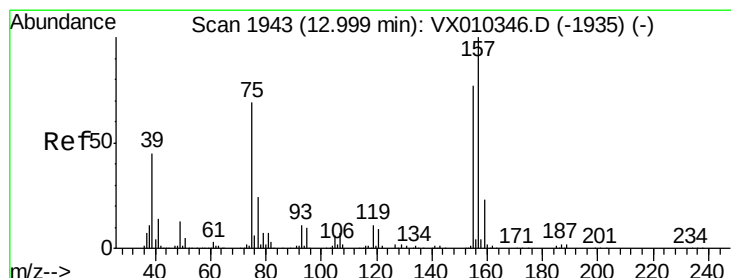
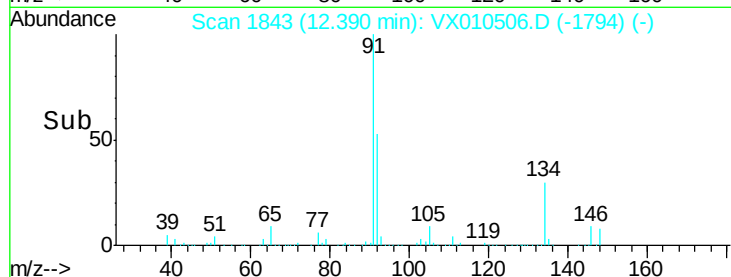
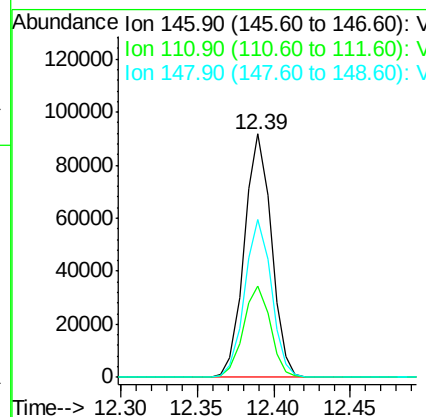
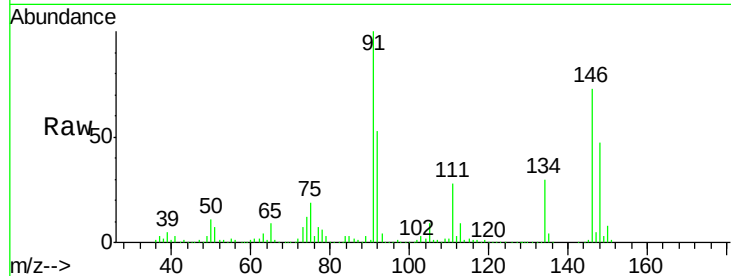
#91
 1,2-Dichlorobenzene
 Concen: 19.978 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	112604		
111	37.7	19.2	57.6	
148	64.0	32.0	96.0	

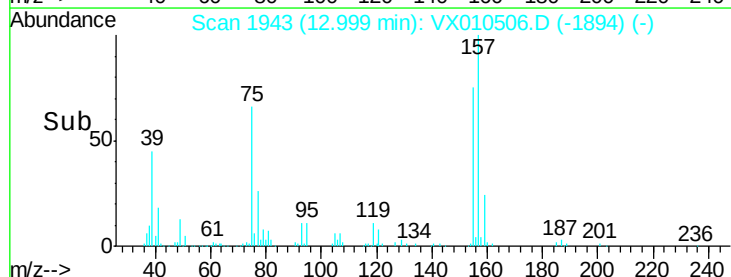
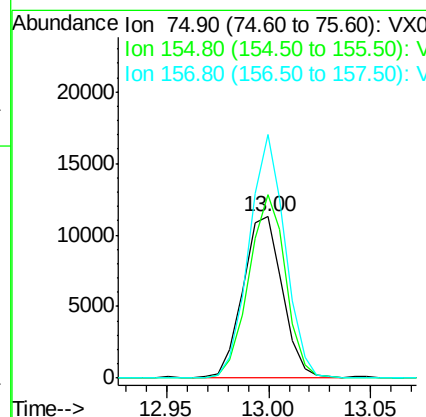
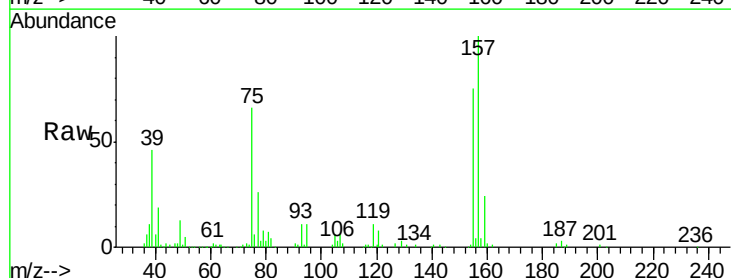
Manual Integrations
 APPROVED

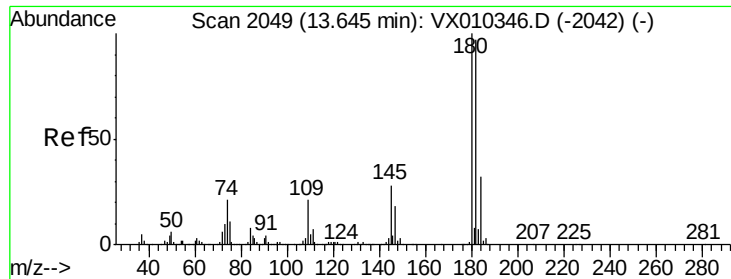
MMDadoda
 6/28/2019 10:36:36 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.231 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15146		
155	106.6	54.4	163.1	
157	137.6	69.5	208.3	





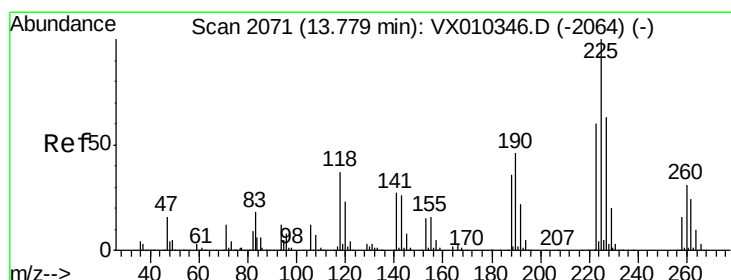
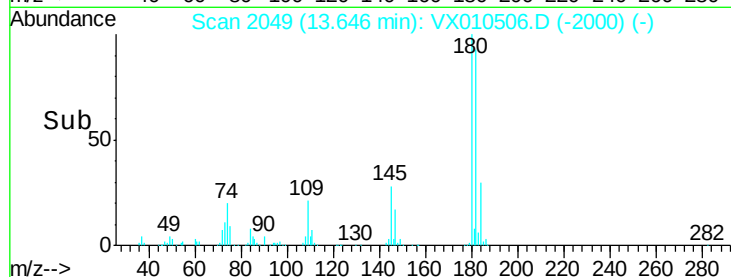
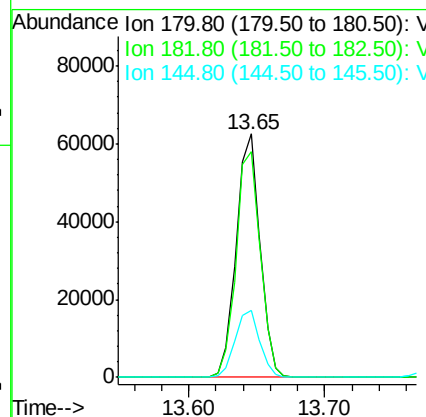
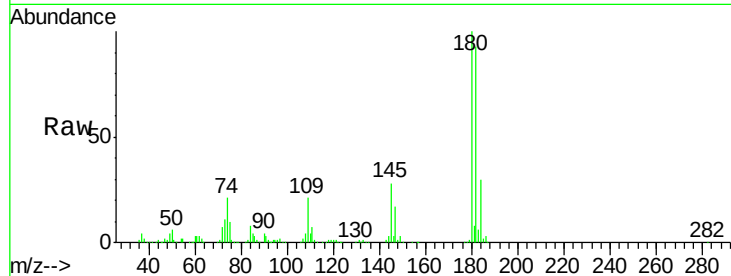
#93
 1,2,4-Trichlorobenzene
 Concen: 19.483 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0627WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	76157		
182	94.6	48.0	144.0	
145	28.5	14.4	43.4	

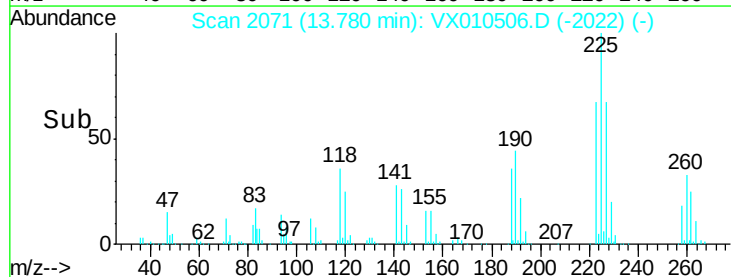
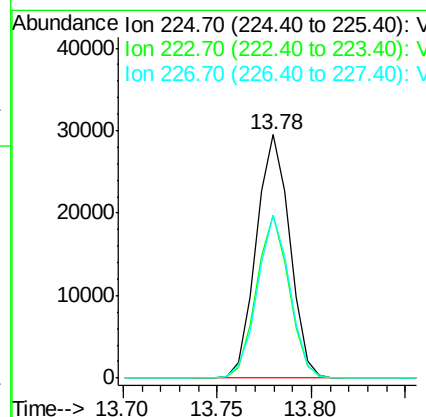
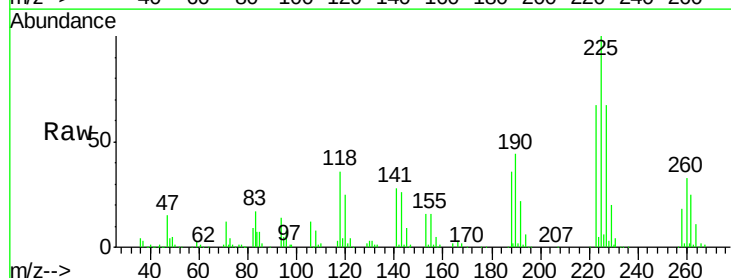
Manual Integrations
 APPROVED

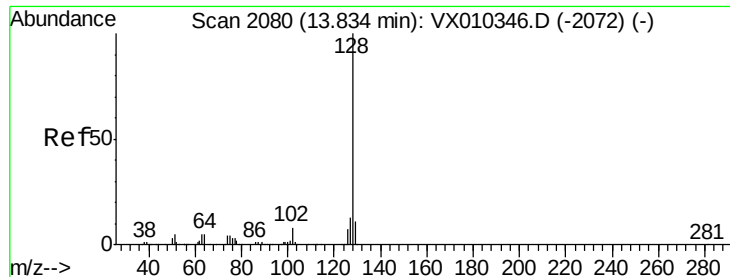
MMDadoda
 6/28/2019 10:36:36 AM



#94
 Hexachlorobutadiene
 Concen: 18.985 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX010506.D
 Acq: 27 Jun 2019 23:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	36269		
223	65.2	30.9	92.7	
227	65.0	31.9	95.5	





#95

Naphthalene

Concen: 20.010 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Instrument :

MSVOA_X

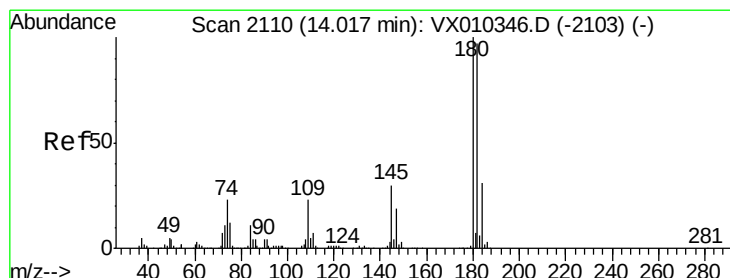
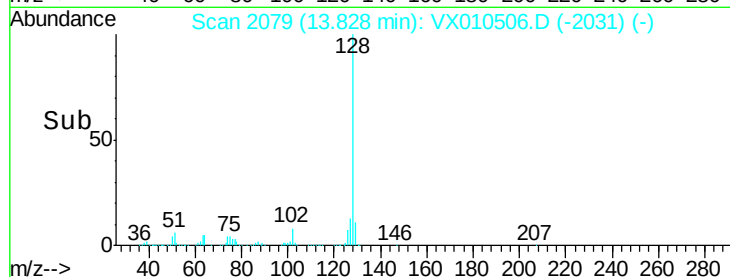
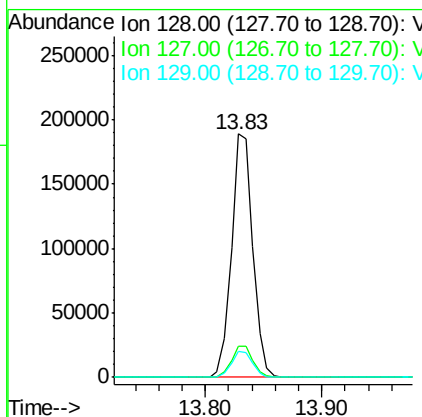
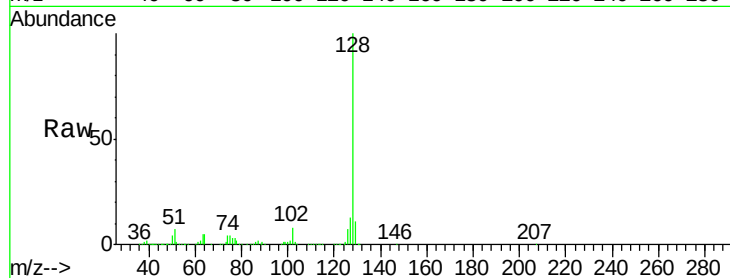
ClientSampleId :

VX0627WBS02

Tot Ion:	128	Resp:	240361
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.4
129	10.8	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
6/28/2019 10:36:36 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.989 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010506.D

Acq: 27 Jun 2019 23:53

Tgt Ion:	180	Resp:	77684
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.8	143.3
145	30.6	15.2	45.6

