

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091619\
 Data File : VY000048.D
 Acq On : 16 Sep 2019 15:54
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:02:20 AM

Quant Time: Sep 17 06:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 06:29:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	112684	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	226383	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	196825	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	84194	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	71493	58.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.80%	
35) Dibromofluoromethane	7.72	113	67440	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
50) Toluene-d8	10.18	98	280630	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
62) 4-Bromofluorobenzene	12.48	95	97826	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	4015	4.832	ug/l 91
3) Chloromethane	2.12	50	9371	6.933	ug/l 92
4) Vinyl Chloride	2.25	62	6366	5.052	ug/l # 86
5) Bromomethane	2.63	94	4405	5.500	ug/l 94
6) Chloroethane	2.78	64	4363	5.201	ug/l # 70
7) Trichlorofluoromethane	3.12	101	8738	5.337	ug/l 95
8) Diethyl Ether	3.53	74	3284	4.881	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	3.90	101	5816	5.220	ug/l 95
10) Methyl Iodide	4.09	142	4680	3.841	ug/l # 52
11) Tert butyl alcohol	4.98	59	3568	23.121	ug/l # 92
12) 1,1-Dichloroethene	3.87	96	5659	5.450	ug/l 87
13) Acrolein	3.74	56	2413	20.843	ug/l 99
14) Allyl chloride	4.48	41	8640	5.359	ug/l 95
15) Acrylonitrile	5.18	53	10765	25.214	ug/l 98
16) Acetone	3.95	43	8766	26.044	ug/l # 86
17) Carbon Disulfide	4.18	76	13330	6.374	ug/l 99
18) Methyl Acetate	4.49	43	5549	5.859	ug/l 99
19) Methyl tert-butyl Ether	5.22	73	15296	4.863	ug/l 99
20) Methylene Chloride	4.71	84	9750	7.267	ug/l 91
21) trans-1,2-Dichloroethene	5.21	96	5763	5.012	ug/l 91
22) Diisopropyl ether	6.12	45	17657	4.961	ug/l # 90
23) Vinyl Acetate	6.06	43	55910	22.706	ug/l 95
24) 1,1-Dichloroethane	6.01	63	9807	4.650	ug/l 94
25) 2-Butanone	7.00	43	13967	25.531	ug/l 98
26) 2,2-Dichloropropane	6.98	77	12824	6.545	ug/l 77
27) cis-1,2-Dichloroethene	6.98	96	7011	4.833	ug/l 79
28) Bromochloromethane	7.33	49	4863	5.020	ug/l # 97
29) Tetrahydrofuran	7.36	42	7679	23.597	ug/l 95
30) Chloroform	7.51	83	10575	4.862	ug/l 90
31) Cyclohexane	7.79	56	11160	6.348	ug/l # 67
32) 1,1,1-Trichloroethane	7.71	97	8595	4.817	ug/l 97
36) 1,1-Dichloropropene	7.92	75	9550	5.746	ug/l 90
37) Ethyl Acetate	7.08	43	5063	4.517	ug/l # 87
38) Carbon Tetrachloride	7.90	117	7269	4.633	ug/l 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	10509	5.117	ug/l	89
40) Benzene	8.16	78	25231	4.663	ug/l	97
41) Methacrylonitrile	7.32	41	3354	5.143	ug/l #	79
42) 1,2-Dichloroethane	8.23	62	6620	4.787	ug/l	96
43) Isopropyl Acetate	8.27	43	9842	4.531	ug/l	97
44) Trichloroethene	8.94	130	6519	4.825	ug/l	81
45) 1,2-Dichloropropane	9.22	63	6627	4.749	ug/l #	84
46) Dibromomethane	9.31	93	3534	4.564	ug/l	92
47) Bromodichloromethane	9.50	83	8260	4.468	ug/l	86
48) Methyl methacrylate	9.30	41	4091	4.268	ug/l	90
49) 1,4-Dioxane	9.29	88	1224	75.473	ug/l #	69
51) 4-Methyl-2-Pentanone	10.07	43	27628	22.701	ug/l	99
52) Toluene	10.24	92	15908	4.678	ug/l	96
53) t-1,3-Dichloropropene	10.46	75	9035	4.648	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	10132	4.480	ug/l #	87
55) 1,1,2-Trichloroethane	10.65	97	5292	4.312	ug/l	95
56) Ethyl methacrylate	10.51	69	7722	4.484	ug/l	97
57) 1,3-Dichloropropane	10.79	76	8857	4.513	ug/l #	85
58) 2-Chloroethyl Vinyl ether	9.78	63	20697	21.938	ug/l	98
59) 2-Hexanone	10.83	43	17944	20.460	ug/l	96
60) Dibromochloromethane	10.98	129	5664	4.380	ug/l	99
61) 1,2-Dibromoethane	11.09	107	5114	4.718	ug/l	95
64) Tetrachloroethene	10.71	164	5685	4.710	ug/l #	79
65) Chlorobenzene	11.51	112	16486	4.396	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.59	131	5656	4.352	ug/l	94
67) Ethyl Benzene	11.59	91	29312	4.302	ug/l	99
68) m/p-Xylenes	11.70	106	22791	8.864	ug/l	100
69) o-Xylene	12.02	106	11131	4.417	ug/l	98
70) Styrene	12.04	104	18952	4.323	ug/l	98
71) Bromoform	12.21	173	3192	4.068	ug/l #	85
73) Isopropylbenzene	12.32	105	28299	4.399	ug/l	98
74) N-amyl acetate	12.14	43	8313	4.378	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	7093	4.612	ug/l	95
76) 1,2,3-Trichloropropane	12.63	75	4091m	3.498	ug/l	
77) Bromobenzene	12.60	156	5989	4.401	ug/l	90
78) n-propylbenzene	12.67	91	34983	4.450	ug/l	100
79) 2-Chlorotoluene	12.75	91	20121	4.577	ug/l	98
80) 1,3,5-Trimethylbenzene	12.80	105	23681	4.409	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	2844	4.824	ug/l	86
82) 4-Chlorotoluene	12.85	91	19793	4.290	ug/l	99
83) tert-Butylbenzene	13.07	119	20521	4.446	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	23809	4.487	ug/l	99
85) sec-Butylbenzene	13.25	105	31308	4.597	ug/l	99
86) p-Isopropyltoluene	13.37	119	24769	4.287	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	11758	4.293	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	12238	4.440	ug/l	92
89) n-Butylbenzene	13.69	91	25707	4.390	ug/l	98
90) Hexachloroethane	13.95	117	5012	4.341	ug/l	91
91) 1,2-Dichlorobenzene	13.74	146	11475	4.502	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1501	5.019	ug/l	93

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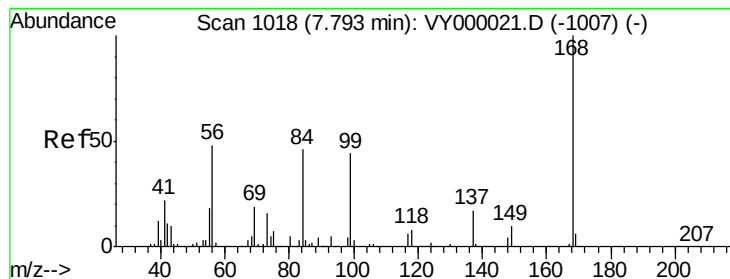
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APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	6296	3.871	ug/l	93
94) Hexachlorobutadiene	15.10	225	3030	4.062	ug/l	87
95) Naphthalene	15.22	128	17860	4.014	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.41	180	6465	4.428	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion:168 Resp: 112684

Ion Ratio Lower Upper

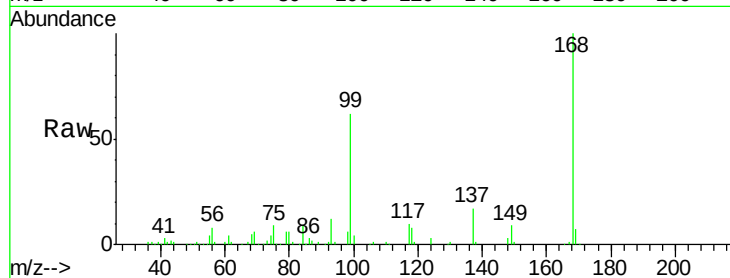
168 100

99 62.4 46.3 69.5

Manual Integrations
APPROVED

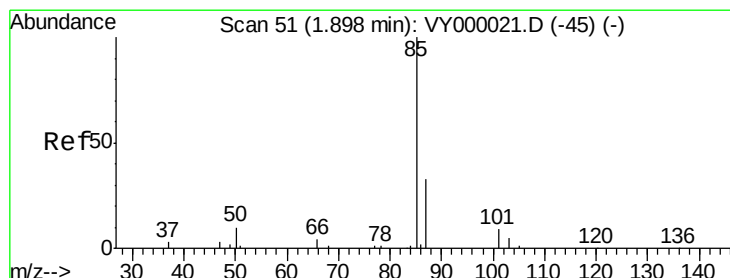
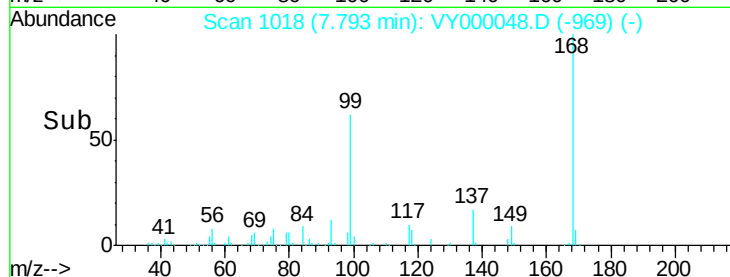
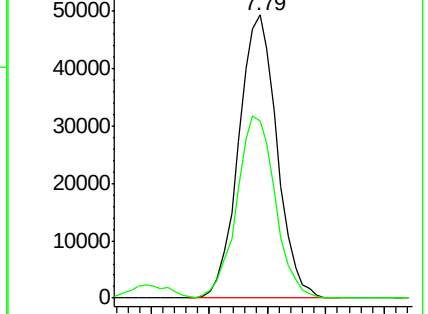
MMDadoda

9/20/2019 1:02:20 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000048.D (-969) (-)

Ion 98.90 (98.60 to 99.60): VY000048.D (-969) (-)



#2

Dichlorodifluoromethane

Concen: 4.832 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000048.D

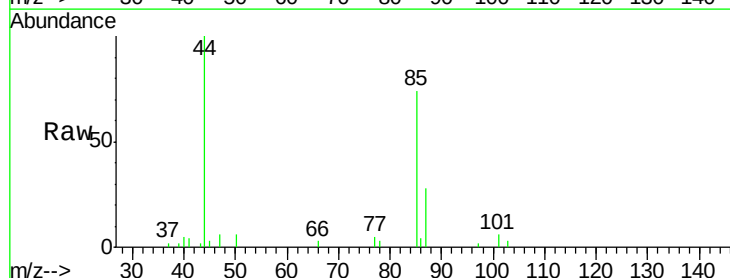
Acq: 16 Sep 2019 15:54

Tgt Ion: 85 Resp: 4015

Ion Ratio Lower Upper

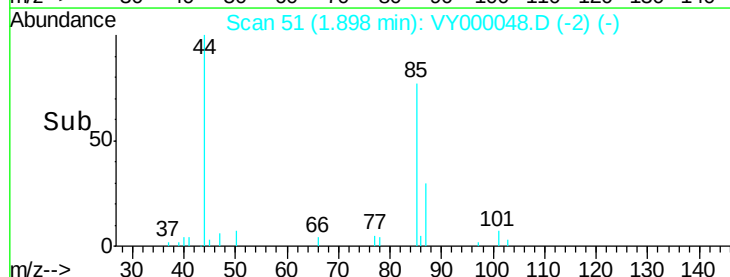
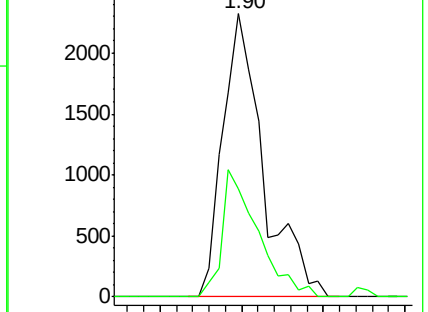
85 100

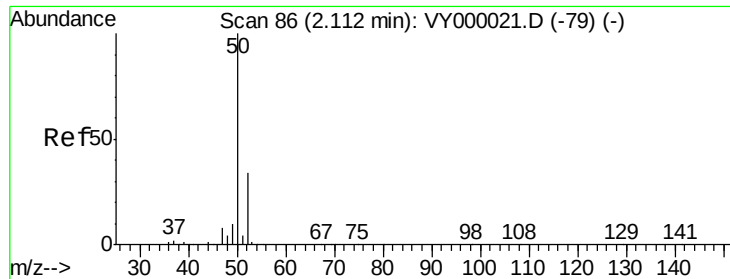
87 38.2 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY000048.D (-2) (-)

Ion 86.90 (86.60 to 87.60): VY000048.D (-2) (-)





#3

Chloromethane

Concen: 6.933 ug/l

RT: 2.12 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 50 Resp: 9371

Ion Ratio Lower Upper

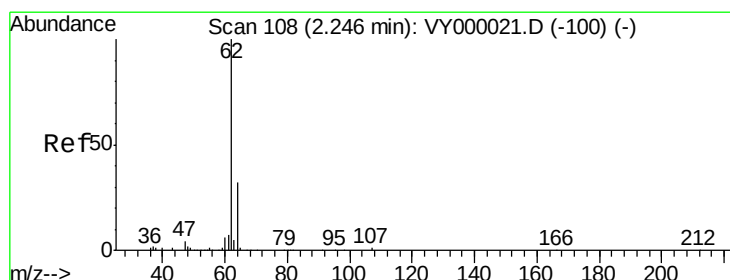
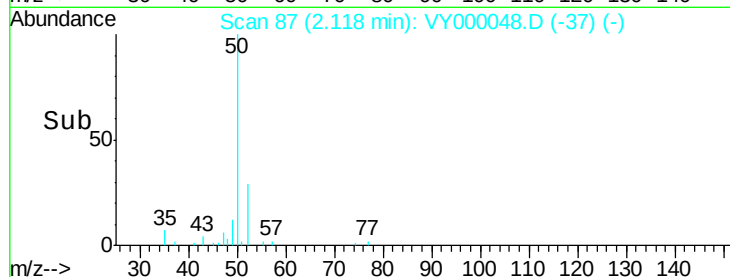
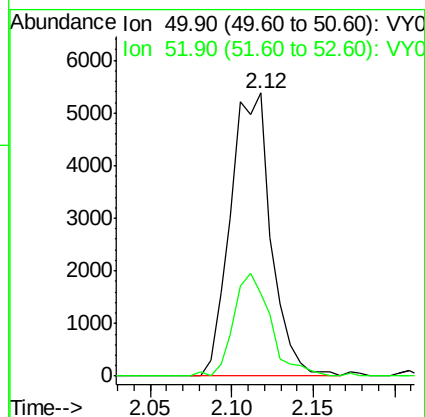
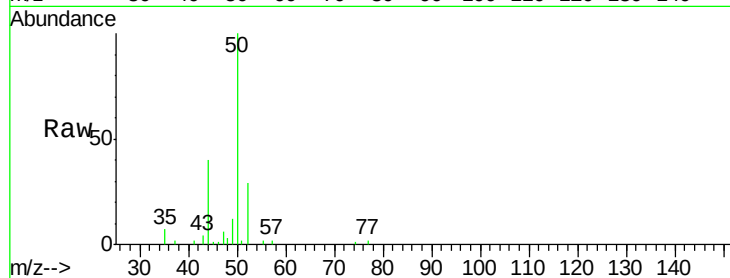
50 100

52 29.0 27.0 40.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.052 ug/l

RT: 2.25 min Scan# 108

Delta R.T. -0.00 min

Lab File: VY000048.D

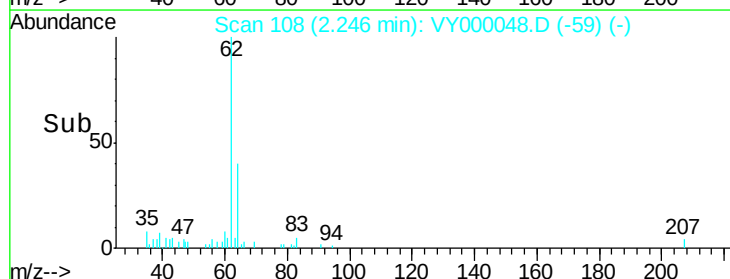
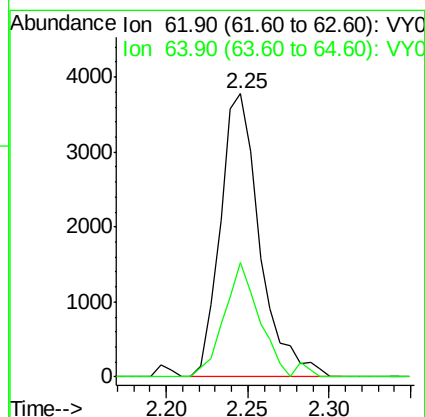
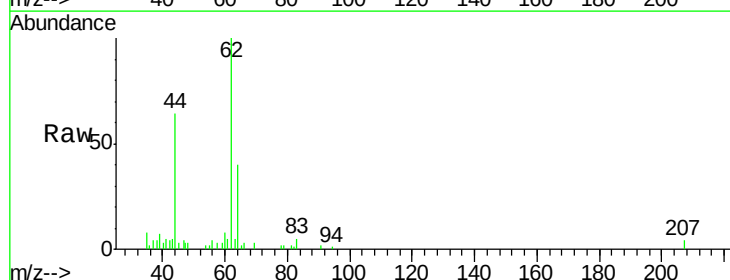
Acq: 16 Sep 2019 15:54

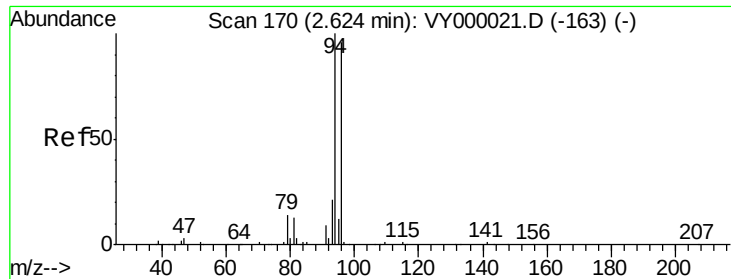
Tgt Ion: 62 Resp: 6366

Ion Ratio Lower Upper

62 100

64 40.4 26.1 39.1#





#5

Bromomethane

Concen: 5.500 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 94 Resp: 4405

Ion Ratio Lower Upper

94 100

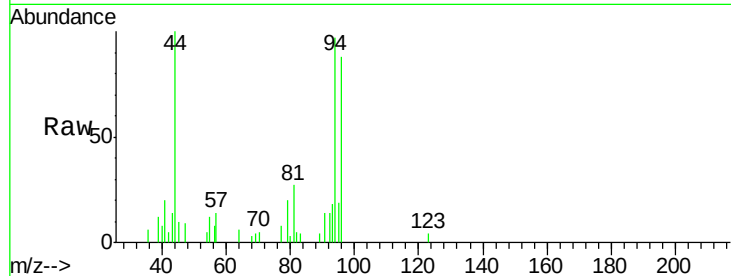
96 90.2 76.8 115.2

Manual Integrations

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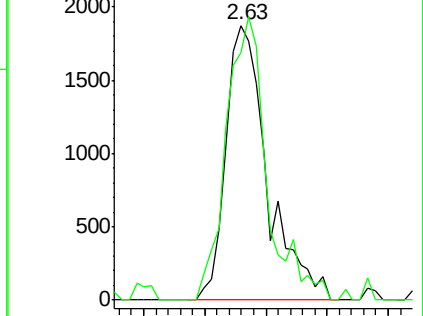
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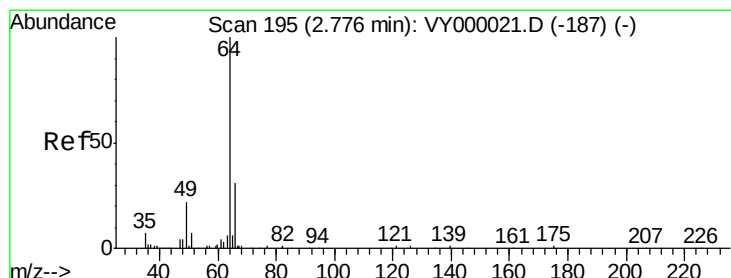
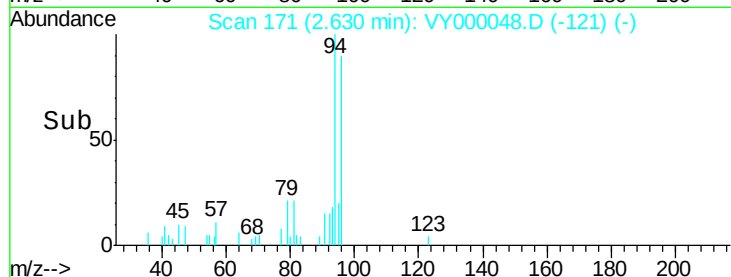


Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



Time-->



#6

Chloroethane

Concen: 5.201 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000048.D

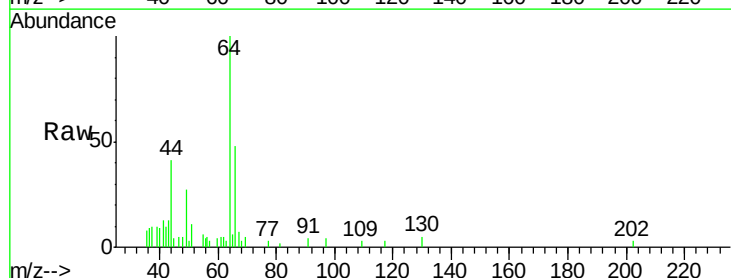
Acq: 16 Sep 2019 15:54

Tgt Ion: 64 Resp: 4363

Ion Ratio Lower Upper

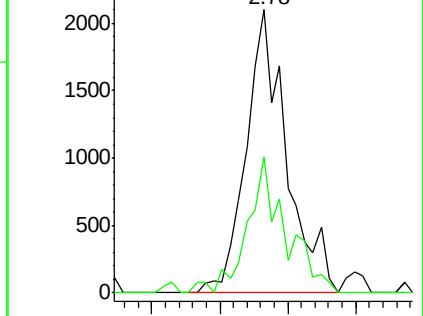
64 100

66 48.0 25.0 37.6#

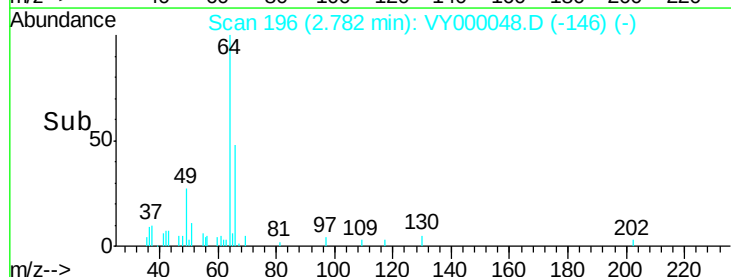


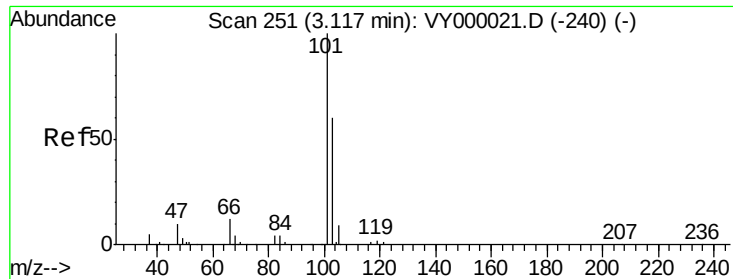
Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



Time-->





#7

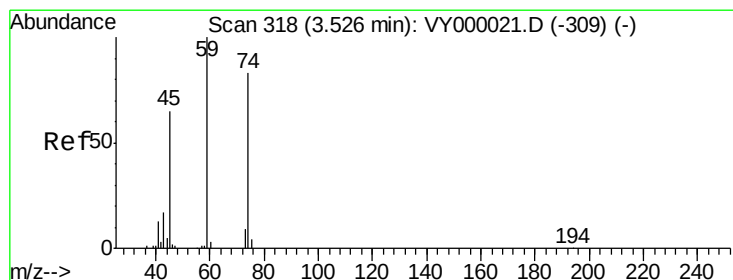
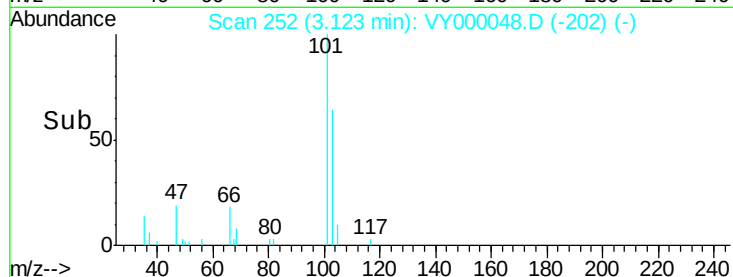
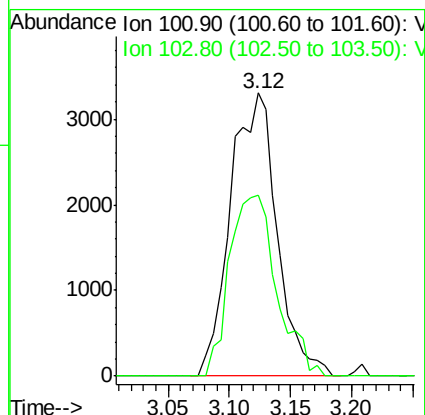
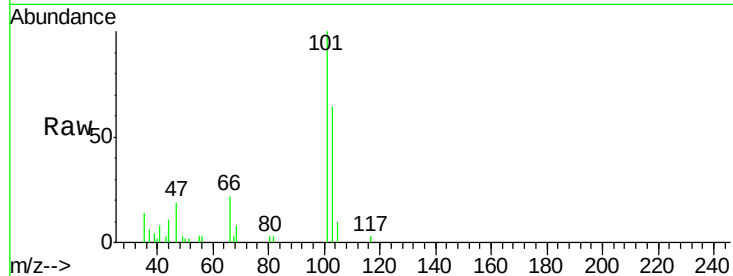
Trichlorofluoromethane
 Concen: 5.337 ug/l
 RT: 3.12 min Scan# 252
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	101	100	8738		
103	103	63.9		48.1	72.1

Manual Integrations
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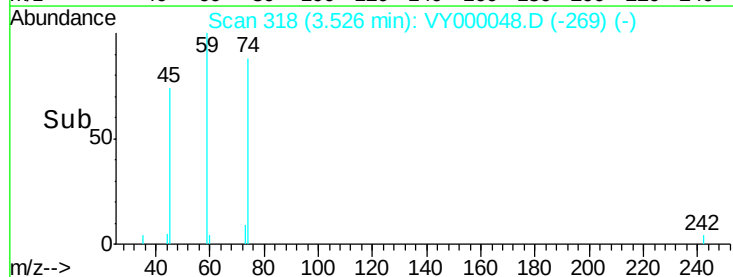
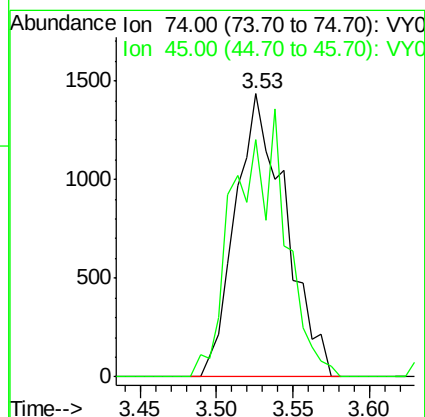
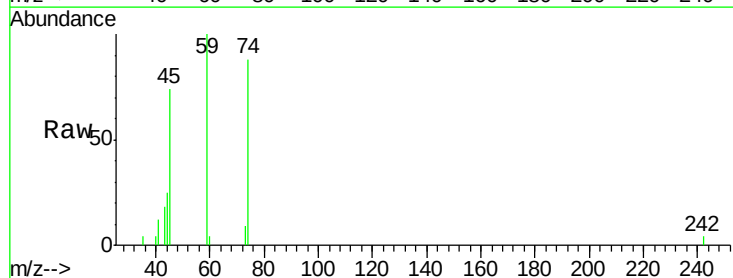
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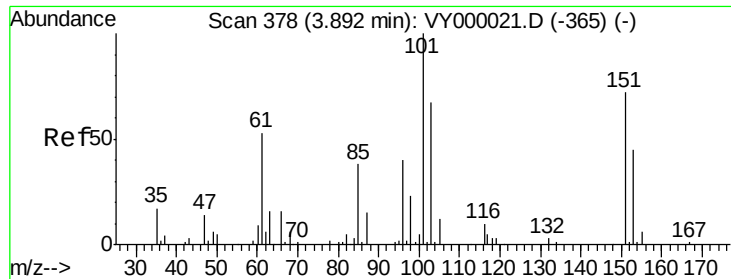


#8

Diethyl Ether
 Concen: 4.881 ug/l
 RT: 3.53 min Scan# 318
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	74	100	3284		
45	45	95.1		41.9	125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.220 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

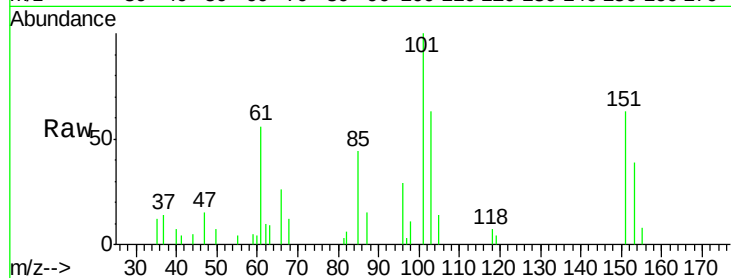
ClientSampled :

MDL3

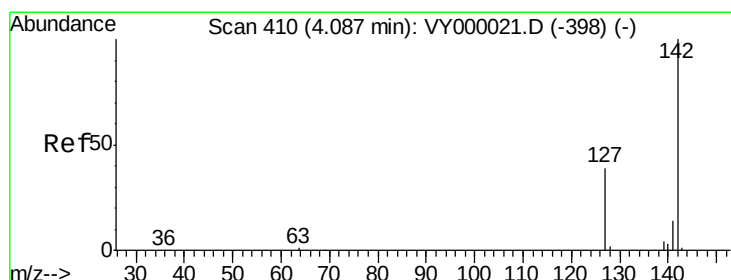
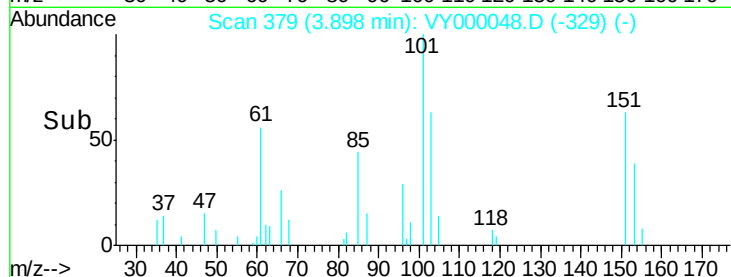
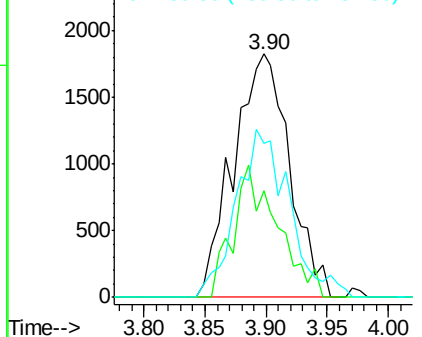
Tot Ion:	101	Resp:	5816
Ion Ratio	Lower	Upper	
101	100		
85	43.0	35.3	52.9
151	64.8	55.9	83.9

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.841 ug/l

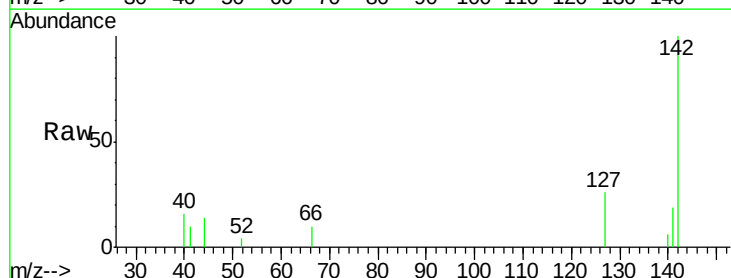
RT: 4.09 min Scan# 411

Delta R.T. 0.01 min

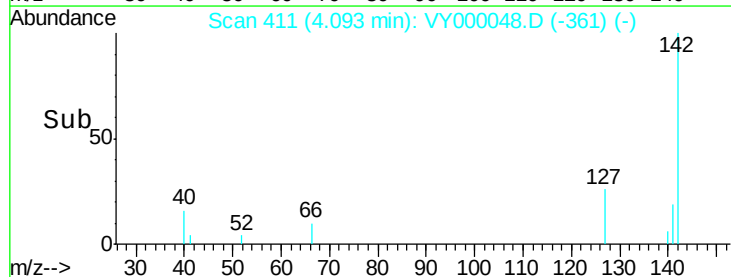
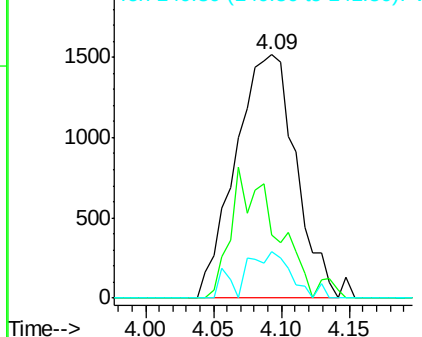
Lab File: VY000048.D

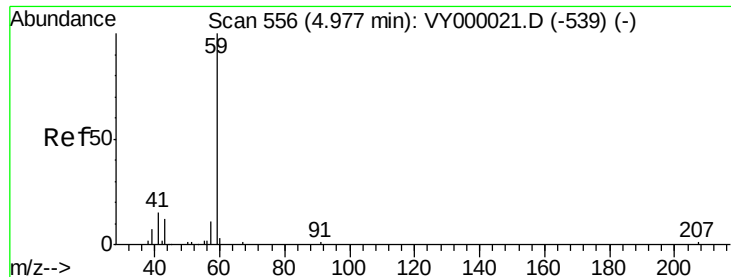
Acq: 16 Sep 2019 15:54

Tgt Ion:	142	Resp:	4680
Ion Ratio	Lower	Upper	
142	100		
127	0.0	31.4	47.2#
141	12.4	10.6	16.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

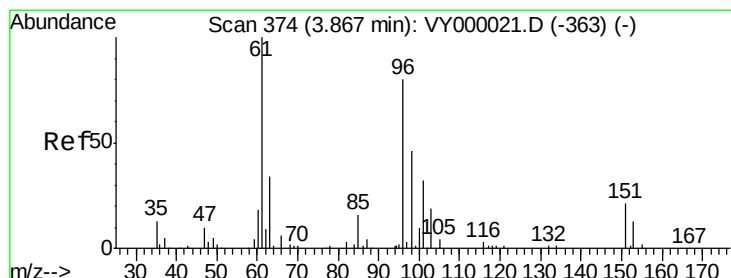
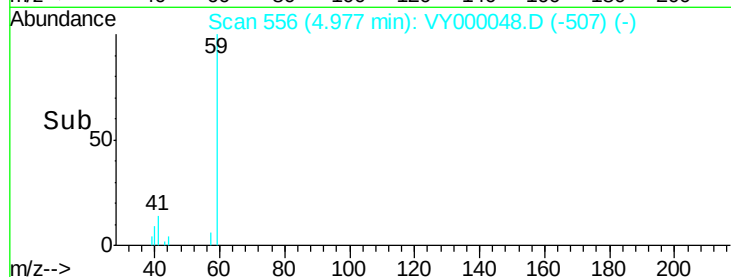
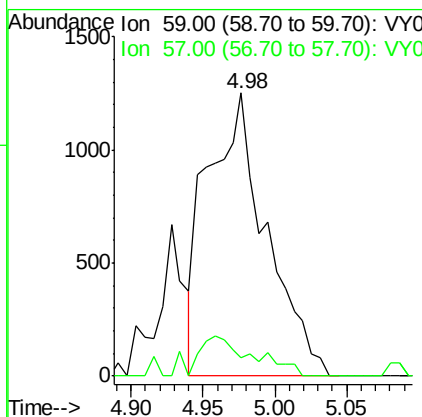
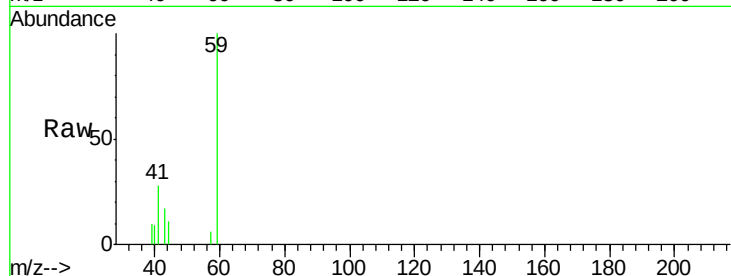
Tert butyl alcohol
Concen: 23.121 ug/l
RT: 4.98 min Scan# 556
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100			
57	57	13.5		8.3	12.5#

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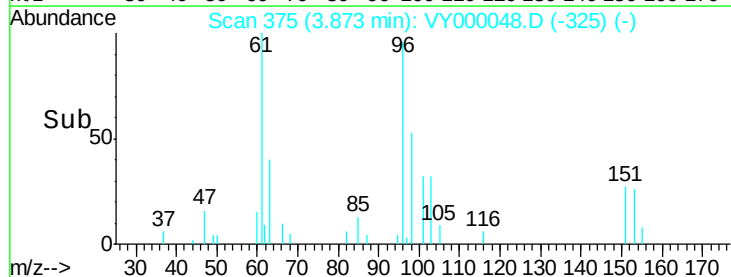
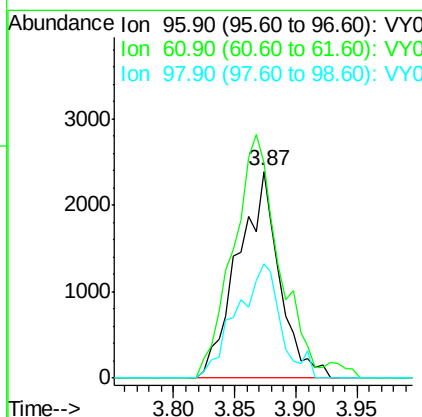
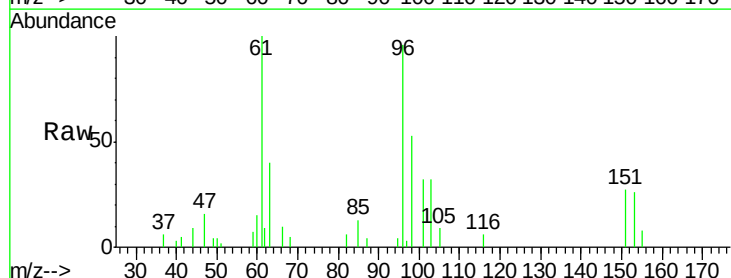
MMDadoda
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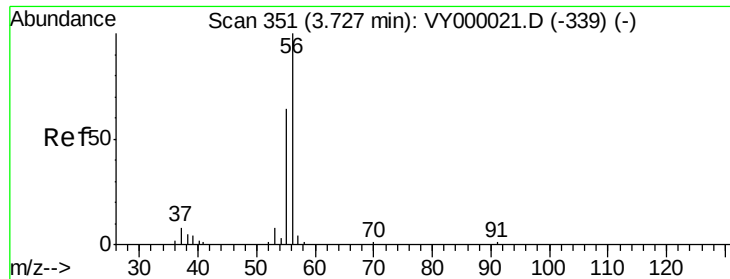


#12

1,1-Dichloroethene
Concen: 5.450 ug/l
RT: 3.87 min Scan# 375
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100			
61	61	104.4		99.8	149.6
98	98	55.4		46.3	69.5





#13

Acrolein

Concen: 20.843 ug/l

RT: 3.74 min Scan# 353

Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tot Ion: 56 Resp: 2413

Ion Ratio Lower Upper

56 100

55 72.1 56.7 85.1

Instrument :

MSVOA_Y

ClientSampled :

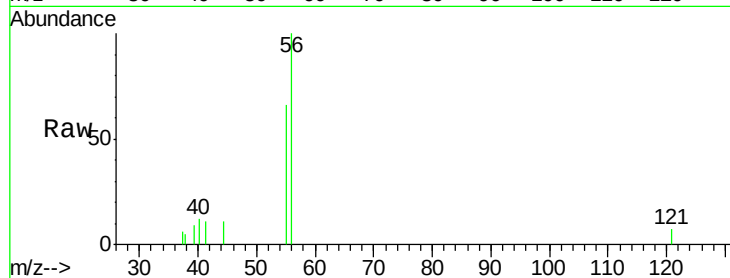
MDL3

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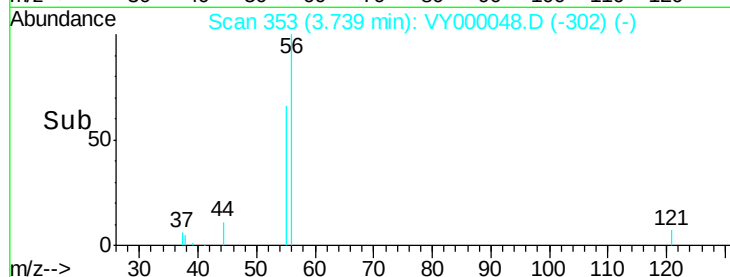


Abundance Ion 56.00 (55.70 to 56.70): VY000021.D (-339) (-)

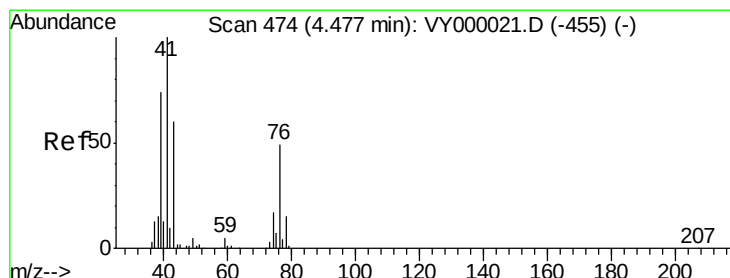
Ion 55.00 (54.70 to 55.70): VY000048.D (-302) (-)

3.74

3.70 3.75 3.80



Time-->



#14

Allyl chloride

Concen: 5.359 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

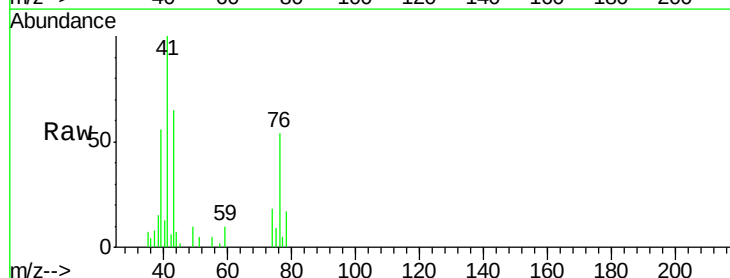
Tgt Ion: 41 Resp: 8640

Ion Ratio Lower Upper

41 100

39 65.0 53.1 79.7

76 37.9 34.9 52.3



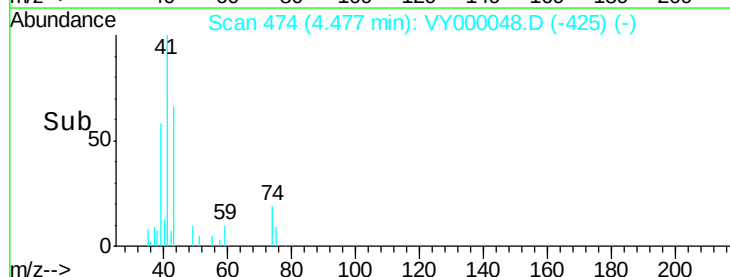
Abundance Ion 41.00 (40.70 to 41.70): VY000021.D (-455) (-)

Ion 39.00 (38.70 to 39.70): VY000048.D (-425) (-)

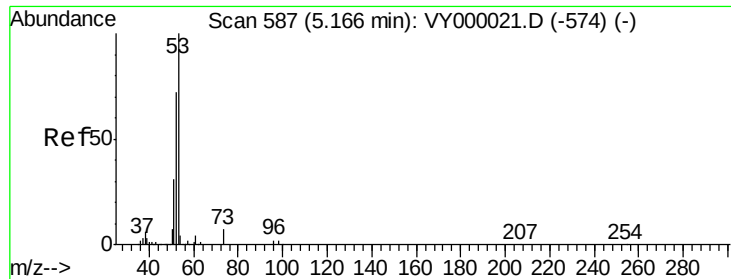
Ion 75.90 (75.60 to 76.60): VY000048.D (-425) (-)

4.48

4.30 4.40 4.50 4.60



Time-->



#15

Acrylonitrile

Concen: 25.214 ug/l

RT: 5.18 min Scan# 590

Delta R.T. 0.02 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

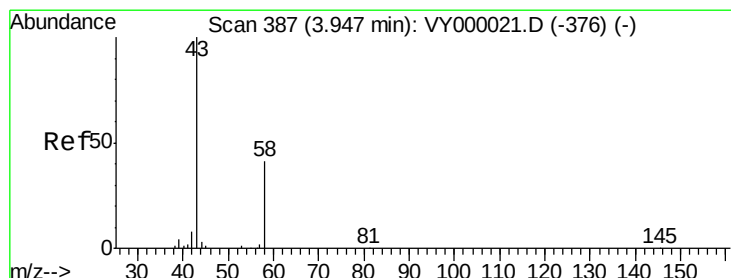
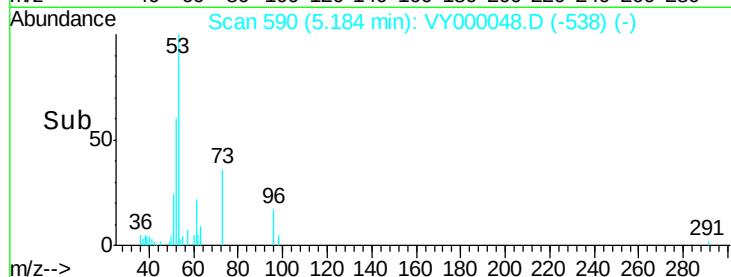
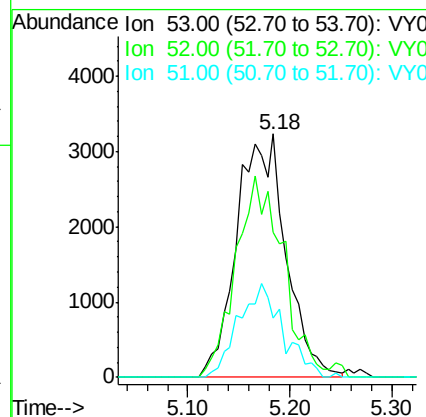
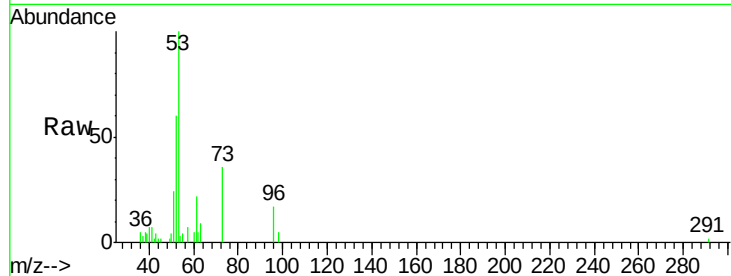
ClientSampleId :

MDL3

Tot Ion:	53	Resp:	10765
Ion Ratio	Lower	Upper	
53	100		
52	79.6	62.8	94.2
51	34.6	26.6	40.0

Manual Integrations
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#16

Acetone

Concen: 26.044 ug/l

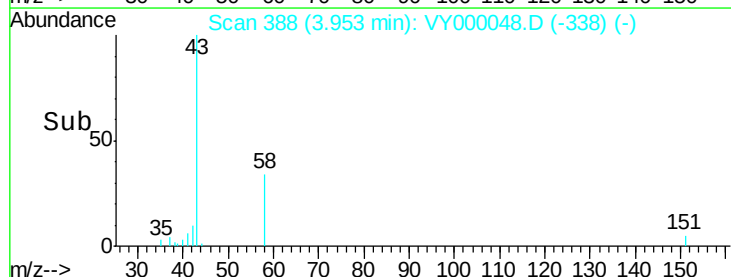
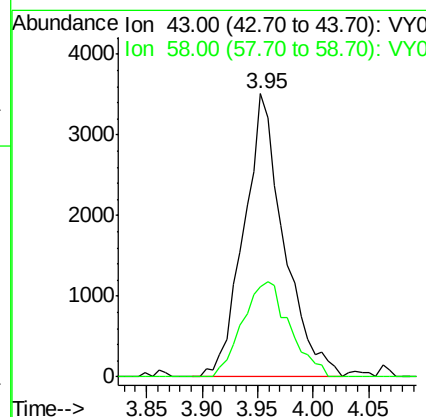
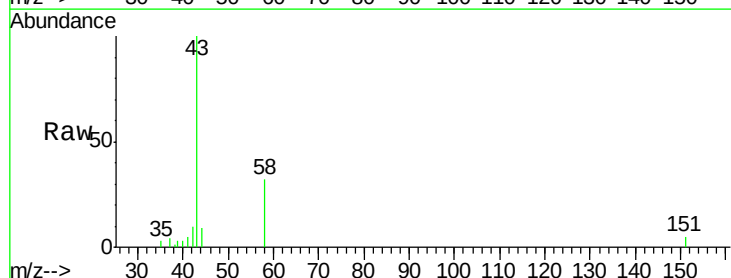
RT: 3.95 min Scan# 388

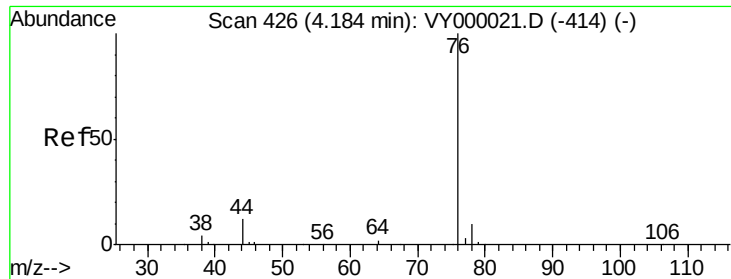
Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tgt Ion:	43	Resp:	8766
Ion Ratio	Lower	Upper	
43	100		
58	31.9	32.5	48.7#





#17

Carbon Disulfide

Concen: 6.374 ug/l

RT: 4.18 min Scan# 425

Delta R.T. -0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion: 76 Resp: 13330

Ion Ratio Lower Upper

76 100

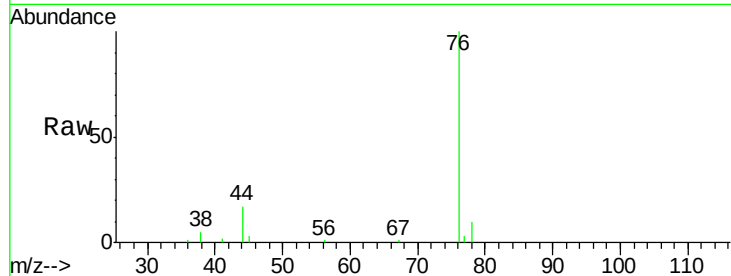
78 10.0 7.6 11.4

Manual Integrations

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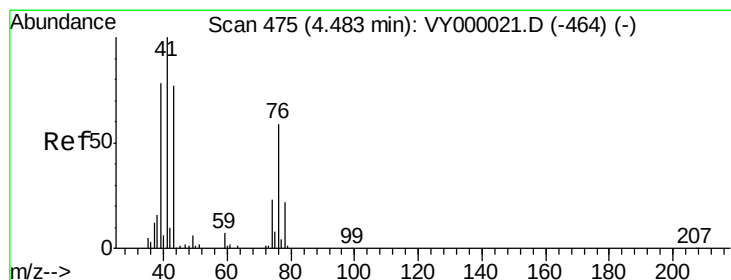
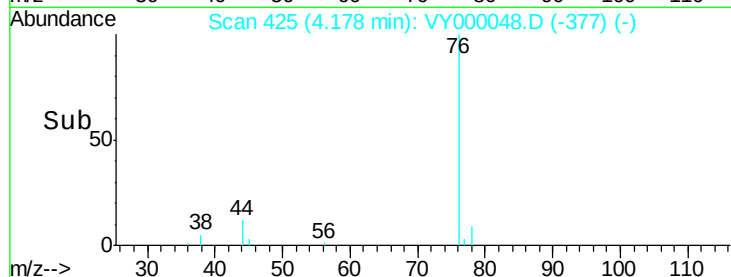
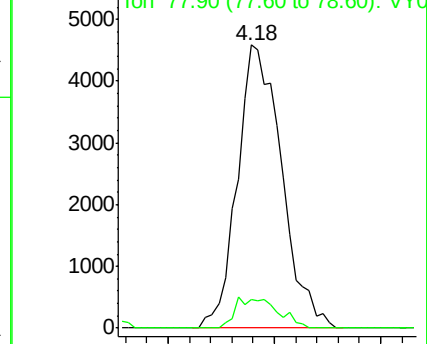
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 5.859 ug/l

RT: 4.49 min Scan# 476

Delta R.T. 0.01 min

Lab File: VY000048.D

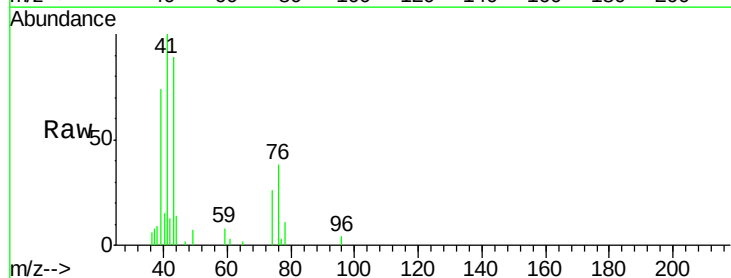
Acq: 16 Sep 2019 15:54

Tgt Ion: 43 Resp: 5549

Ion Ratio Lower Upper

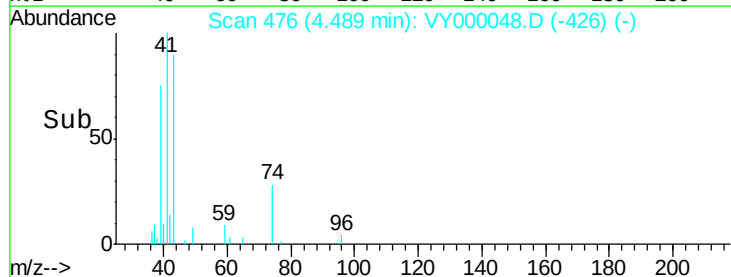
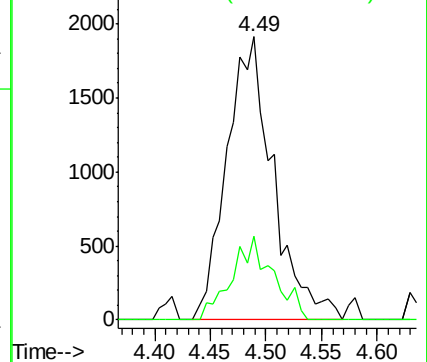
43 100

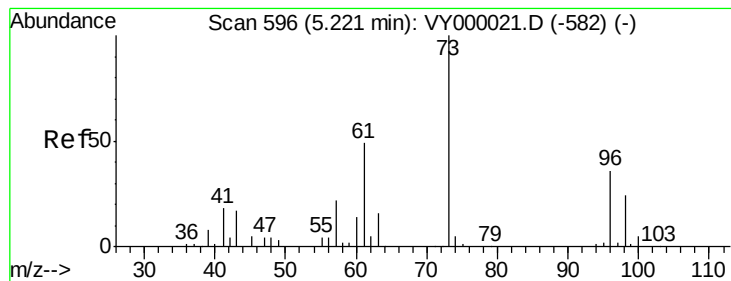
74 26.3 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

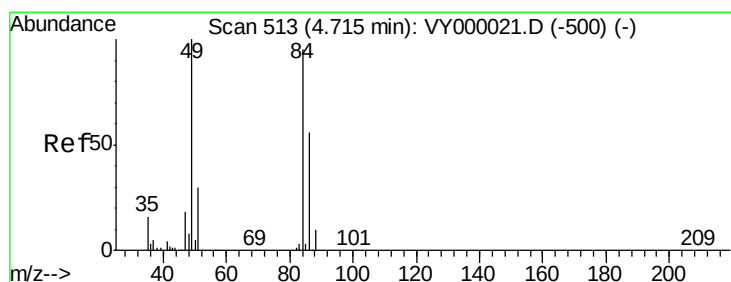
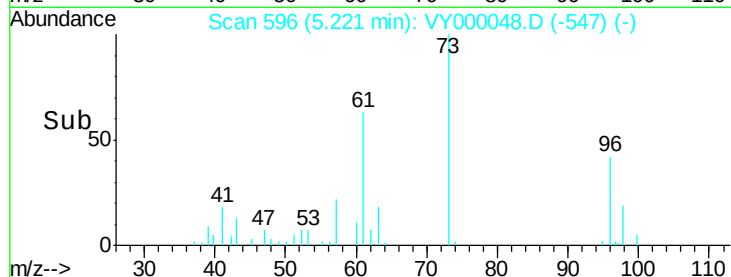
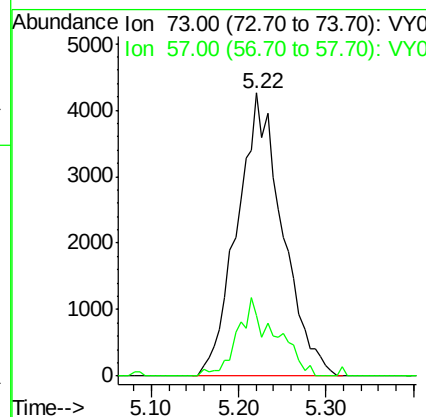
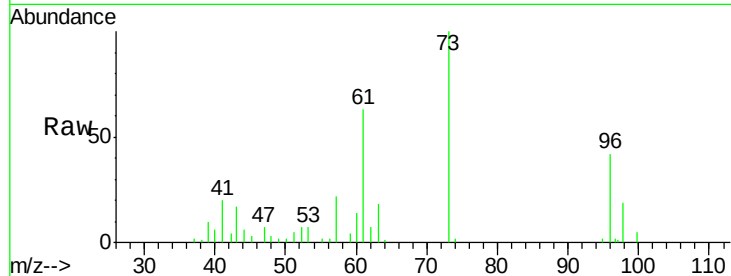
Methyl tert-butyl Ether
 Concen: 4.863 ug/l
 RT: 5.22 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion: 73 Resp: 15296
 Ion Ratio Lower Upper
 73 100
 57 21.6 17.8 26.8

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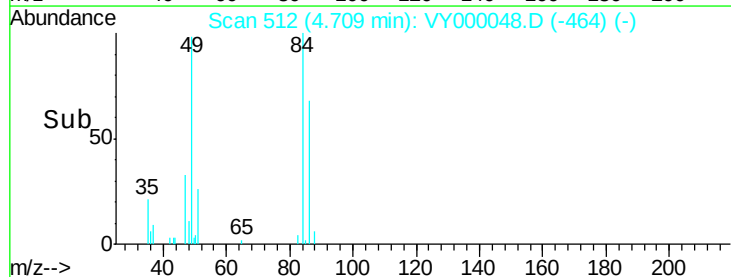
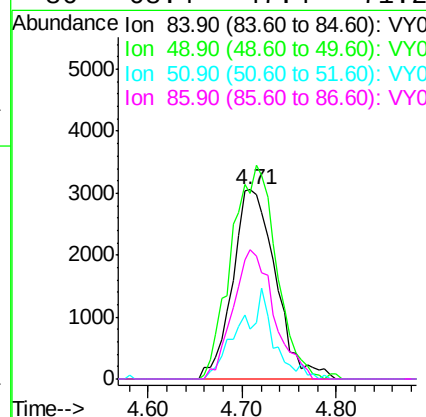
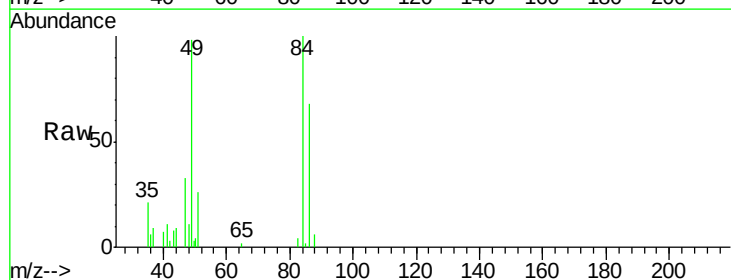
MMDadoda
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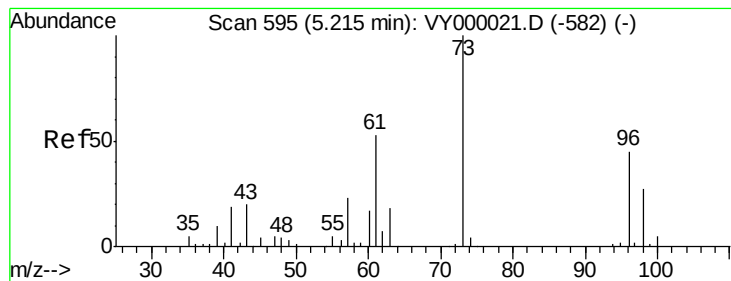


#20

Methylene Chloride
 Concen: 7.267 ug/l
 RT: 4.71 min Scan# 512
 Delta R.T. -0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion: 84 Resp: 9750
 Ion Ratio Lower Upper
 84 100
 49 98.4 84.4 126.6
 51 26.3 25.4 38.0
 86 68.4 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 5.012 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

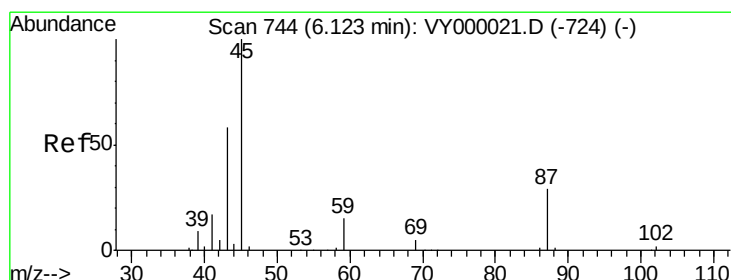
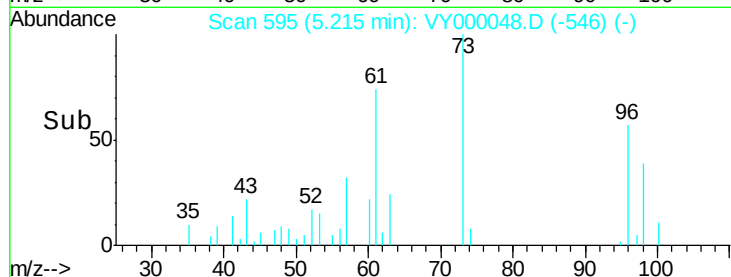
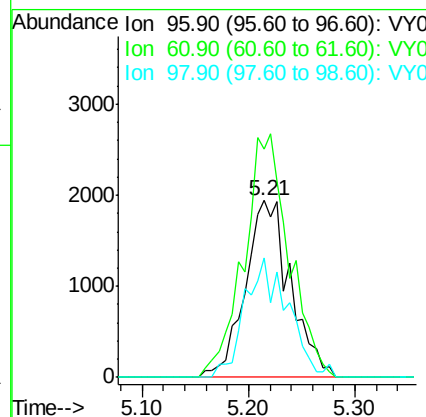
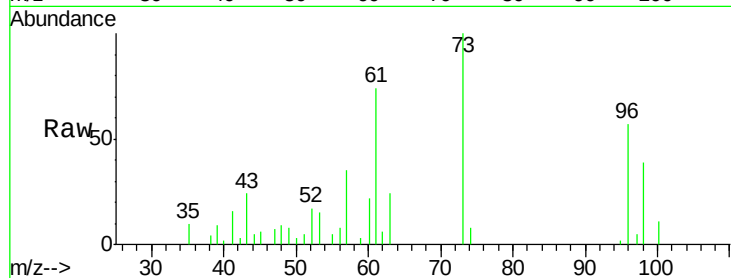
ClientSampleId :

MDL3

Tot Ion:	96	Resp:	5763
Ion	Ratio	Lower	Upper
96	100		
61	129.1	95.3	142.9
98	68.0	48.7	73.1

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#22

Diisopropyl ether

Concen: 4.961 ug/l

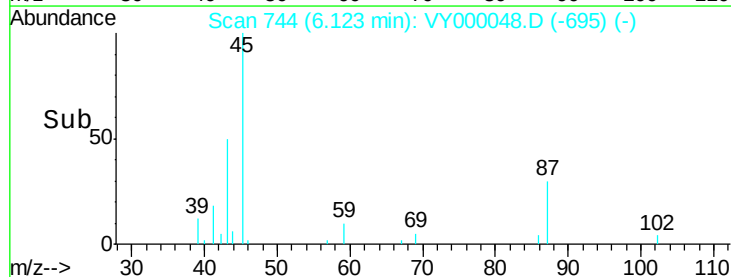
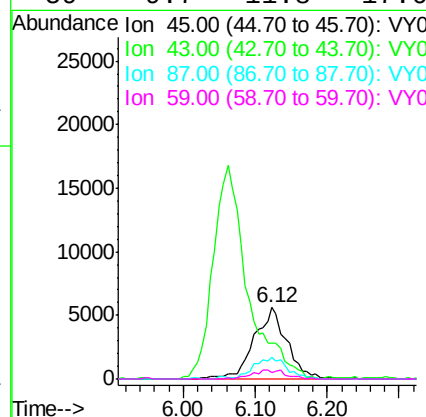
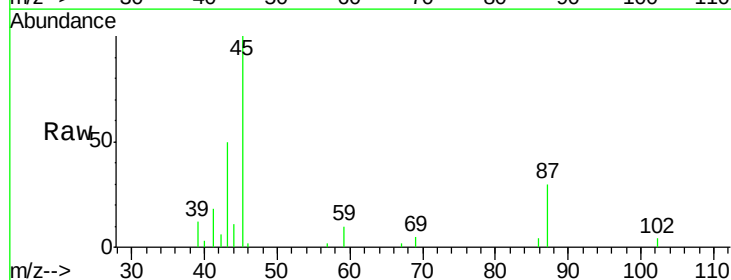
RT: 6.12 min Scan# 744

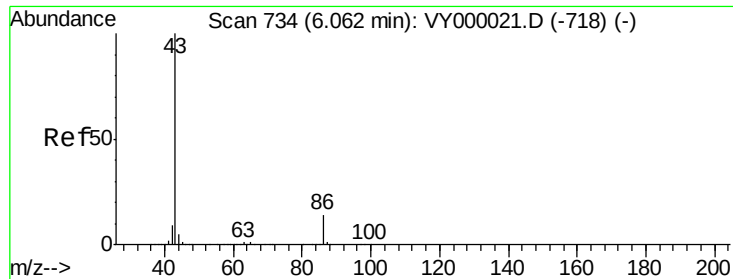
Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tgt Ion:	45	Resp:	17657
Ion	Ratio	Lower	Upper
45	100		
43	48.3	47.0	70.4
87	29.8	23.1	34.7
59	9.7	11.8	17.6#





#23

Vinyl Acetate

Concen: 22.706 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 43 Resp: 55910

Ion Ratio Lower Upper

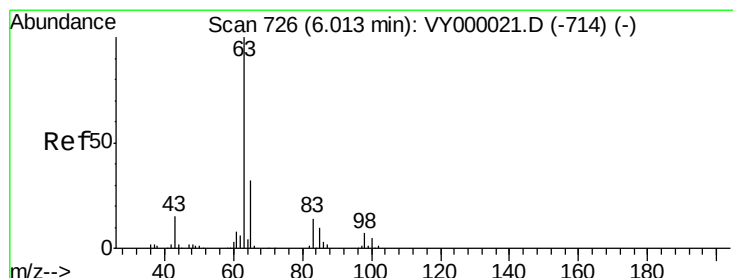
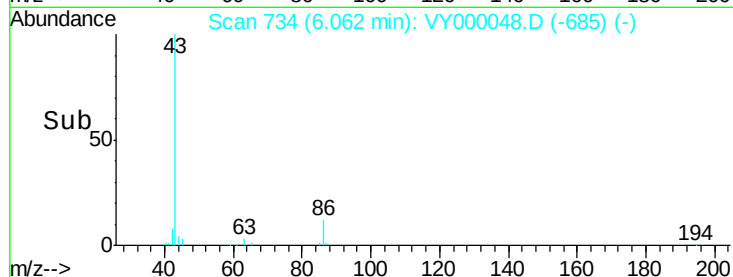
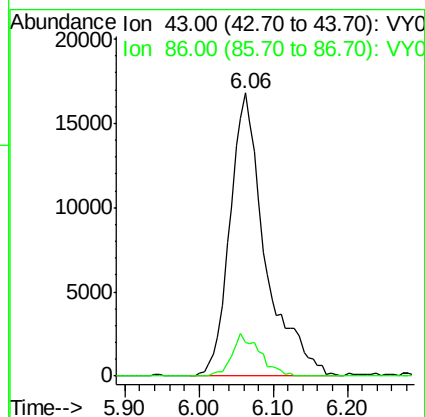
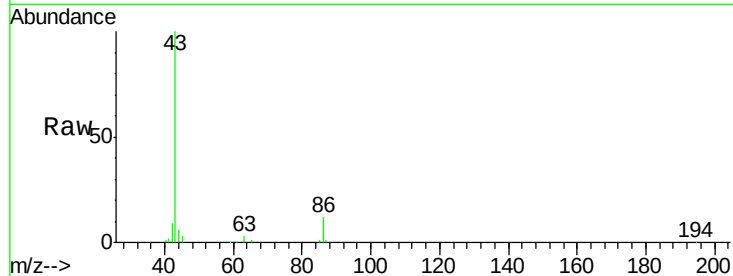
43 100

86 11.8 11.0 16.4

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#24

1,1-Dichloroethane

Concen: 4.650 ug/l

RT: 6.01 min Scan# 726

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

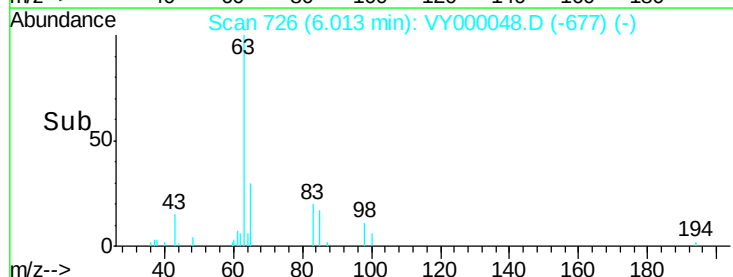
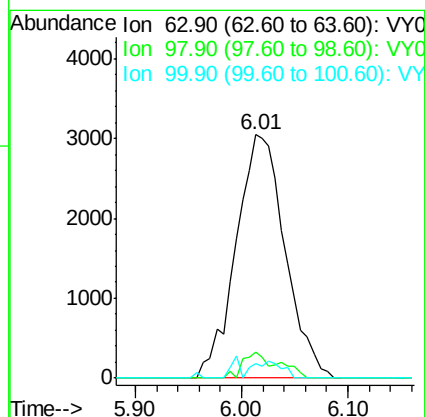
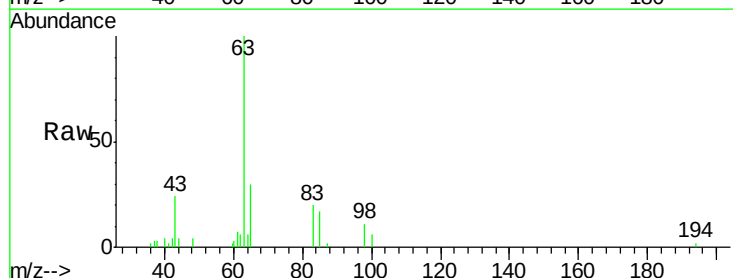
Tgt Ion: 63 Resp: 9807

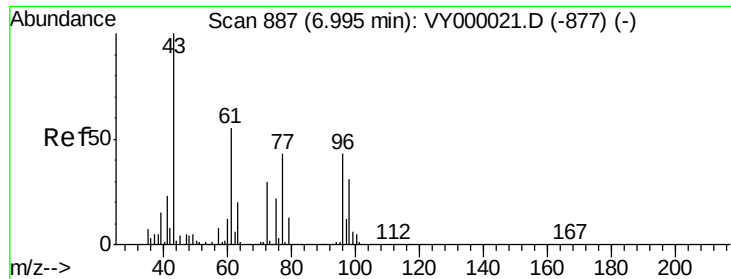
Ion Ratio Lower Upper

63 100

98 10.7 3.8 11.2

100 6.0 2.6 8.0





#25

2-Butanone

Concen: 25.531 ug/l

RT: 7.00 min Scan# 888

Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion: 43 Resp: 13967

Ion Ratio Lower Upper

43 100

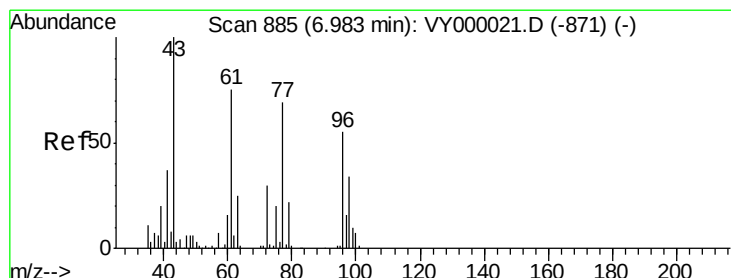
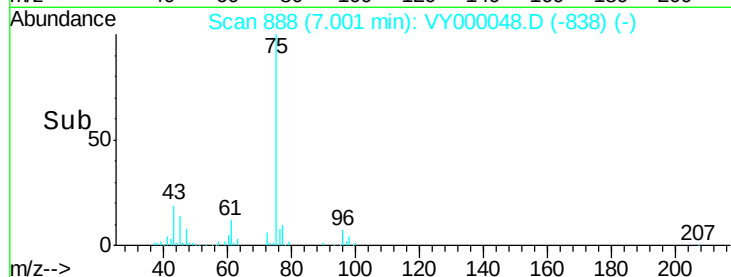
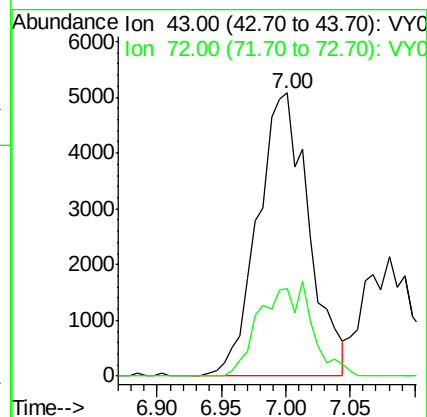
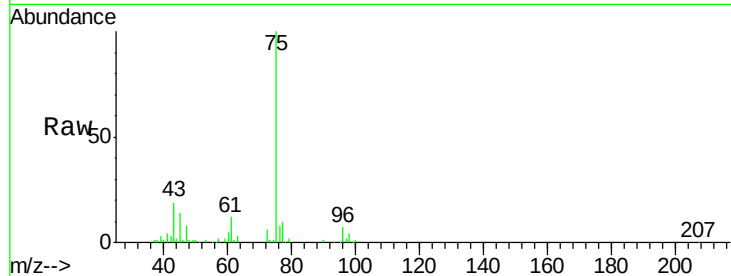
72 30.9 24.1 36.1

Manual Integrations

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9/20/2019 1:02:20 AM



#26

2,2-Dichloropropane

Concen: 6.545 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000048.D

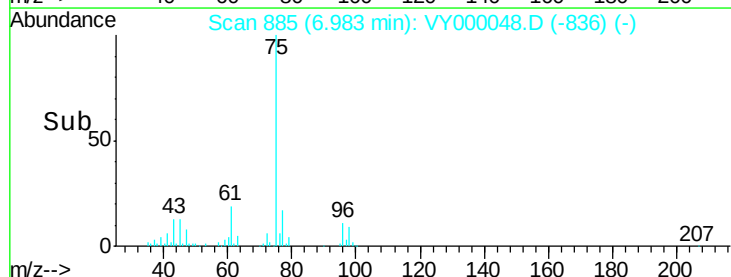
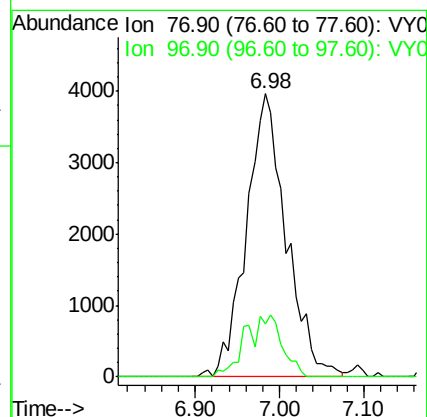
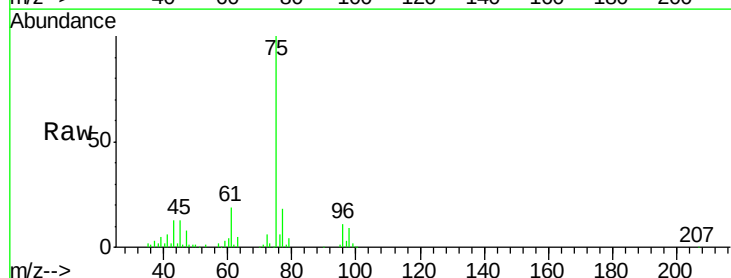
Acq: 16 Sep 2019 15:54

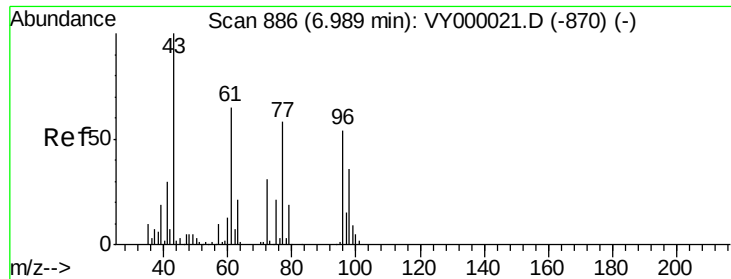
Tgt Ion: 77 Resp: 12824

Ion Ratio Lower Upper

77 100

97 12.9 12.0 36.1





#27

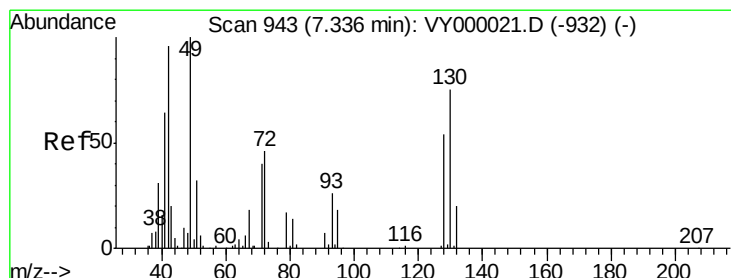
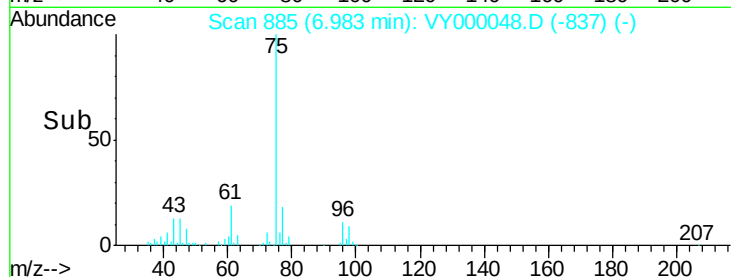
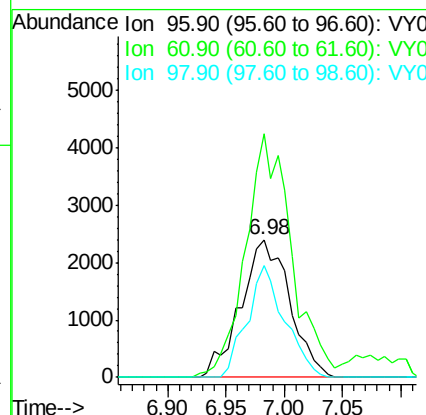
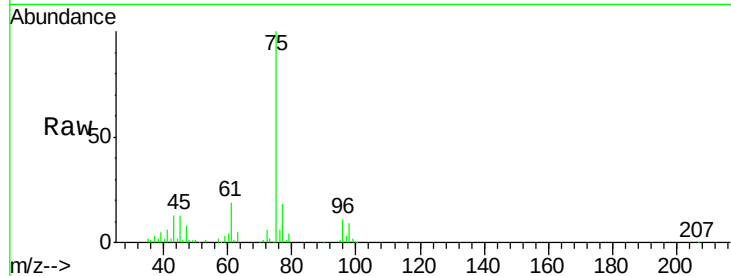
cis-1,2-Dichloroethene
Concen: 4.833 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	259.2
98	62.6	0.0	127.4

Manual Integrations
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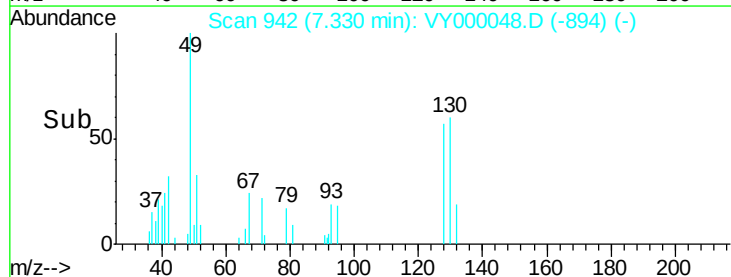
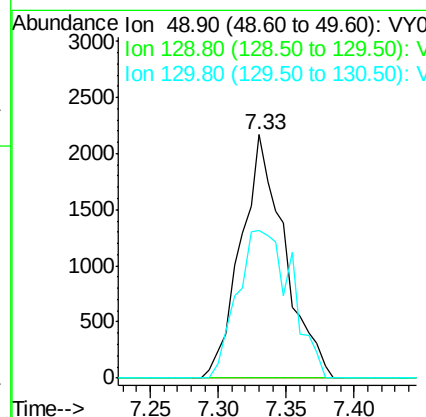
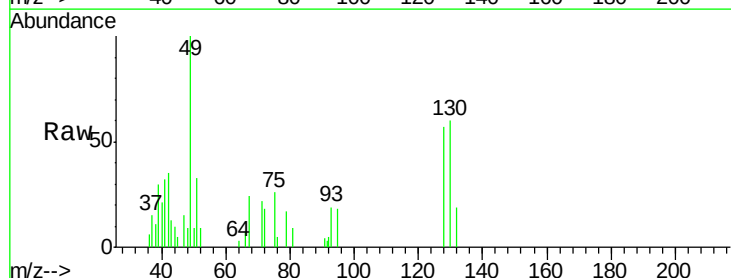
MMDadoda
9/20/2019 1:02:20 AM

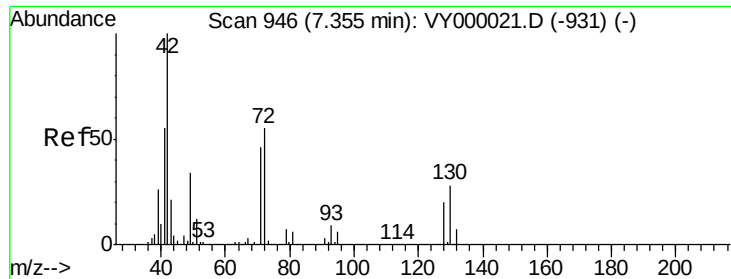


#28

Bromochloromethane
Concen: 5.020 ug/l
RT: 7.33 min Scan# 942
Delta R.T. -0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.8
130	75.5	62.5	93.7





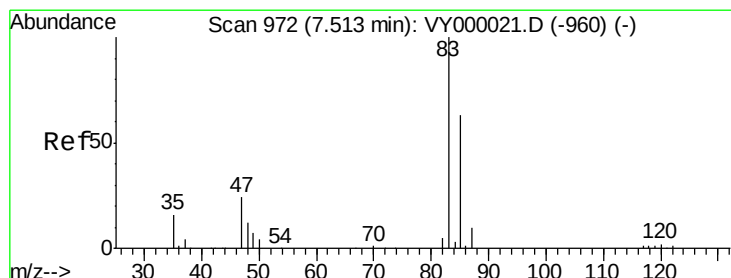
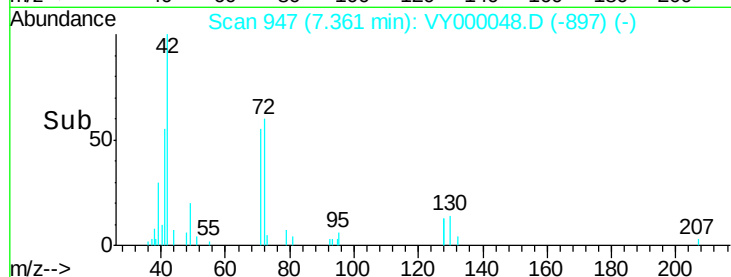
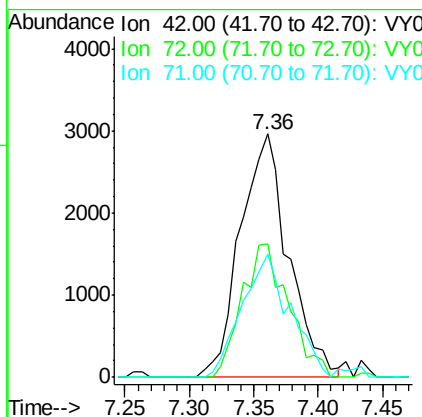
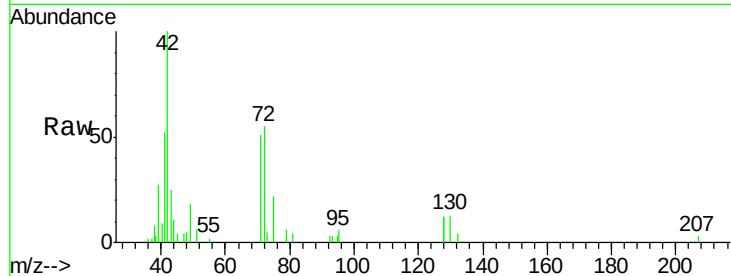
#29
Tetrahydrofuran
Concen: 23.597 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.9	41.1	61.7
71	50.7	36.5	54.7

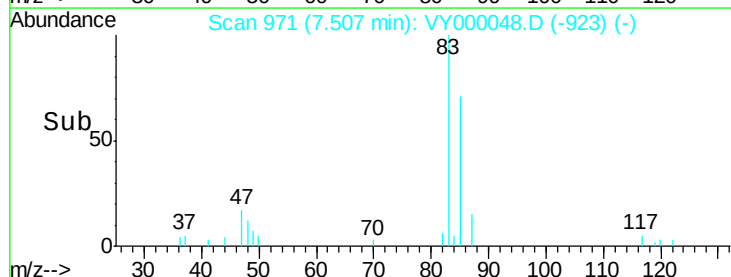
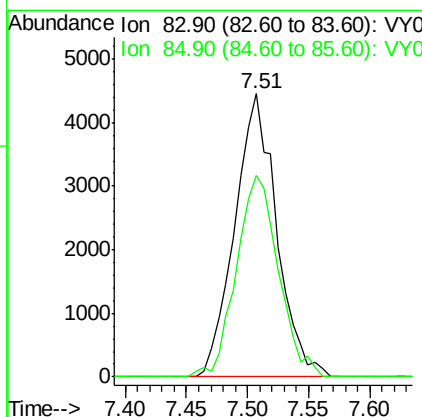
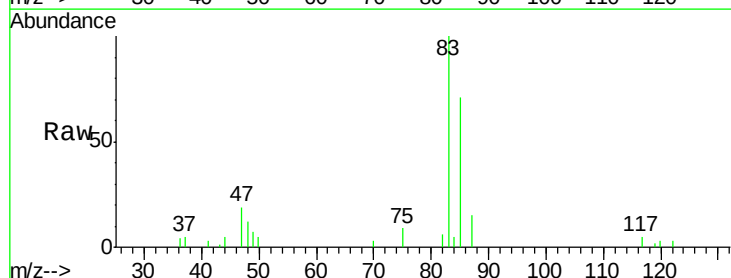
Manual Integrations
APPROVED

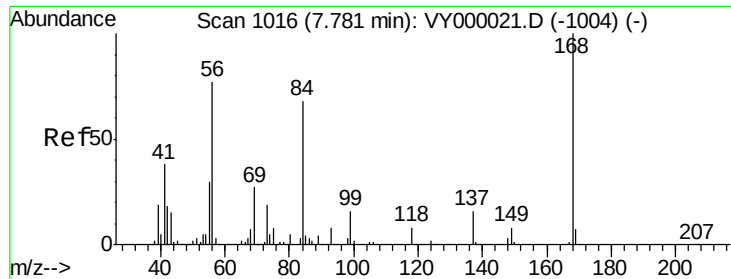
MMDadoda
9/20/2019 1:02:20 AM



#30
Chloroform
Concen: 4.862 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	71.2	50.6	76.0





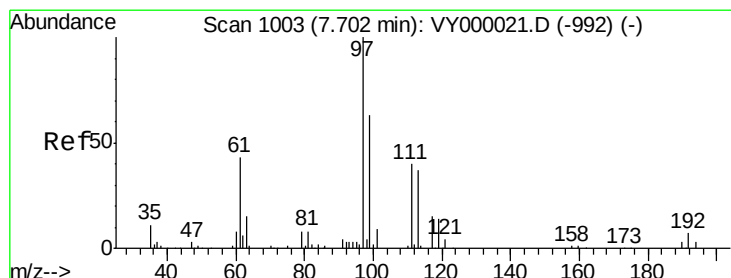
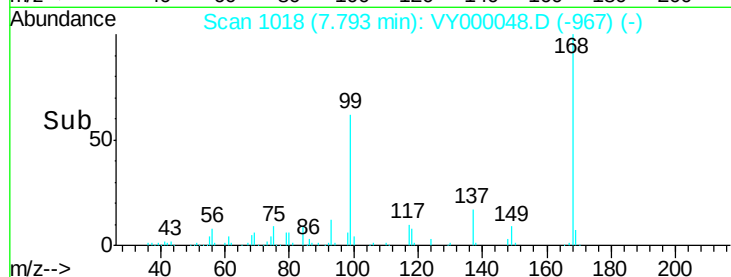
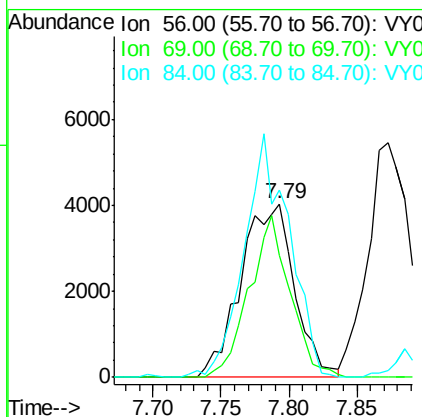
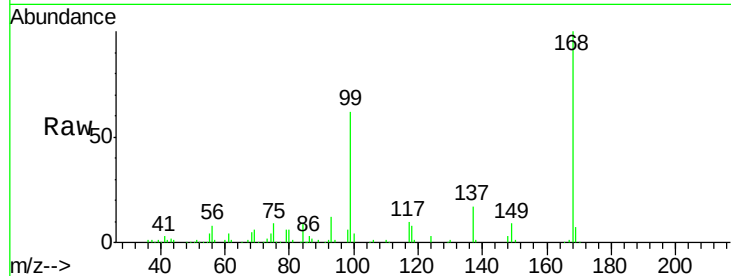
#31
Cyclohexane
Concen: 6.348 ug/l
RT: 7.79 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
56	100		
69	70.1	28.0	42.0#
84	108.0	70.4	105.6#

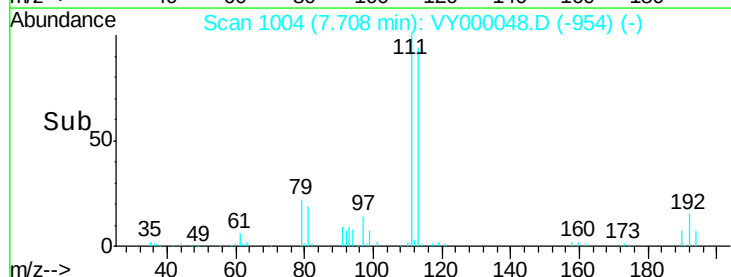
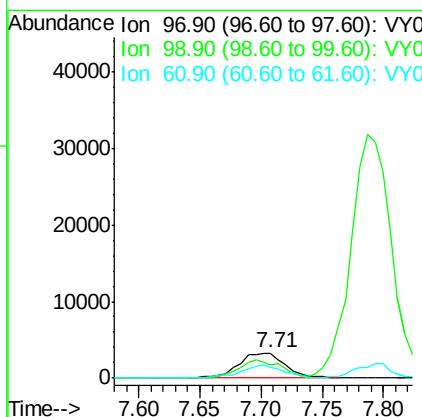
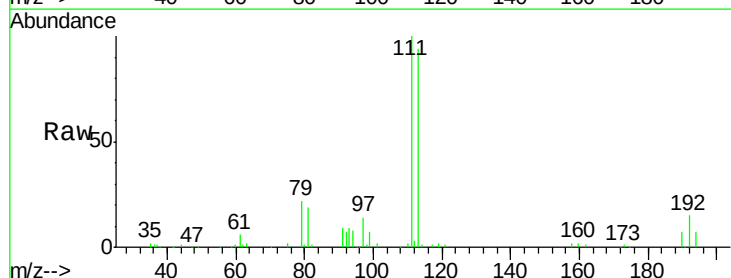
Manual Integrations
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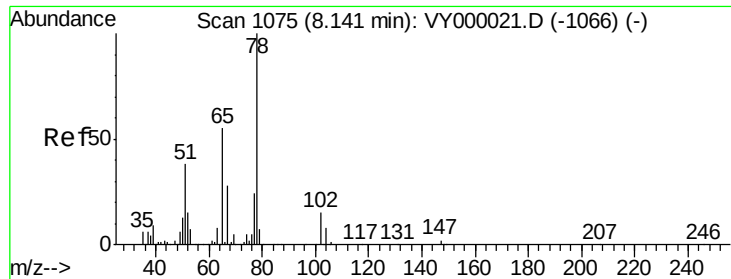
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 4.817 ug/l
RT: 7.71 min Scan# 1004
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.0	76.6
61	47.5	35.7	53.5





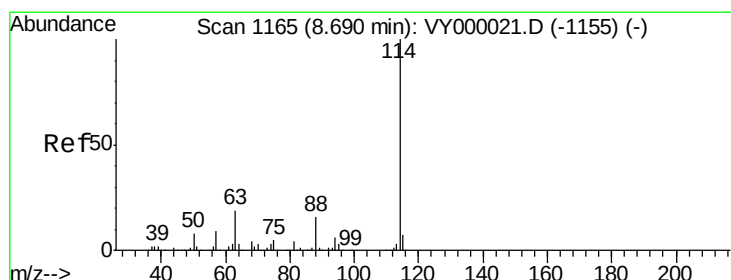
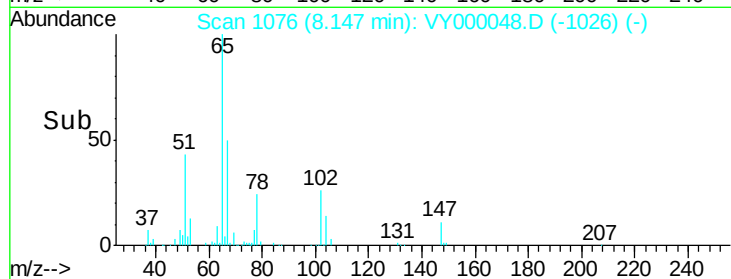
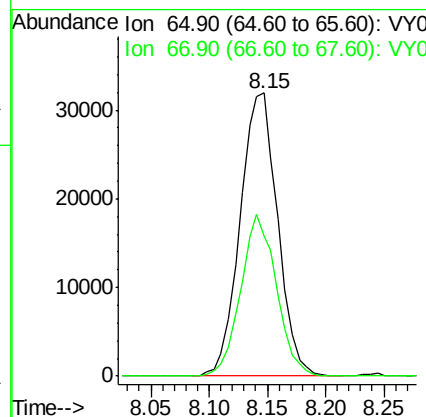
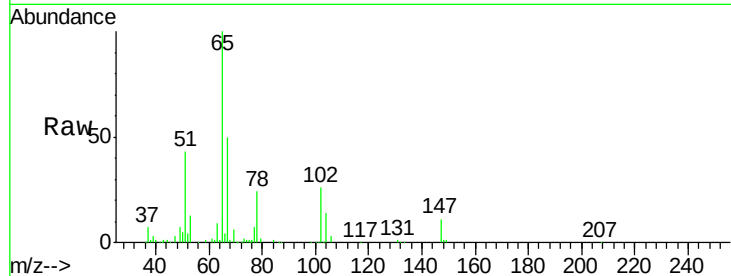
#33
 1,2-Dichloroethane-d4
 Concen: 58.898 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	104.4

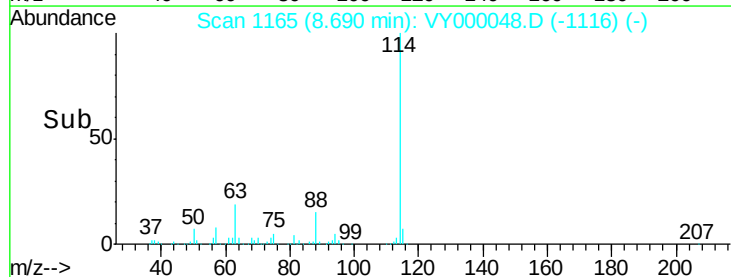
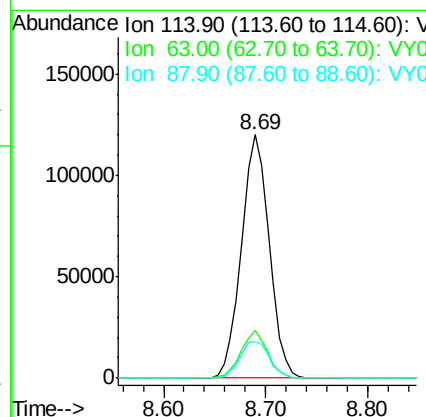
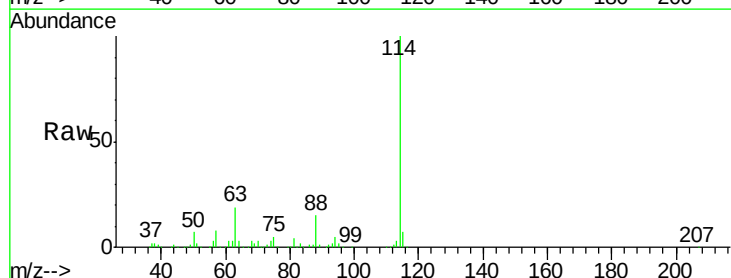
Manual Integrations
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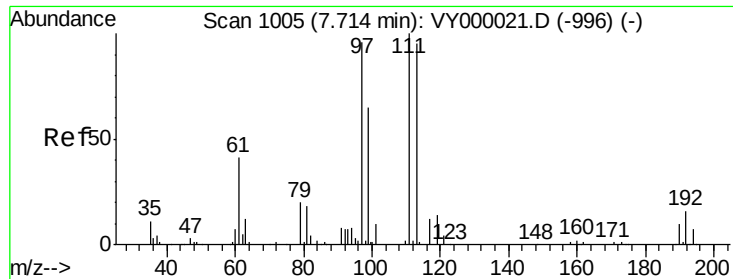
MMDadoda
 9/20/2019 1:02:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	38.6
88	15.0	0.0	31.8





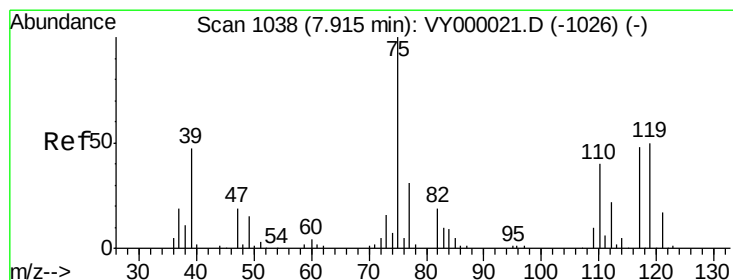
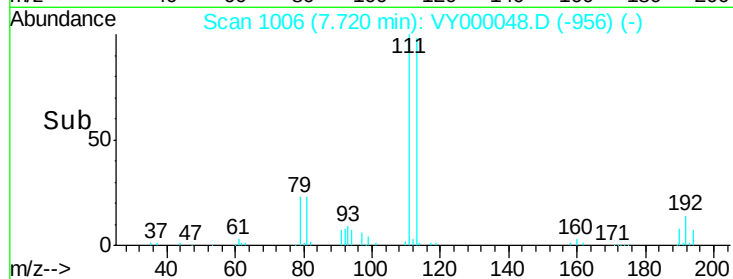
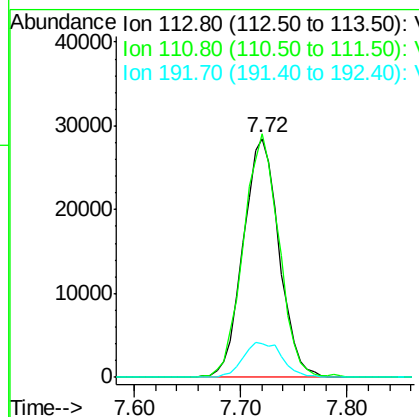
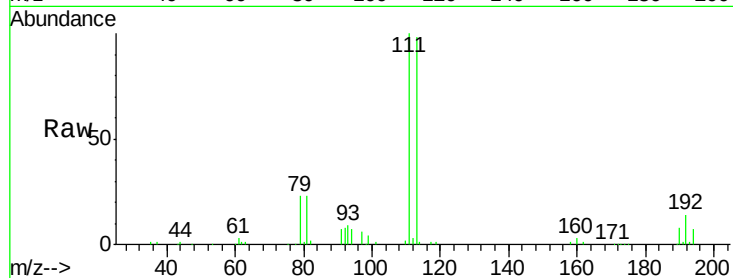
#35
 Dibromofluoromethane
 Concen: 51.927 ug/l
 RT: 7.72 min Scan# 1006
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Resp	Lower	Upper
113	100	67440		
111	100.8	83.9	125.9	
192	15.9	14.5	21.7	

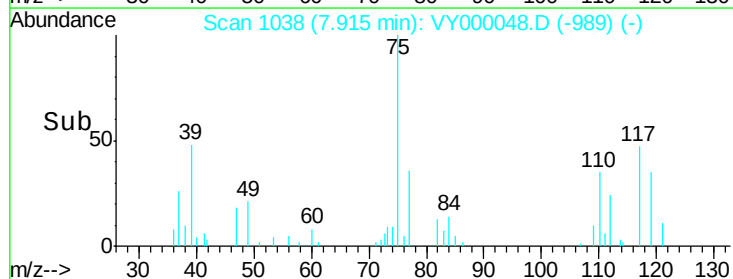
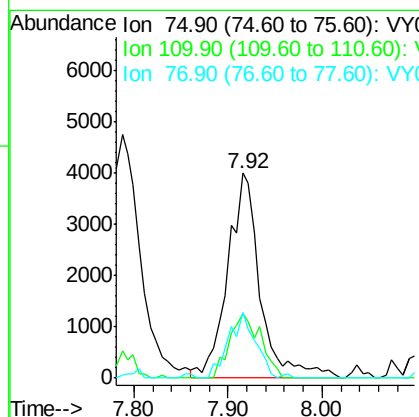
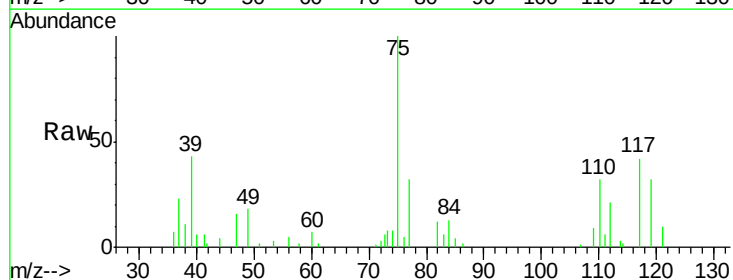
Manual Integrations
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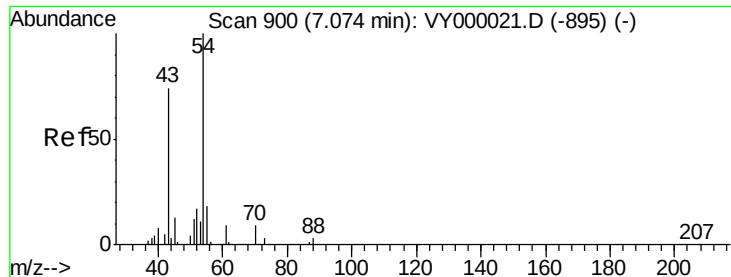
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#36
 1,1-Dichloropropene
 Concen: 5.746 ug/l
 RT: 7.92 min Scan# 1038
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9550		
110	30.1	18.6	55.8	
77	26.4	24.4	36.6	





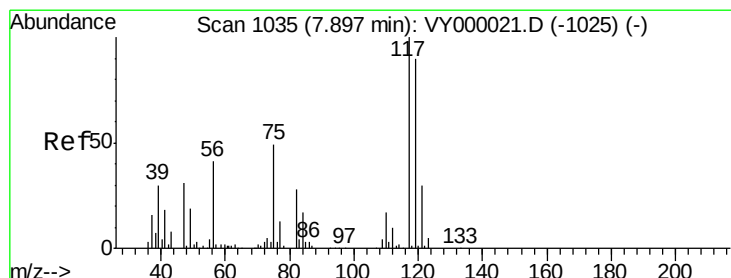
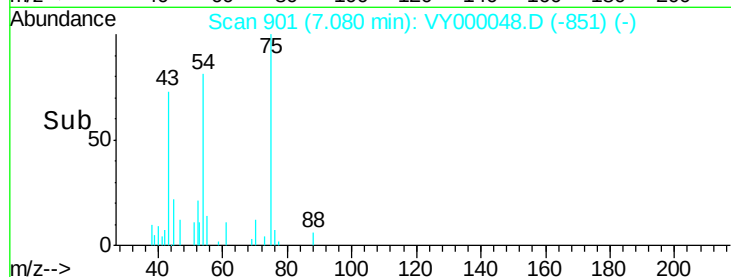
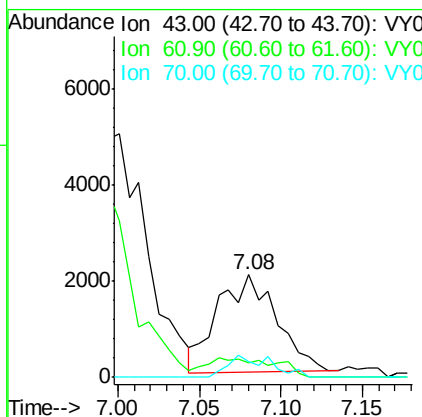
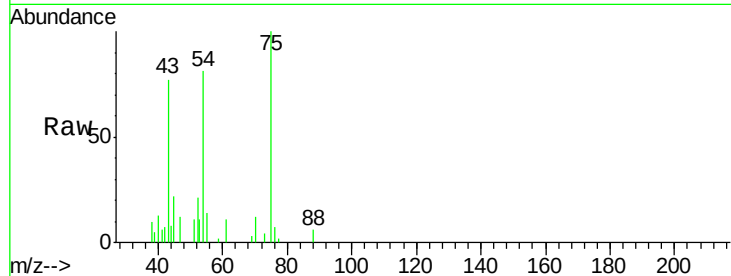
#37
Ethyl Acetate
Concen: 4.517 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	13.1	19.7#
70	16.7	10.9	16.3#

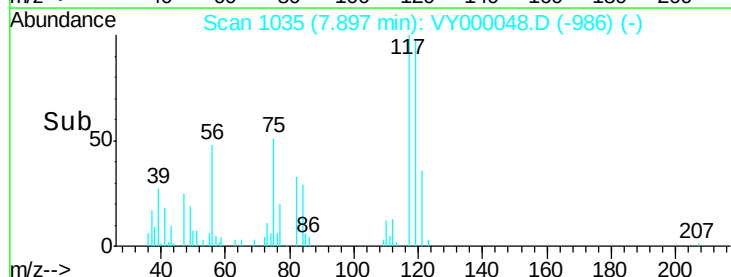
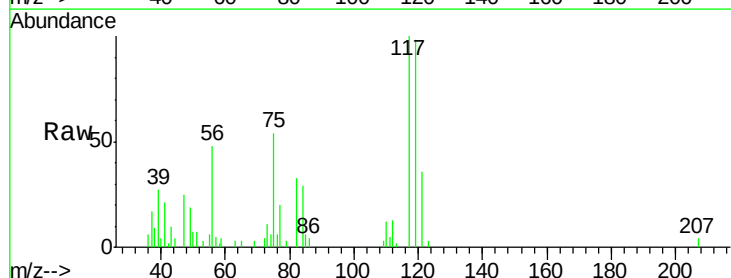
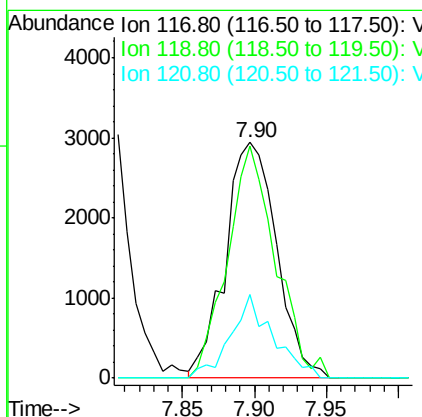
Manual Integrations
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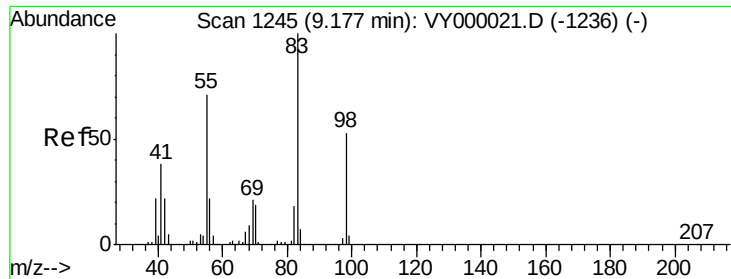
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#38
Carbon Tetrachloride
Concen: 4.633 ug/l
RT: 7.90 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	72.1	108.1
121	35.6	23.9	35.9





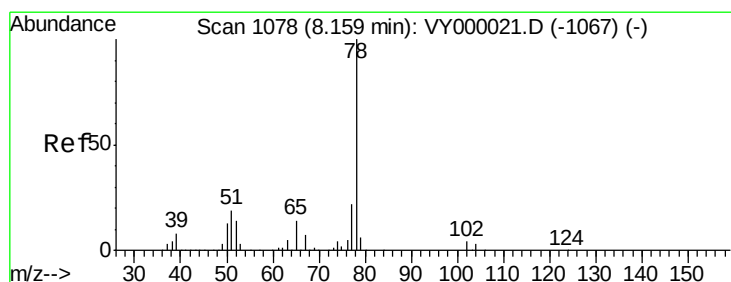
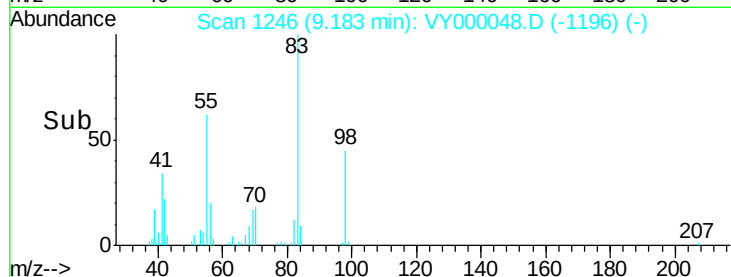
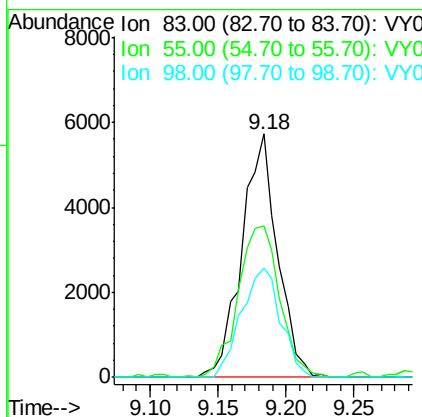
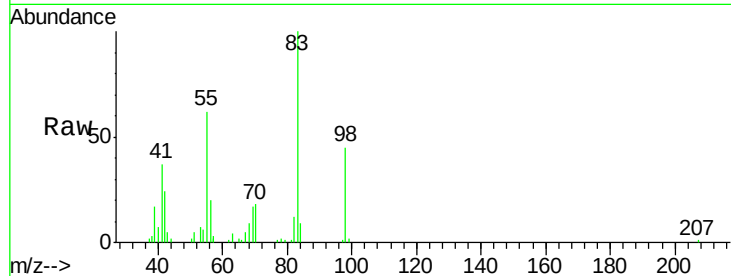
#39
Methylvlcyclohexane
Concen: 5.117 ug/l
RT: 9.18 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	62.2	57.0	85.4	
98	44.9	42.0	63.0	

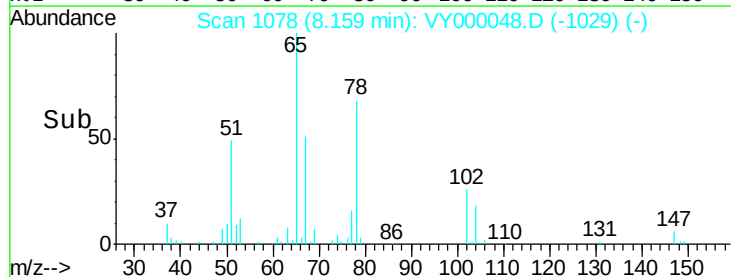
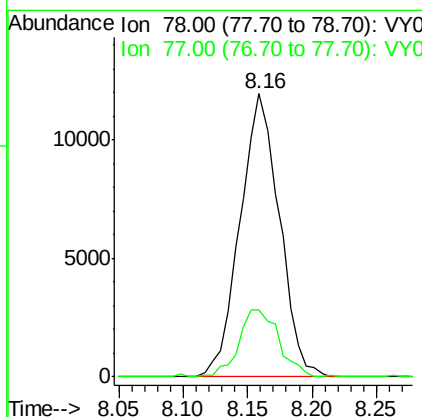
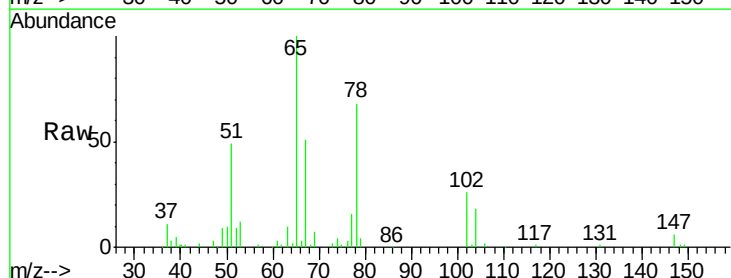
Manual Integrations
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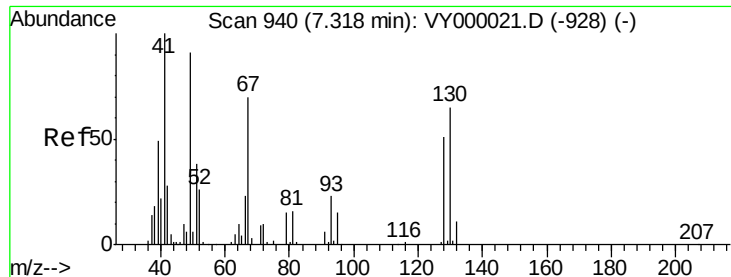
MMDadoda
9/20/2019 1:02:20 AM



#40
Benzene
Concen: 4.663 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.6	17.8	26.6	





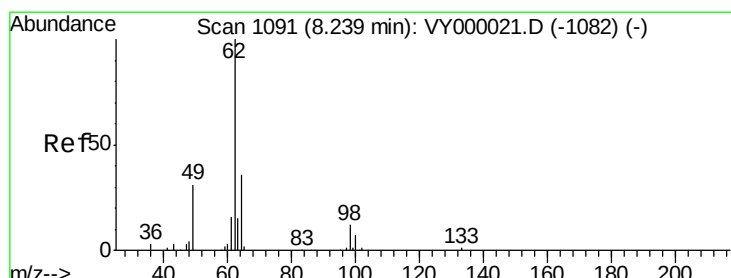
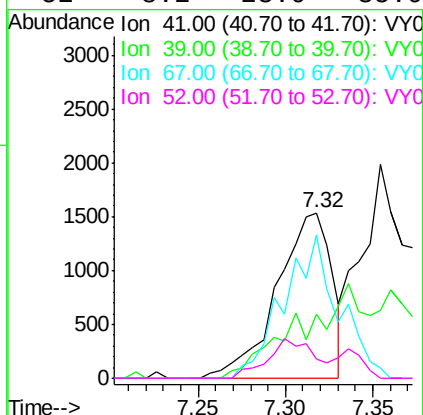
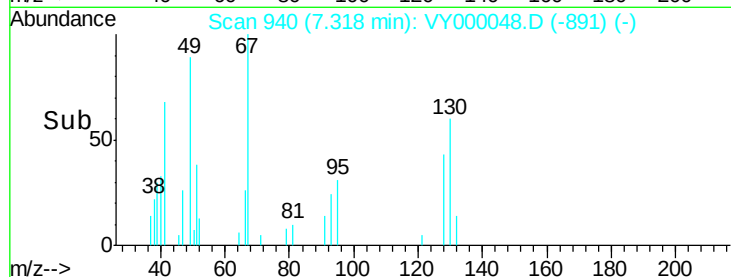
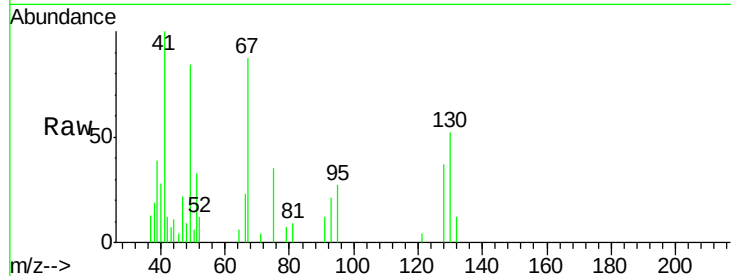
#41
Methacrylonitrile
Concen: 5.143 ug/l
RT: 7.32 min Scan# 940
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
41	100		
39	28.8	41.8	62.6#
67	87.2	65.8	98.6
52	8.2	23.9	35.9#

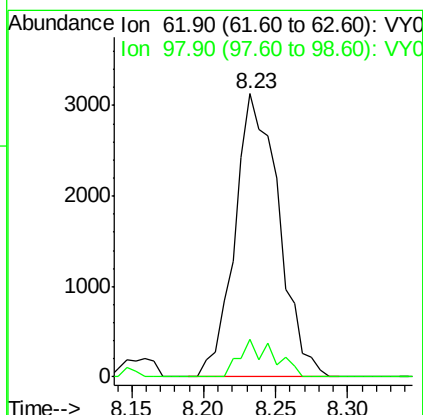
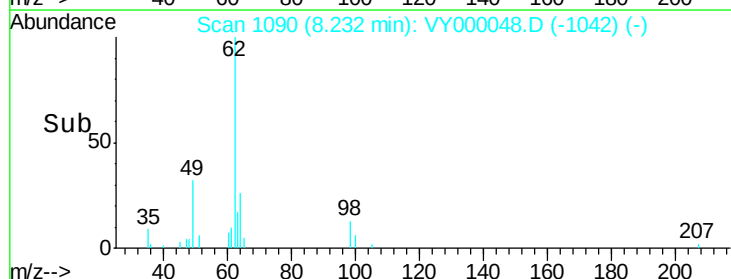
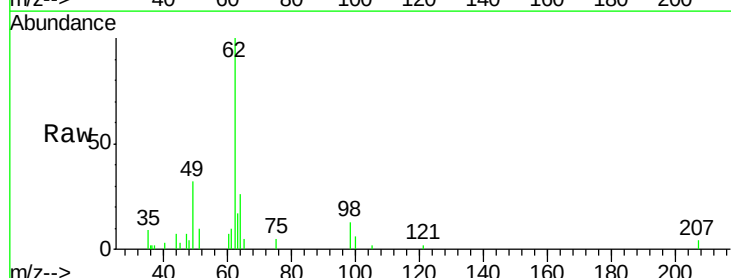
Manual Integrations
APPROVED

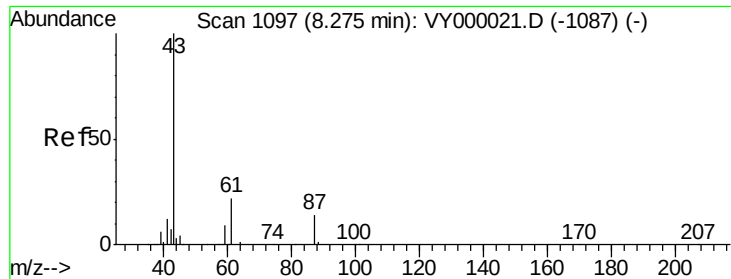
MMDadoda
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#42
1,2-Dichloroethane
Concen: 4.787 ug/l
RT: 8.23 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	23.2





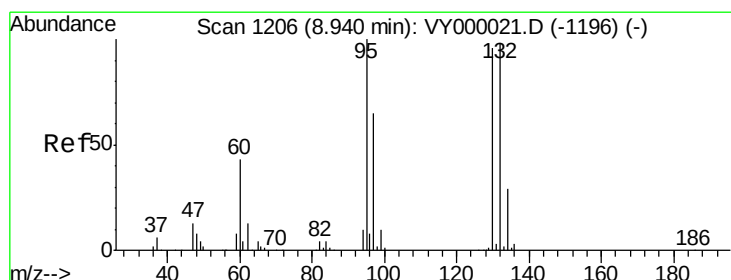
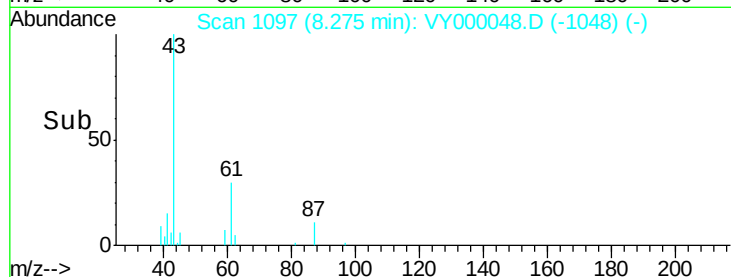
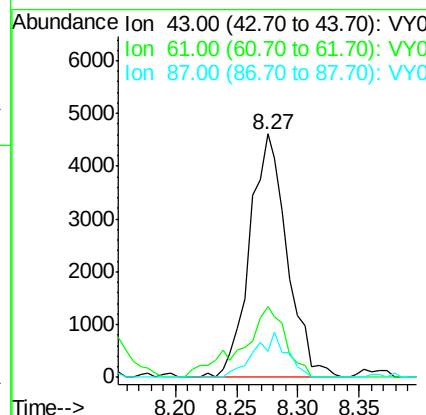
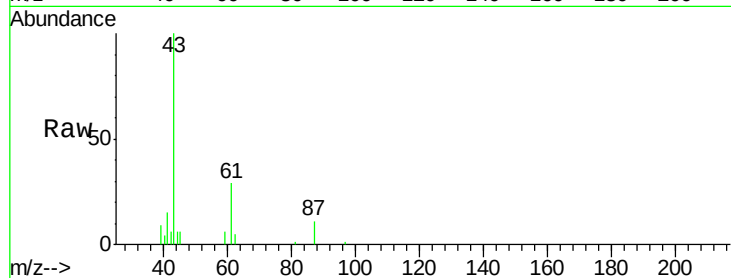
#43
Isopropyl Acetate
Concen: 4.531 ug/l
RT: 8.27 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.8	24.9	37.3
87	15.6	12.3	18.5

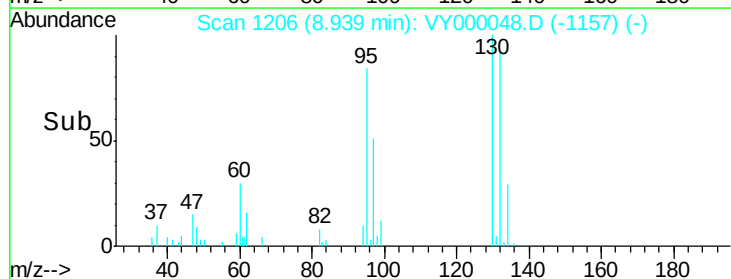
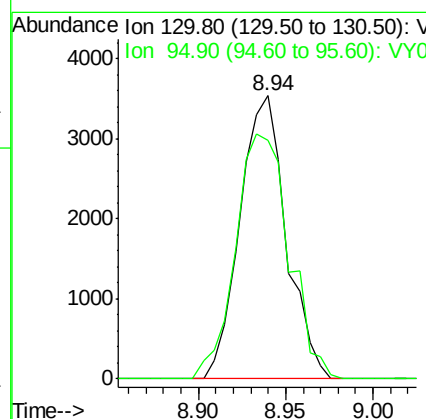
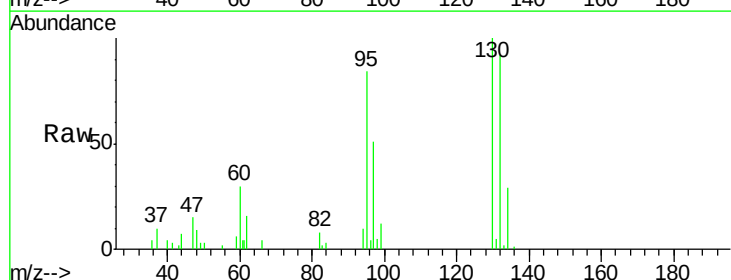
Manual Integrations
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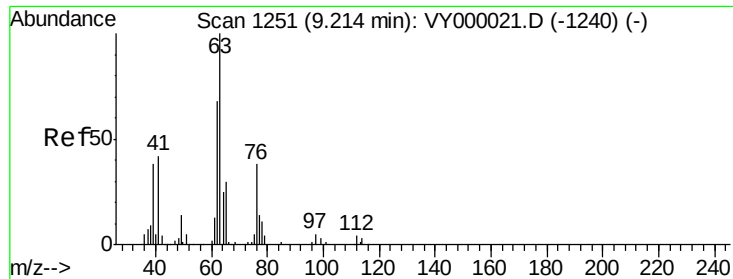
MMDadoda
9/20/2019 1:02:20 AM



#44
Trichloroethene
Concen: 4.825 ug/l
RT: 8.94 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.3	0.0	207.4





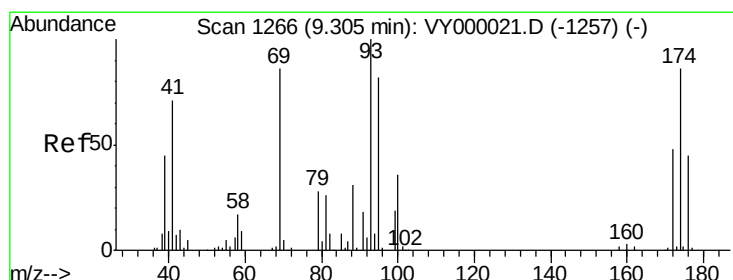
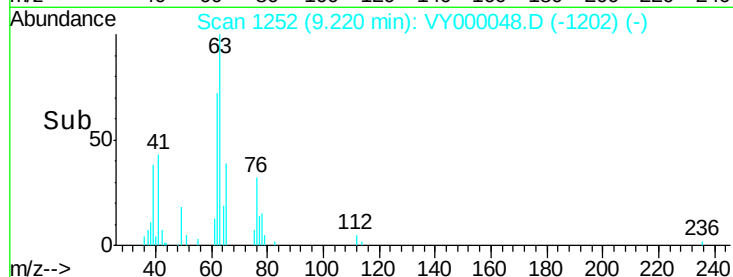
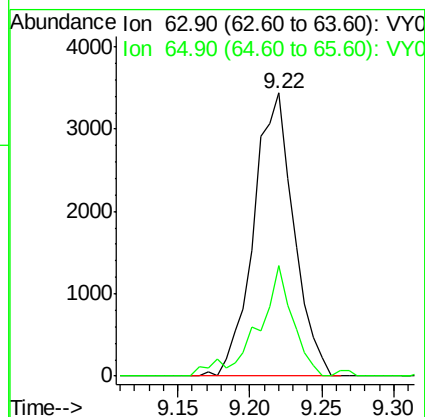
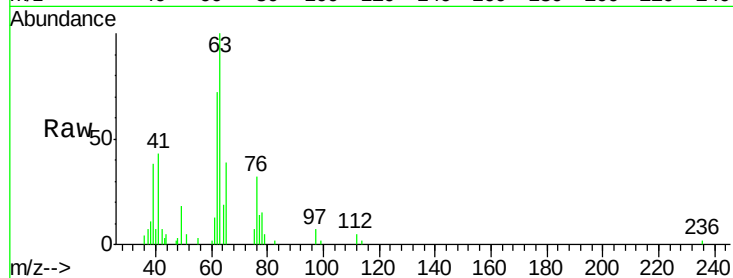
#45
 1,2-Dichloropropane
 Concen: 4.749 ug/l
 RT: 9.22 min Scan# 1252
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion: 63 Resp: 6627
 Ion Ratio Lower Upper
 63 100
 65 39.0 24.1 36.1#

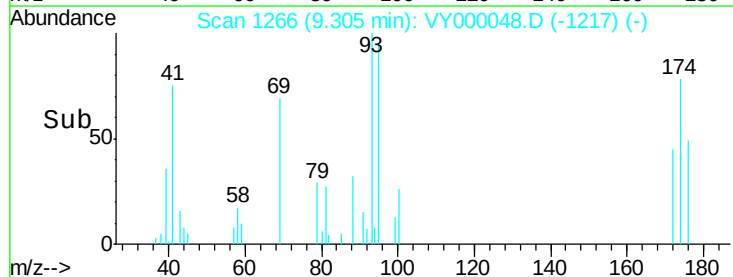
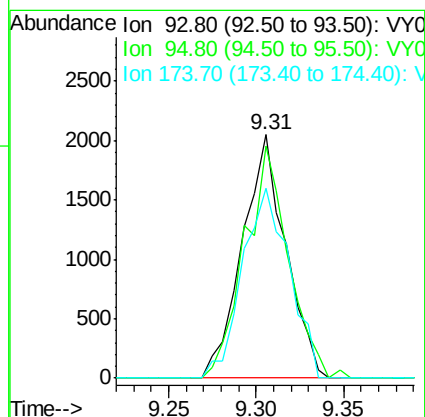
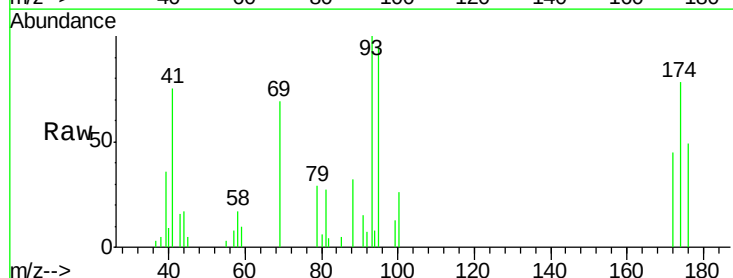
Manual Integrations
 APPROVED

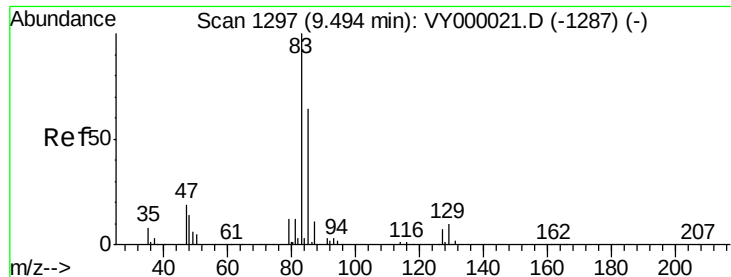
MMDadoda
 9/20/2019 1:02:20 AM



#46
 Dibromomethane
 Concen: 4.564 ug/l
 RT: 9.31 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion: 93 Resp: 3534
 Ion Ratio Lower Upper
 93 100
 95 96.7 67.0 100.6
 174 84.1 68.8 103.2





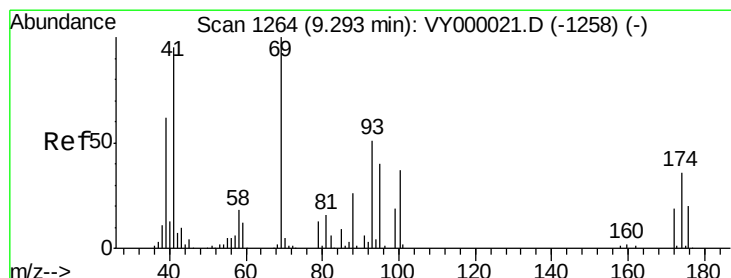
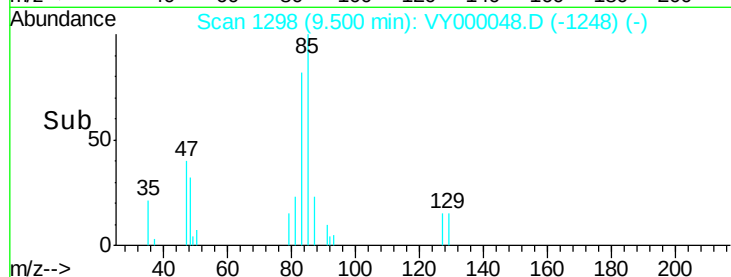
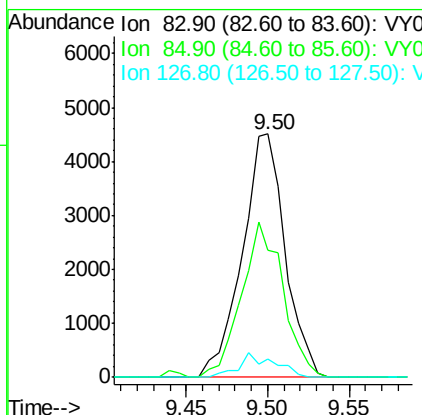
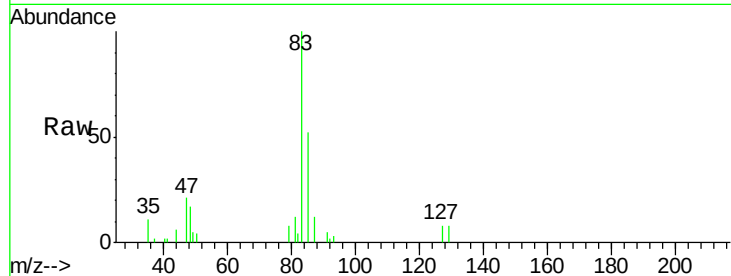
#47
 Bromodichloromethane
 Concen: 4.468 ug/l
 RT: 9.50 min Scan# 1298
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	83	Resp	8260
Ion Ratio	100	Lower	Upper
83	100		
85	52.0	51.4	77.2
127	7.8	5.4	8.2

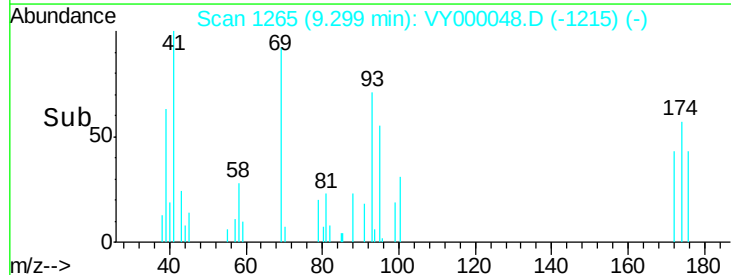
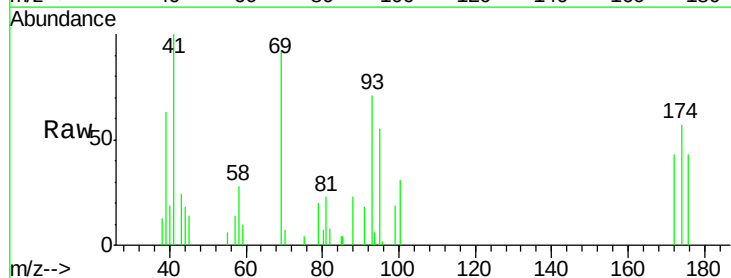
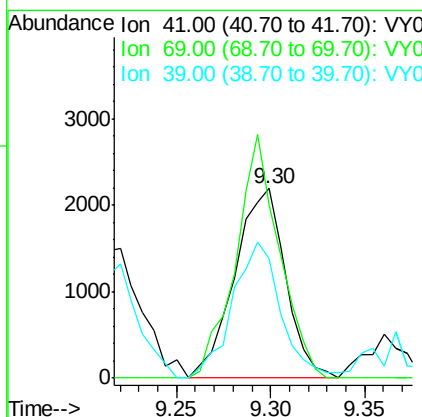
Manual Integrations
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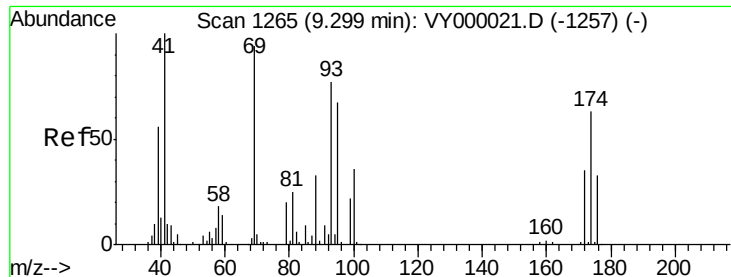
MMDadoda
 9/20/2019 1:02:20 AM



#48
 Methyl methacrylate
 Concen: 4.268 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	41	Resp	4091
Ion Ratio	100	Lower	Upper
41	100		
69	110.2	79.7	119.5
39	68.4	48.6	72.8





#49

1,4-Dioxane

Concen: 75.473 ug/l

RT: 9.29 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

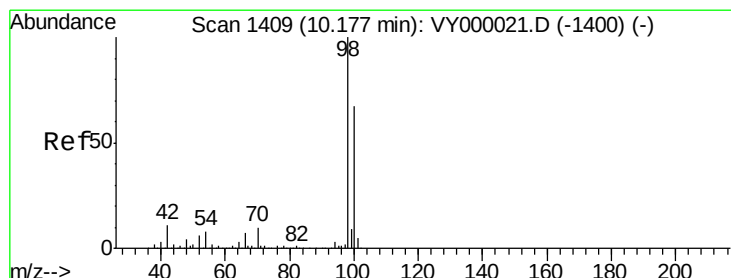
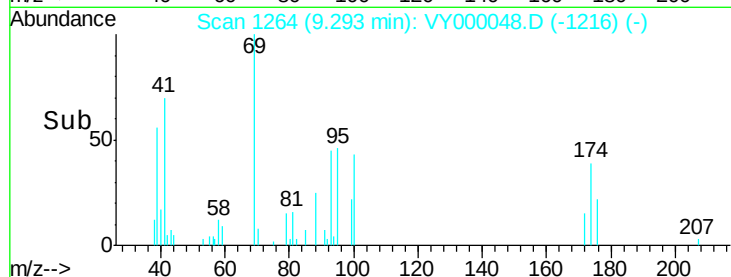
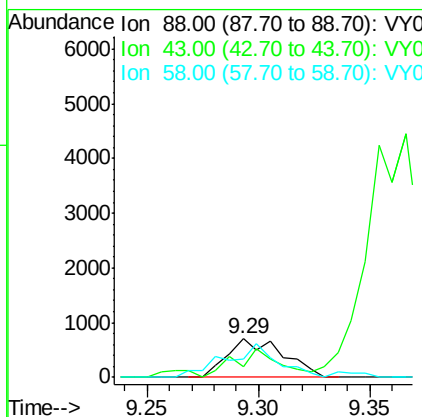
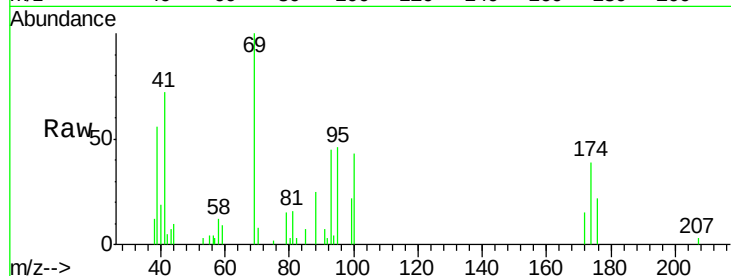
ClientSampled :

MDL3

Tot Ion:	88	Resp:	1224
Ion	Ratio	Lower	Upper
88	100		
43	61.3	24.6	37.0#
58	80.9	52.7	79.1#

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:02:20 AM



#50

Toluene-d8

Concen: 53.667 ug/l

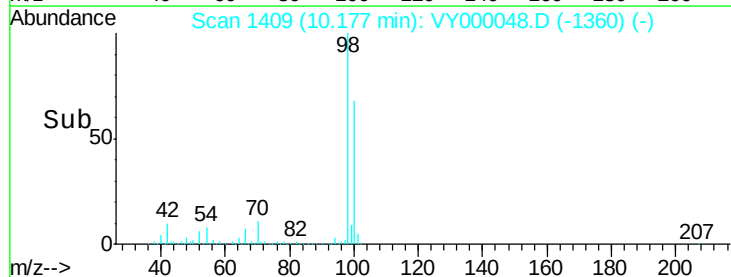
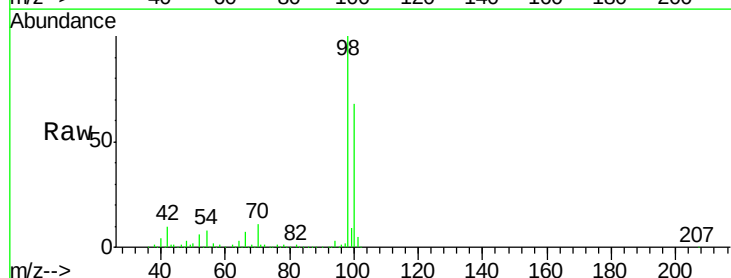
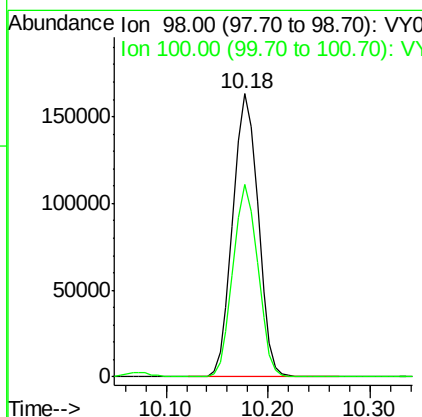
RT: 10.18 min Scan# 1409

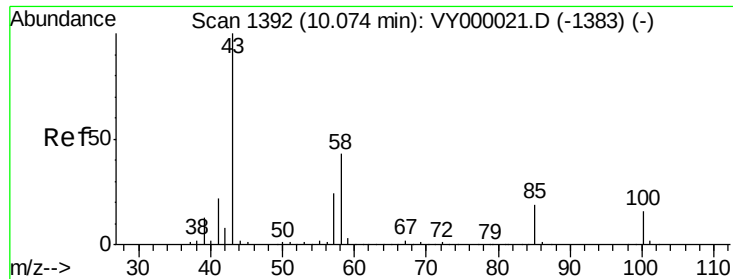
Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tgt Ion:	98	Resp:	280630
Ion	Ratio	Lower	Upper
98	100		
100	67.0	54.0	81.0





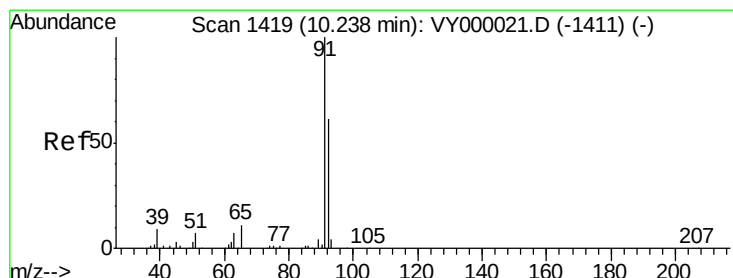
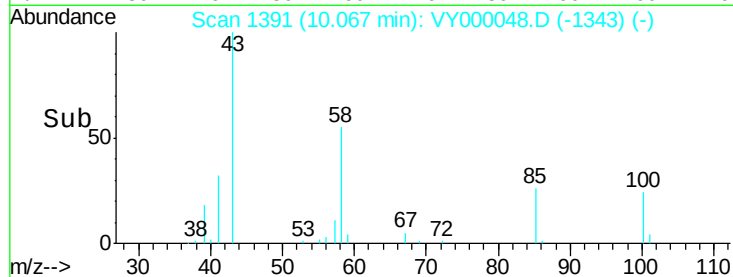
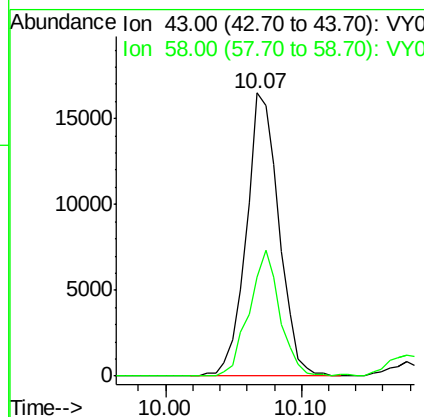
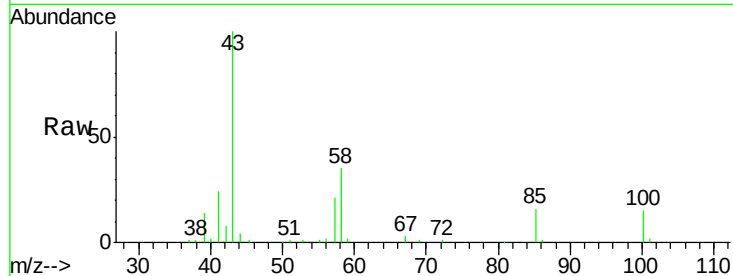
#51
4-Methyl-2-Pentanone
Concen: 22.701 ug/l
RT: 10.07 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 43 Resp: 27628
Ion Ratio Lower Upper
43 100
58 42.0 34.1 51.1

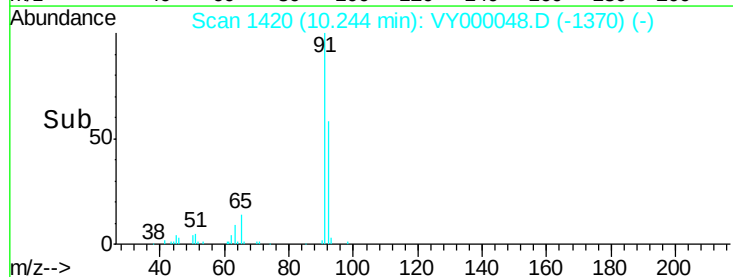
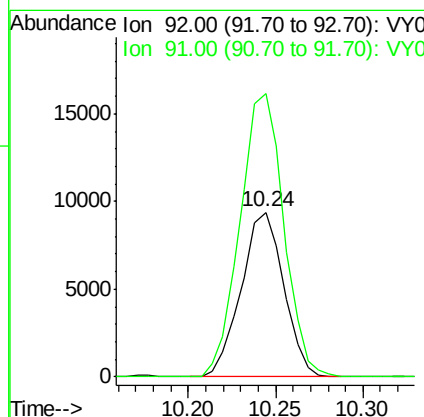
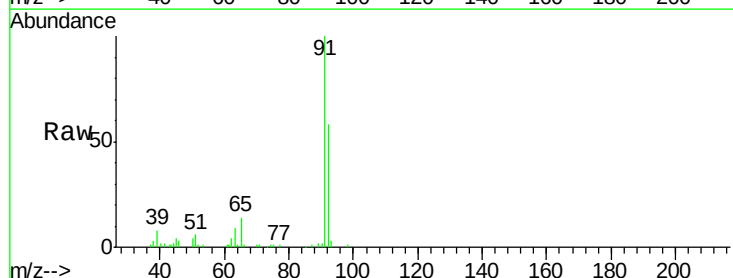
Manual Integrations
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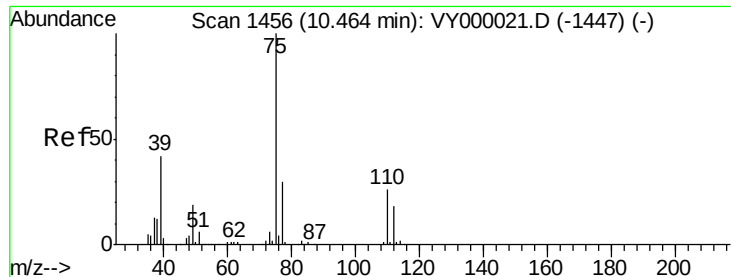
MMDadoda
9/20/2019 1:02:20 AM



#52
Toluene
Concen: 4.678 ug/l
RT: 10.24 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion: 92 Resp: 15908
Ion Ratio Lower Upper
92 100
91 176.4 136.4 204.6





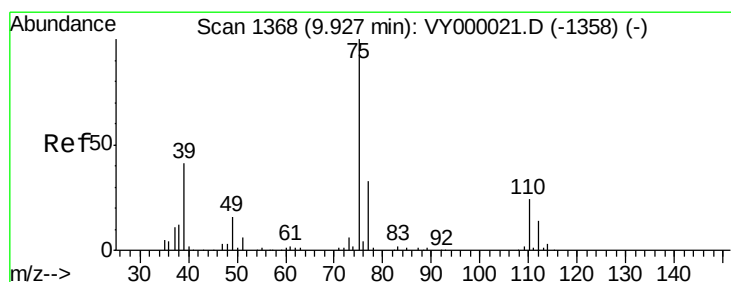
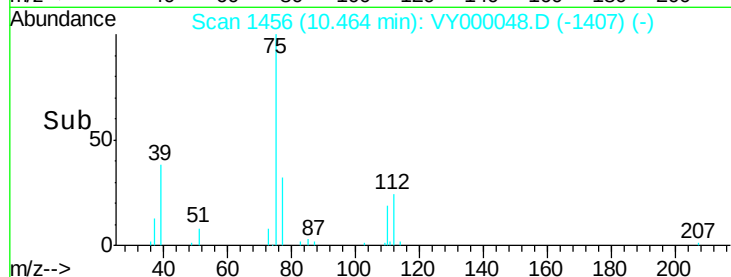
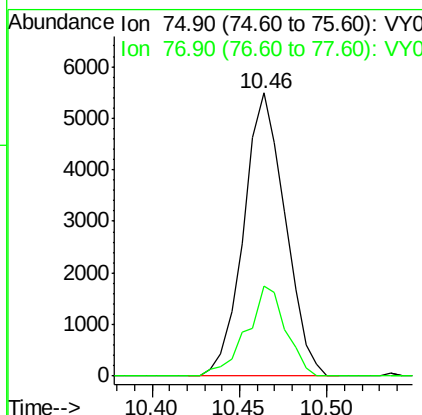
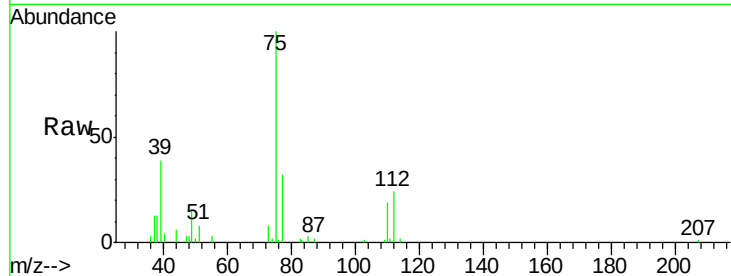
#53
t-1,3-Dichloropropene
Concen: 4.648 ug/l
RT: 10.46 min Scan# 1456
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.8	35.8

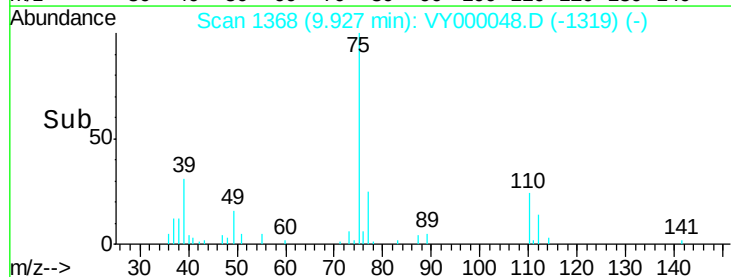
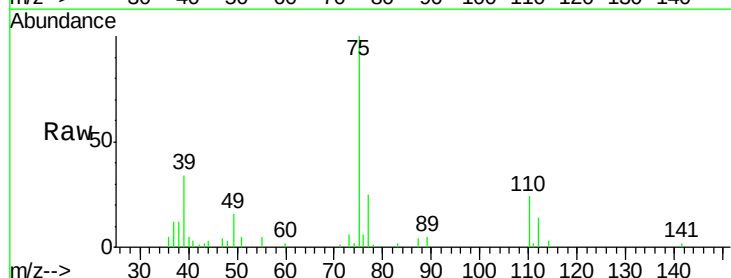
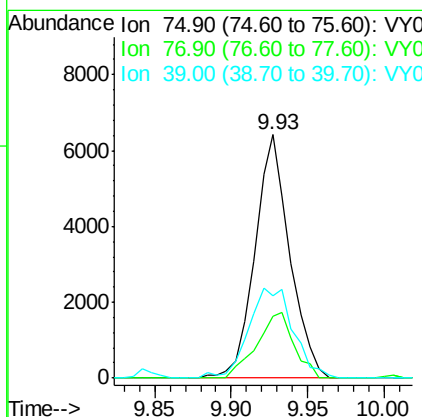
Manual Integrations
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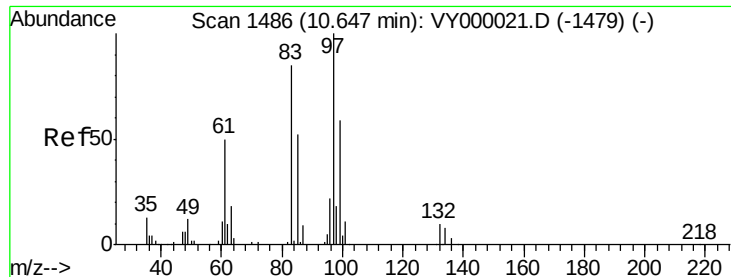
MMDadoda
9/20/2019 1:02:20 AM



#54
cis-1,3-Dichloropropene
Concen: 4.480 ug/l
RT: 9.93 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	25.4	26.3	39.5#
39	33.6	32.9	49.3





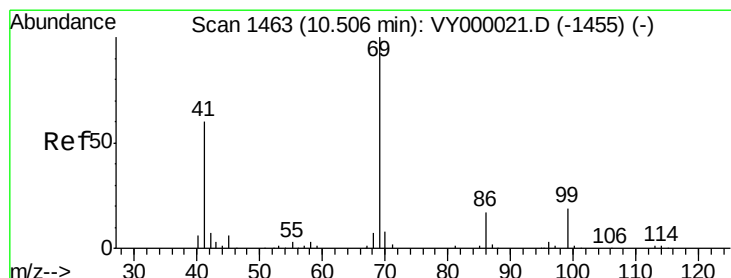
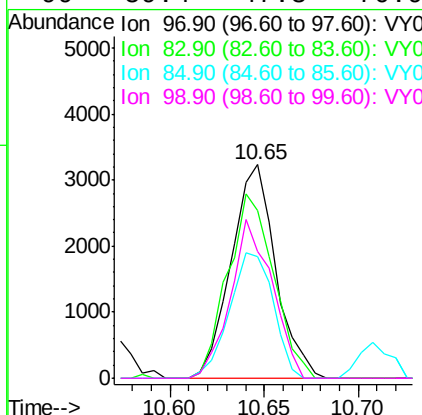
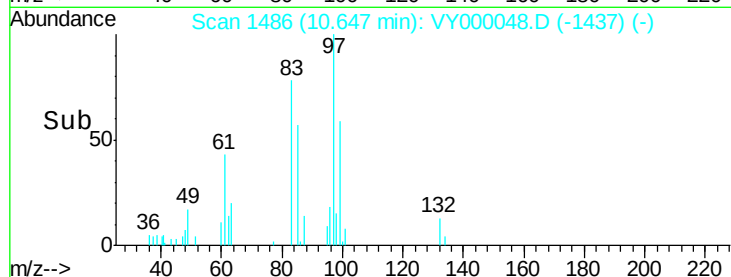
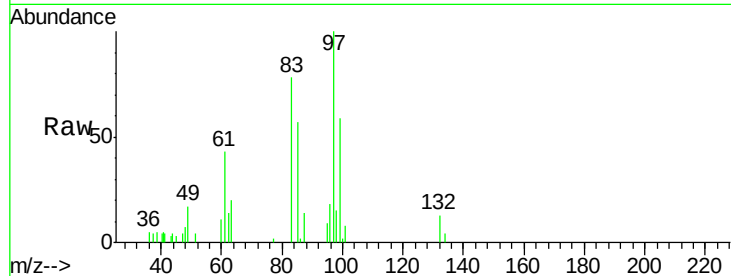
#55
 1,1,2-Trichloroethane
 Concen: 4.312 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion:	97	Resp:	5292
Ion	Ratio	Lower	Upper
97	100		
83	78.3	68.2	102.2
85	56.8	41.7	62.5
99	59.4	47.3	70.9

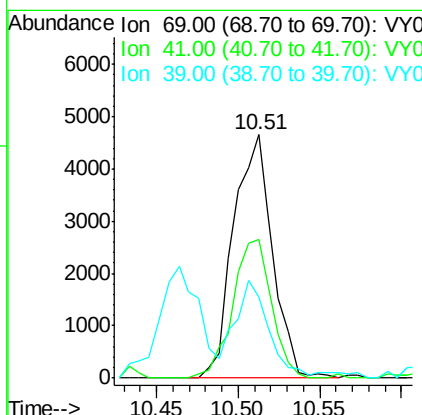
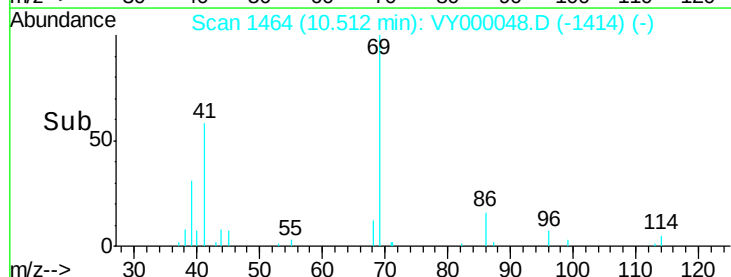
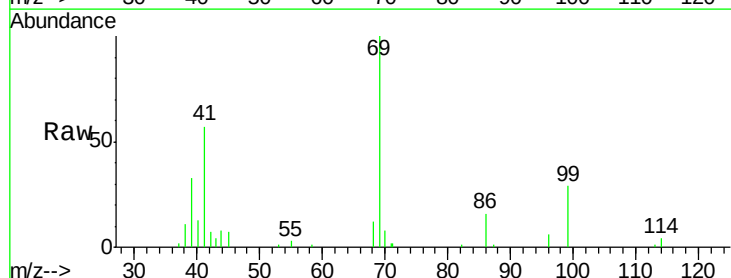
Manual Integrations
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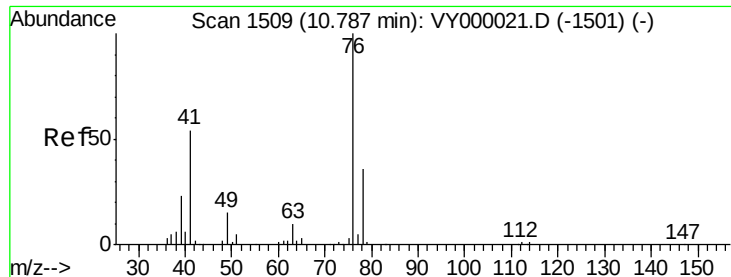
MMDadoda
 9/20/2019 1:02:20 AM



#56
 Ethyl methacrylate
 Concen: 4.484 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion:	69	Resp:	7722
Ion	Ratio	Lower	Upper
69	100		
41	56.4	47.0	70.4
39	32.0	26.4	39.6





#57

1,3-Dichloropropane

Concen: 4.513 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 76 Resp: 8857

Ion Ratio Lower Upper

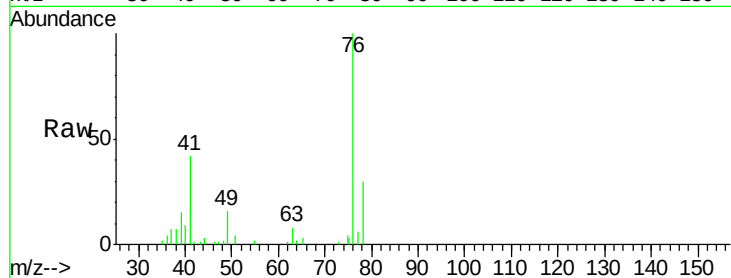
76 100

78 40.7 26.0 39.0#

Manual Integrations
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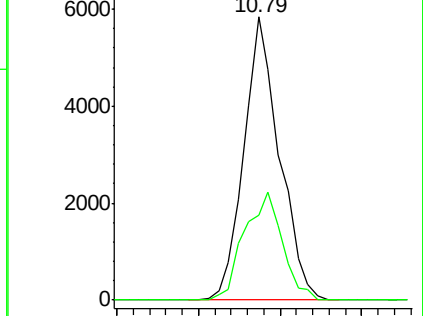
MMDadoda

9/20/2019 1:02:20 AM

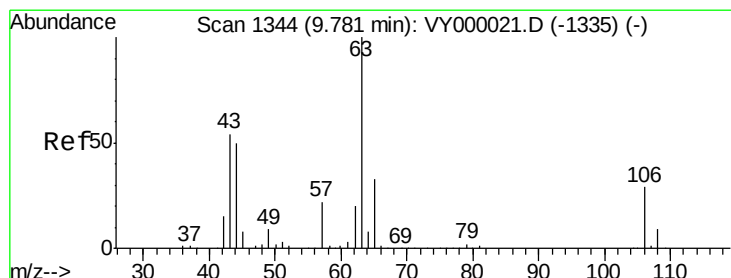
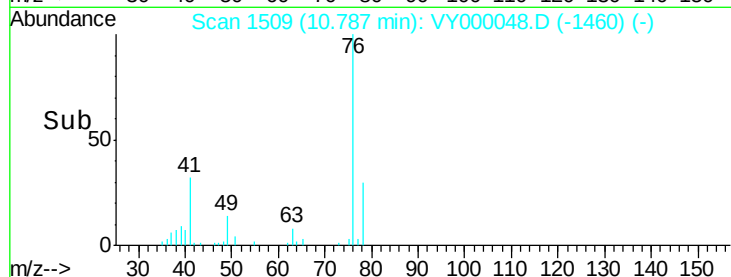


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 21.938 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000048.D

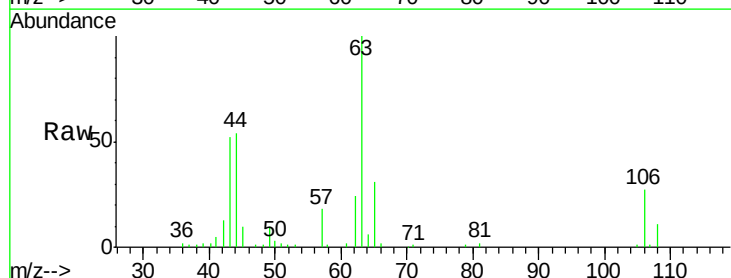
Acq: 16 Sep 2019 15:54

Tgt Ion: 63 Resp: 20697

Ion Ratio Lower Upper

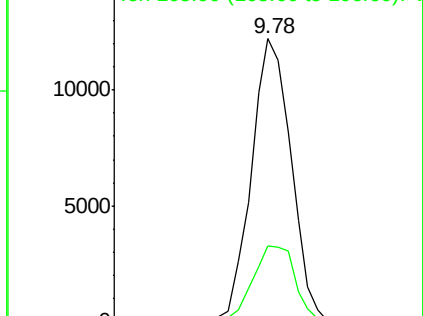
63 100

106 28.6 23.7 35.5

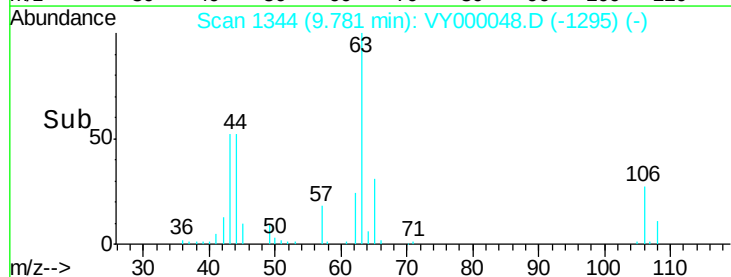


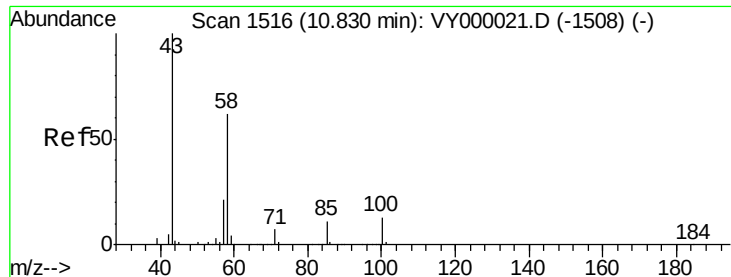
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.70 9.75 9.80 9.85





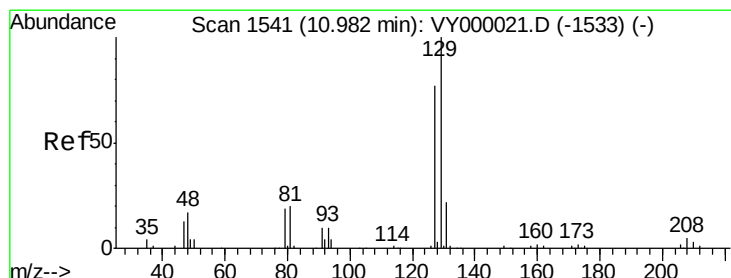
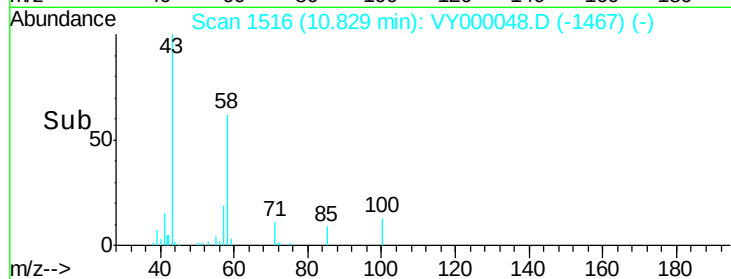
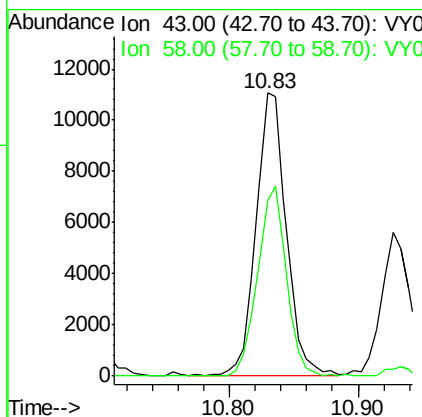
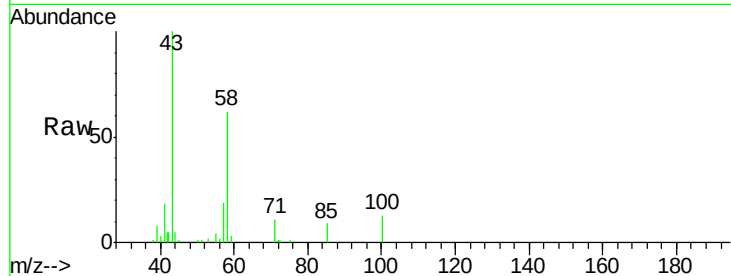
#59
2-Hexanone
Concen: 20.460 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	43	Resp	17944
Ion Ratio	100	Lower	Upper
43	100		
58	63.5	30.3	90.8

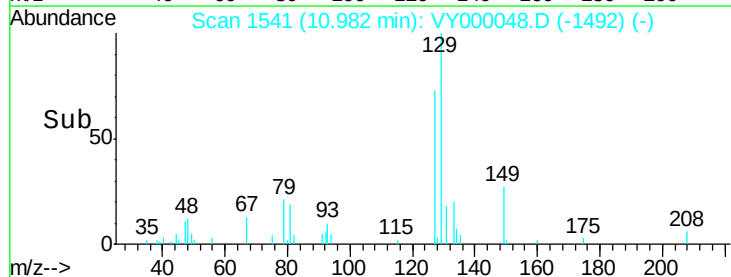
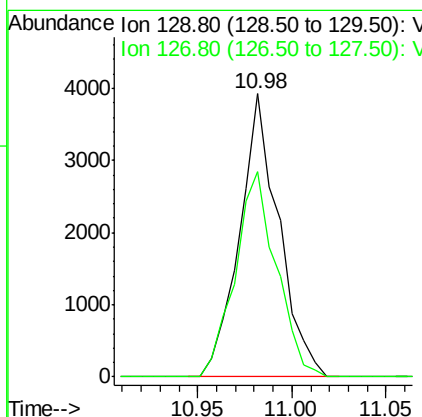
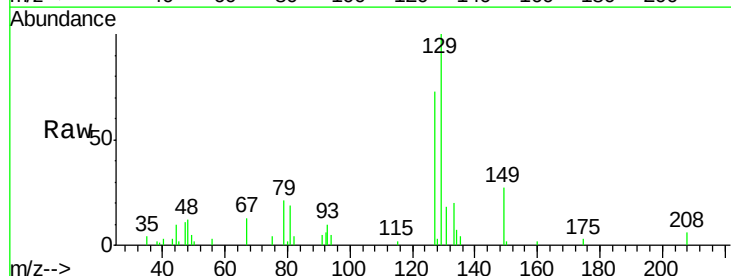
Manual Integrations
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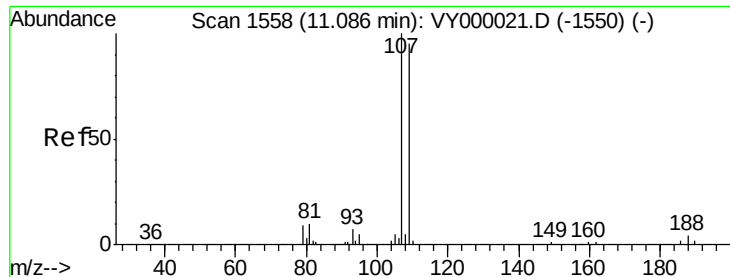
MMDadoda
9/20/2019 1:02:20 AM



#60
Dibromochloromethane
Concen: 4.380 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	129	Resp	5664
Ion Ratio	100	Lower	Upper
129	100		
127	76.0	38.4	115.2





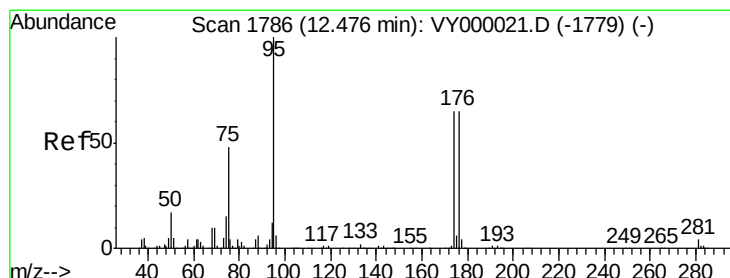
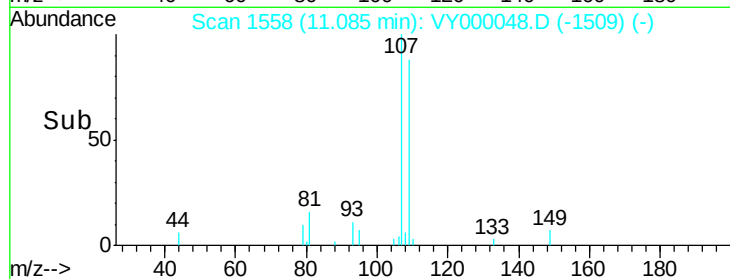
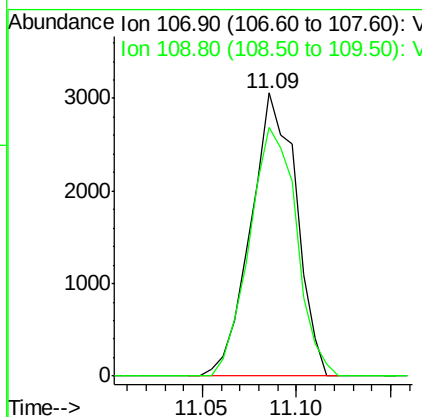
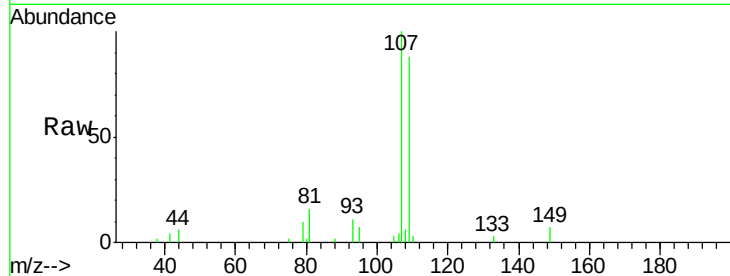
#61
 1,2-Dibromoethane
 Concen: 4.718 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion: 107 Resp: 5114
 Ion Ratio Lower Upper
 107 100
 109 90.7 76.7 115.1

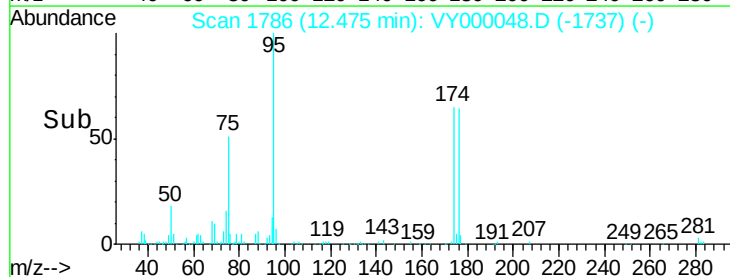
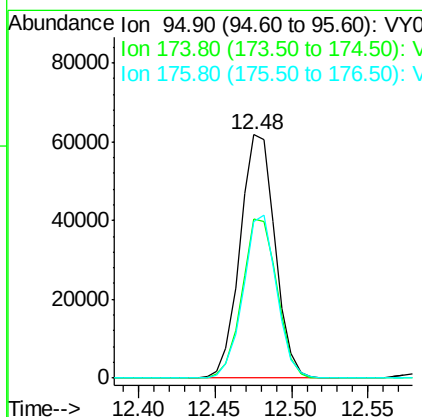
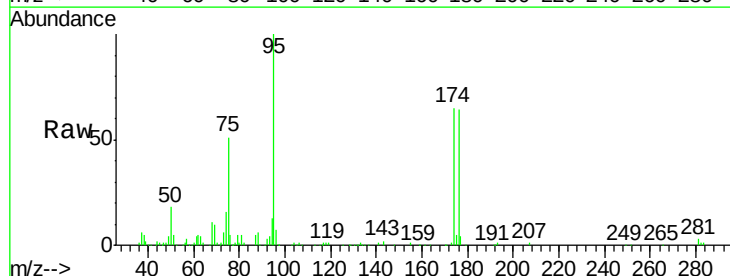
Manual Integrations
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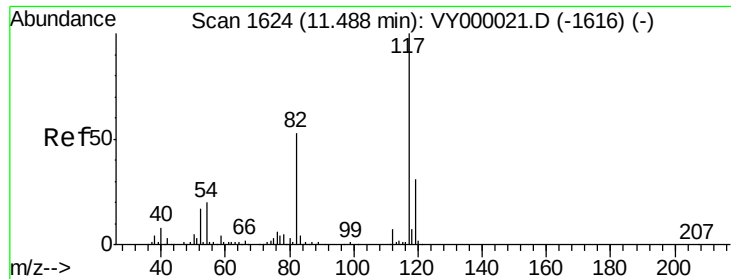
MMDadoda
 9/20/2019 1:02:20 AM



#62
 4-Bromofluorobenzene
 Concen: 51.471 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion: 95 Resp: 97826
 Ion Ratio Lower Upper
 95 100
 174 65.3 0.0 137.6
 176 63.8 0.0 134.8





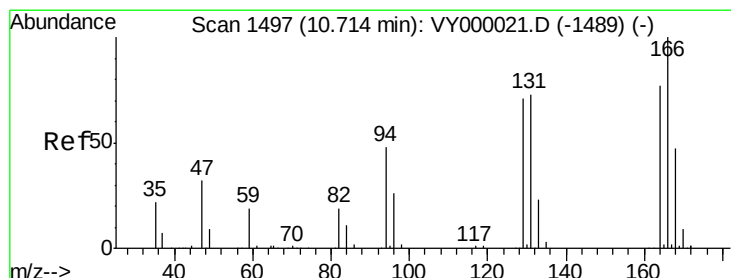
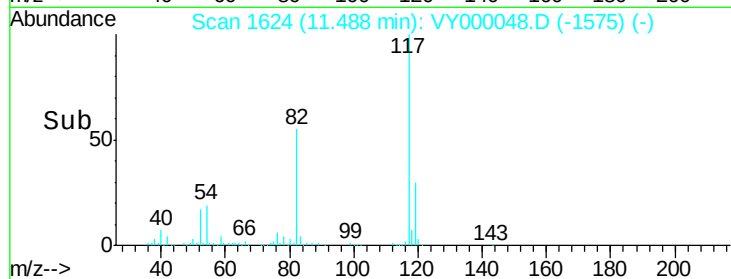
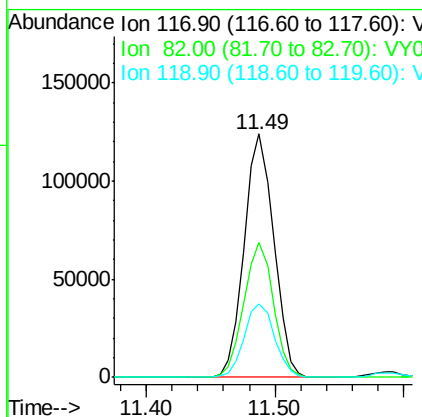
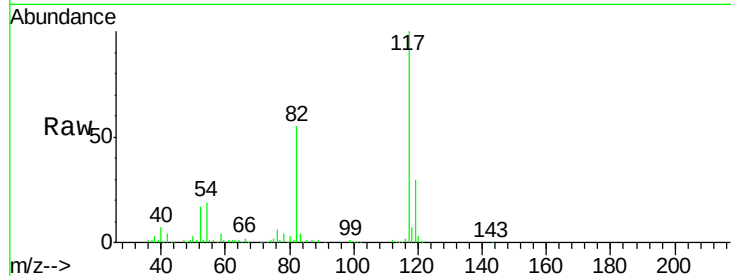
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Resp	Lower	Upper
117	100	196825		
82	55.1	42.5	63.7	
119	30.3	25.1	37.7	

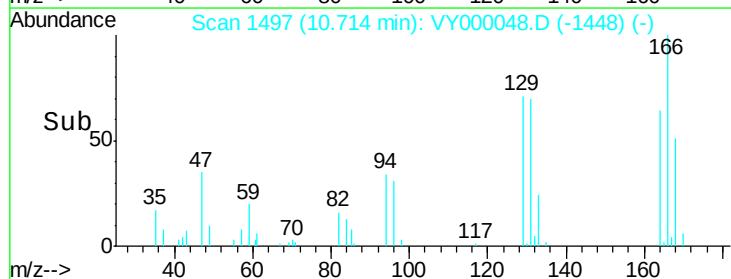
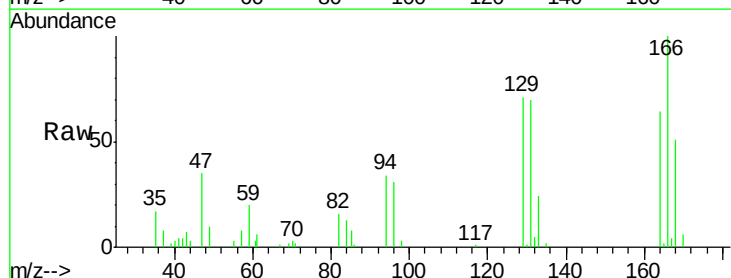
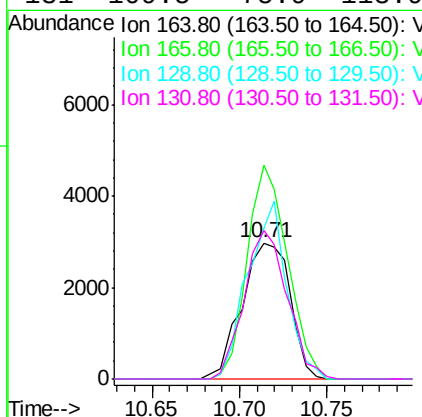
Manual Integrations
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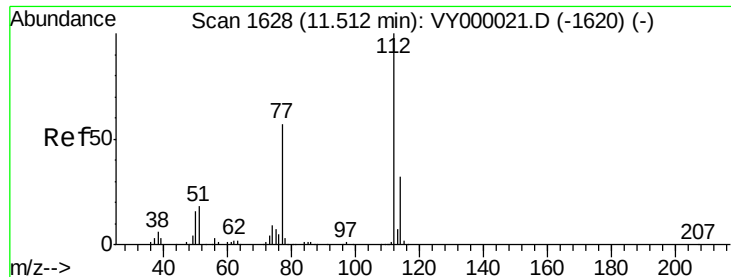
MMDadoda
9/20/2019 1:02:20 AM



#64
Tetrachloroethene
Concen: 4.710 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5685		
166	157.3	103.4	155.0#	
129	111.7	73.4	110.0#	
131	109.5	75.9	113.9	





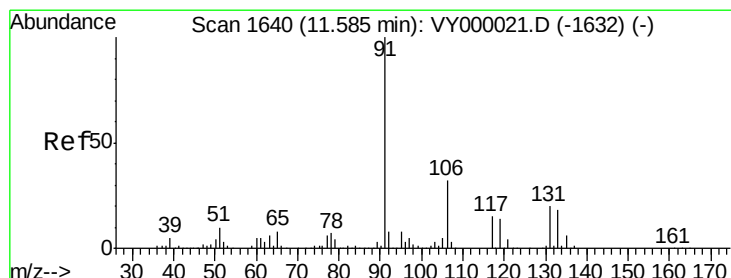
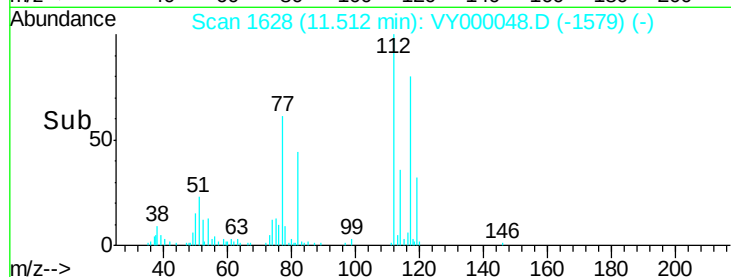
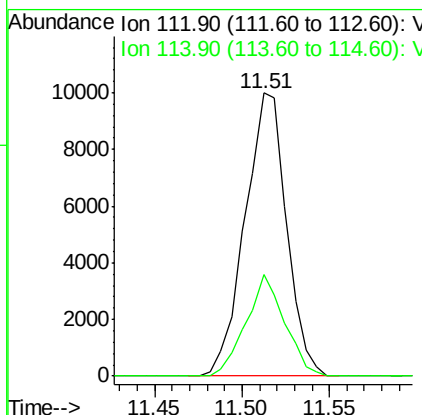
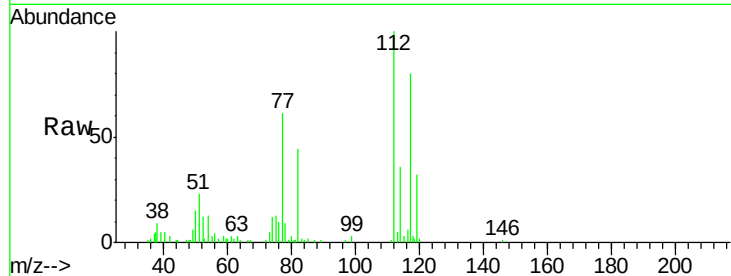
#65
Chlorobenzene
Concen: 4.396 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion:112 Resp: 16486
Ion Ratio Lower Upper
112 100
114 36.1 25.4 38.2

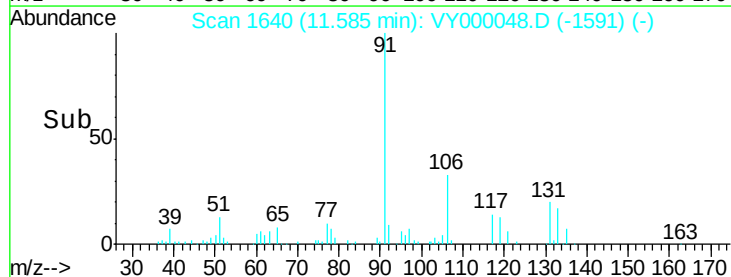
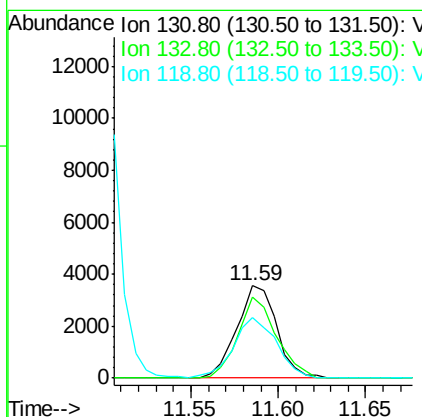
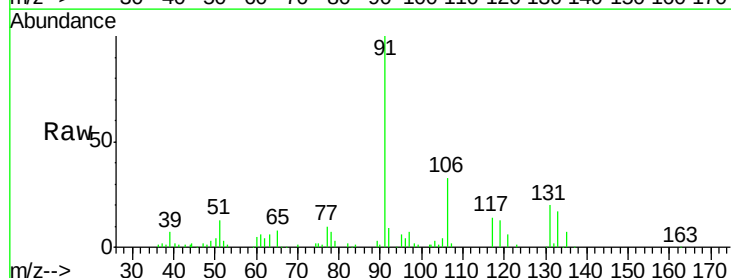
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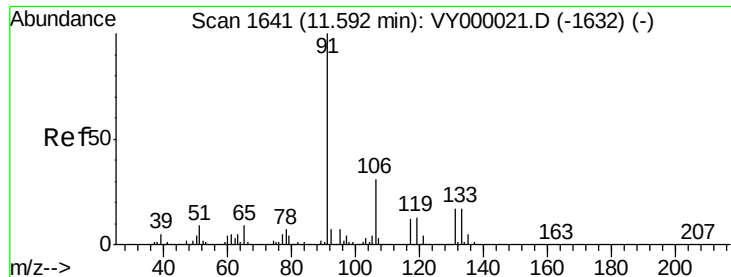
MMDadoda
9/20/2019 1:02:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.352 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion:131 Resp: 5656
Ion Ratio Lower Upper
131 100
133 85.0 47.2 141.6
119 70.7 35.4 106.3





#67

Ethyl Benzene

Concen: 4.302 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion: 91 Resp: 29312

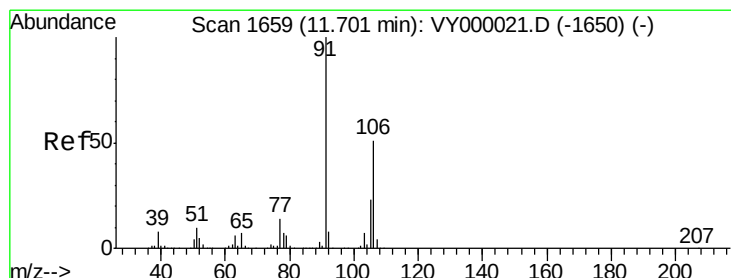
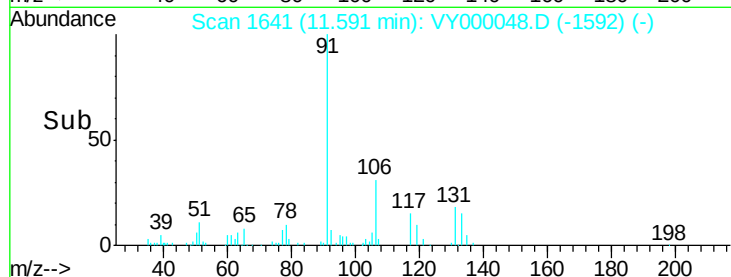
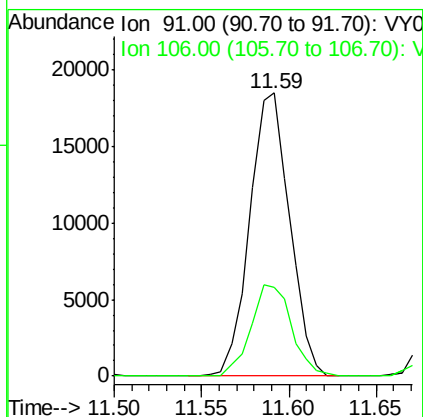
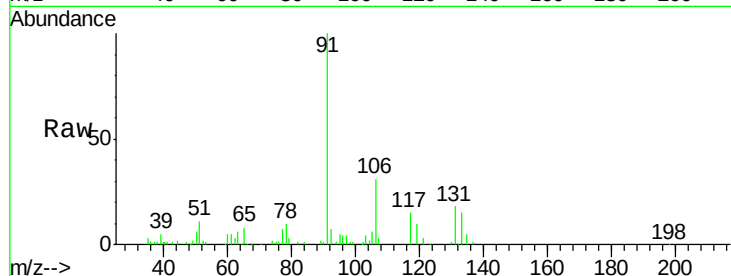
Ion Ratio Lower Upper

91 100

106 31.3 24.6 37.0

Manual Integrations
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MMDadoda
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#68

m/p-Xylenes

Concen: 8.864 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VY000048.D

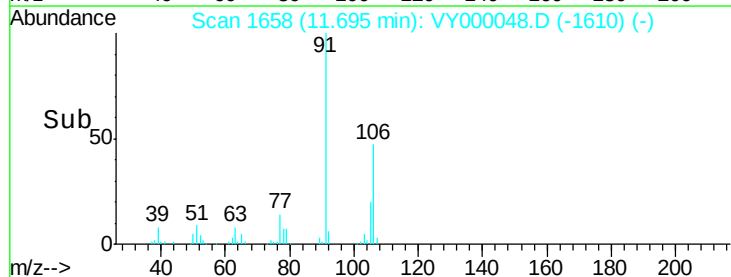
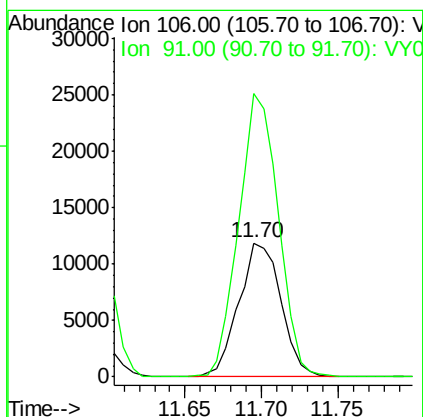
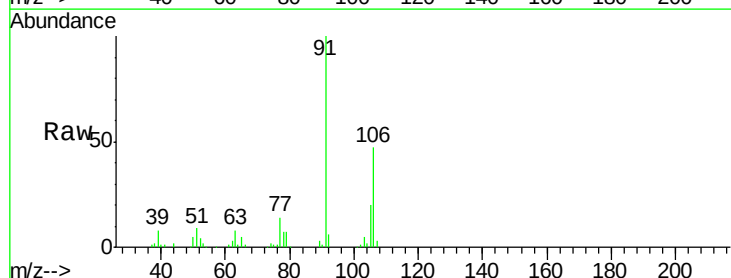
Acq: 16 Sep 2019 15:54

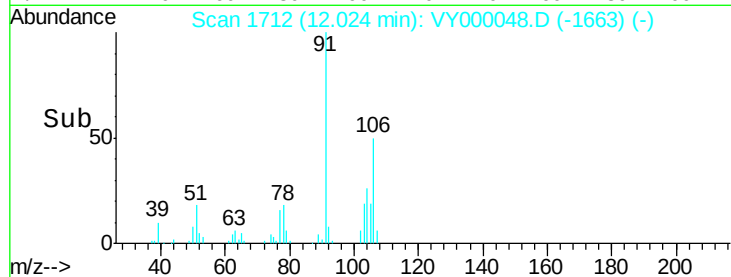
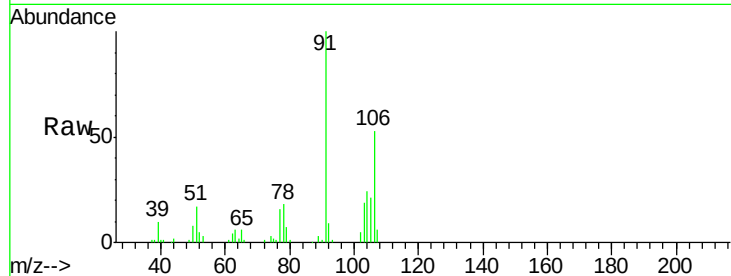
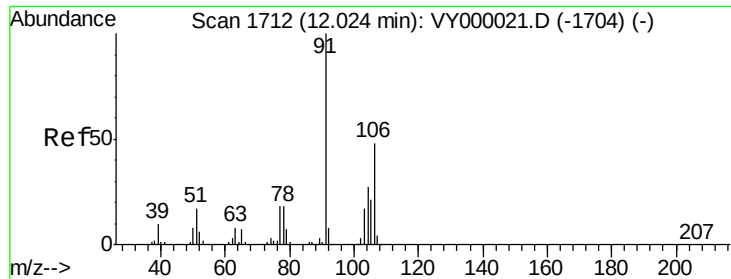
Tgt Ion: 106 Resp: 22791

Ion Ratio Lower Upper

106 100

91 198.7 158.5 237.7





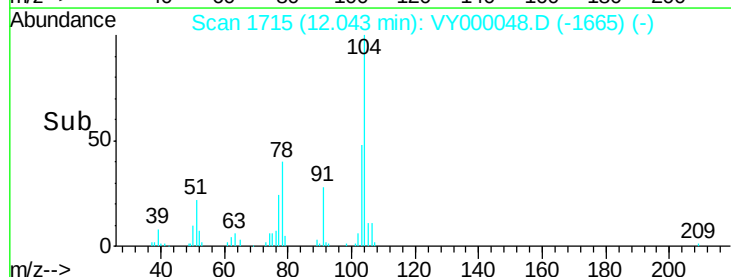
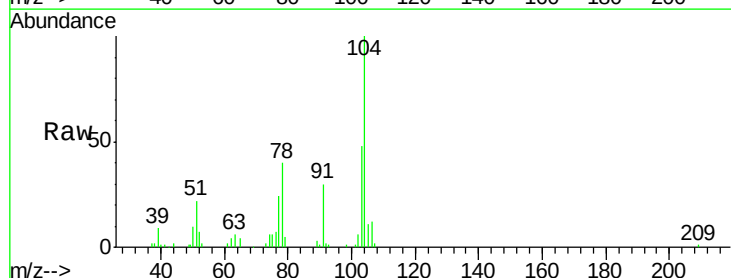
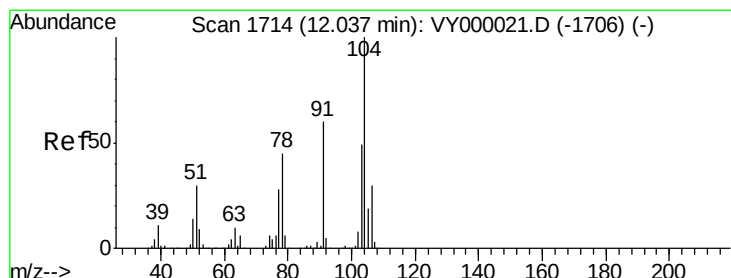
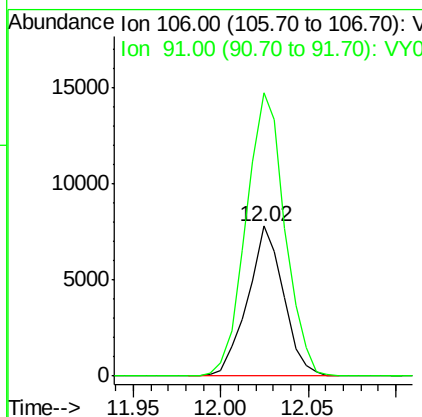
#69
o-Xylene
Concen: 4.417 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tot Ion	Ion	Ratio	Resp	Lower	Upper
11131	106	100			
	91	204.1	104.0	312.0	

Instrument :
MSVOA_Y
ClientSampled :
MDL3

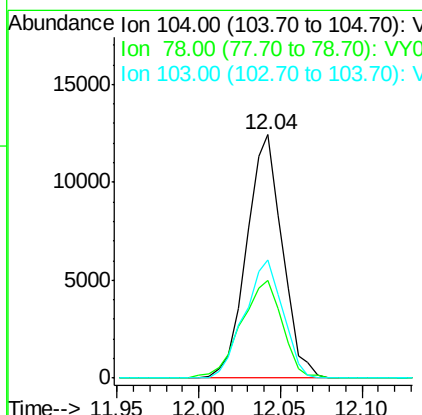
Manual Integrations
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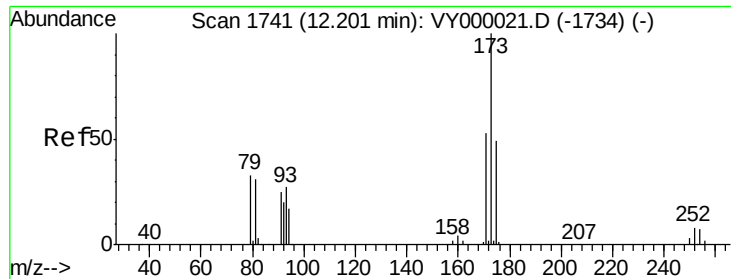
MMDadoda
9/20/2019 1:02:20 AM



#70
Styrene
Concen: 4.323 ug/l
RT: 12.04 min Scan# 1715
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
18952	104	100			
	78	46.3	38.0	57.0	
	103	52.0	42.4	63.6	





#71

Bromoform

Concen: 4.068 ug/l

RT: 12.21 min Scan# 1742

Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

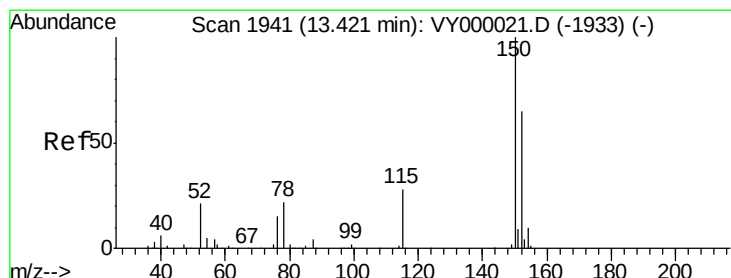
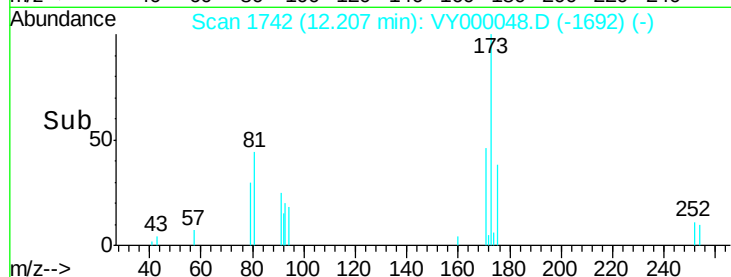
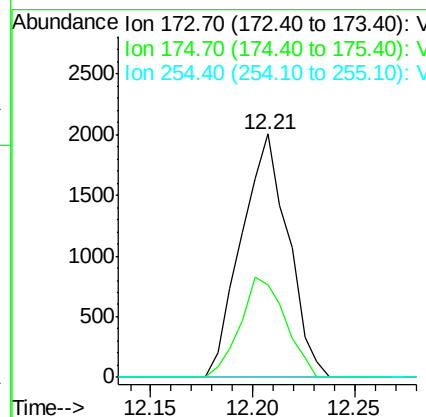
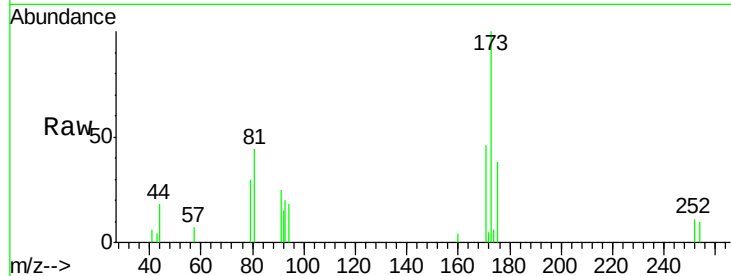
ClientSampled :

MDL3

Tot Ion:	173	Resp:	3192
Ion Ratio	Lower	Upper	
173	100		
175	39.7	25.1	75.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

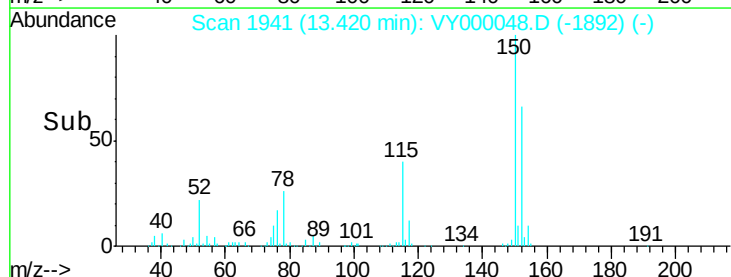
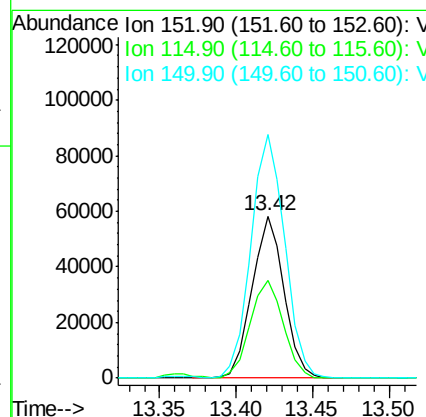
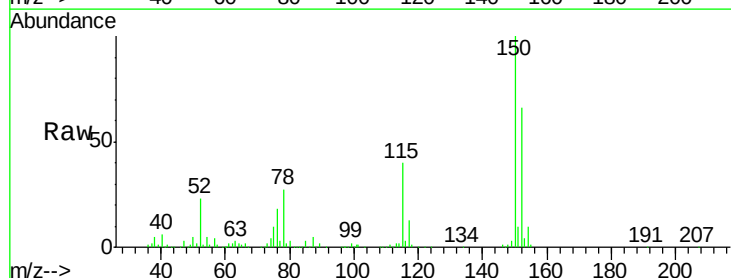
RT: 13.42 min Scan# 1941

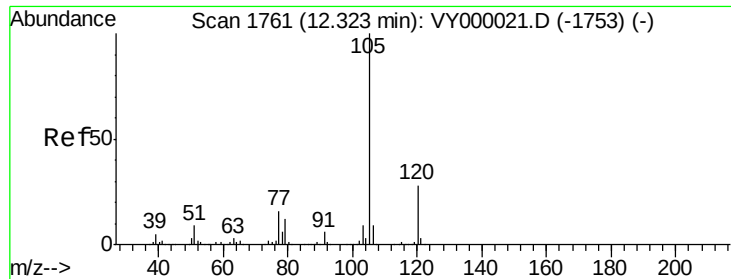
Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tgt Ion:	152	Resp:	84194
Ion Ratio	Lower	Upper	
152	100		
115	63.0	29.4	88.2
150	159.9	0.0	349.0





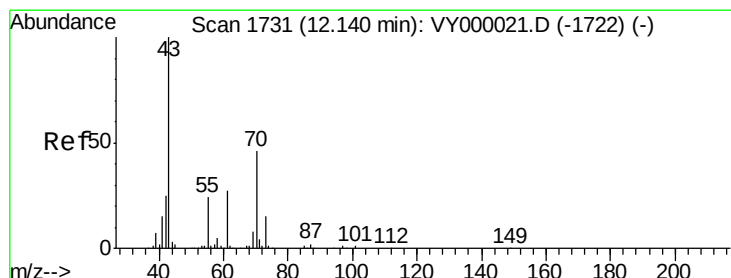
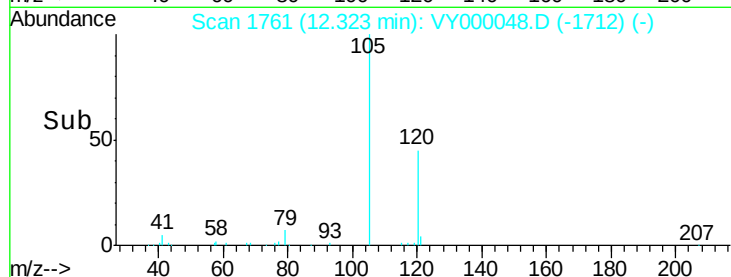
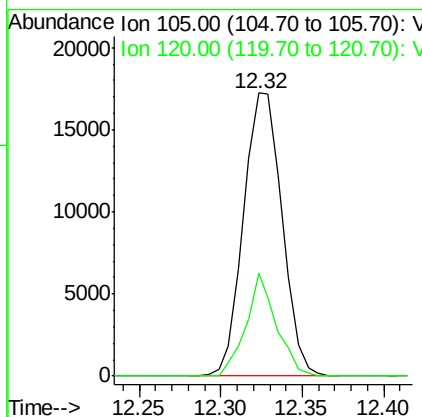
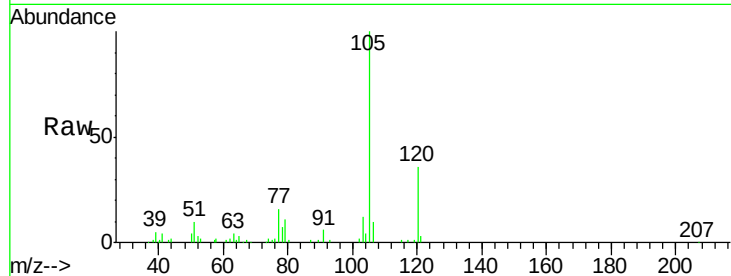
#73
Isopropylbenzene
Concen: 4.399 ug/l
RT: 12.32 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.7	13.9	41.6

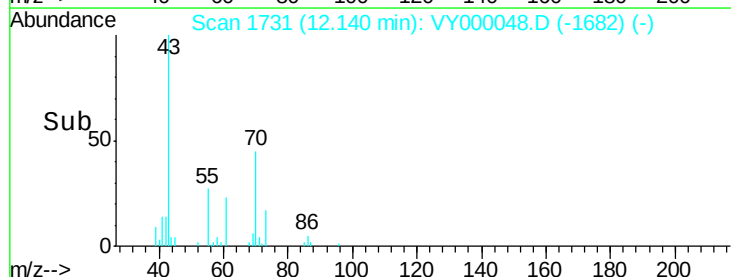
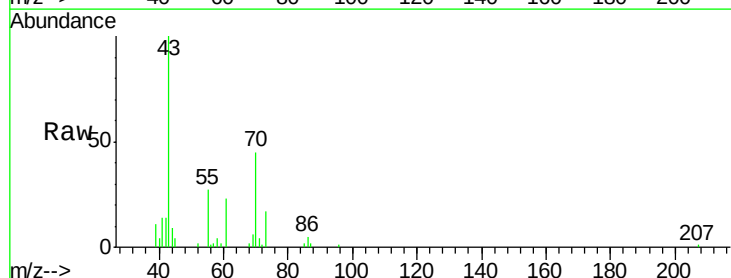
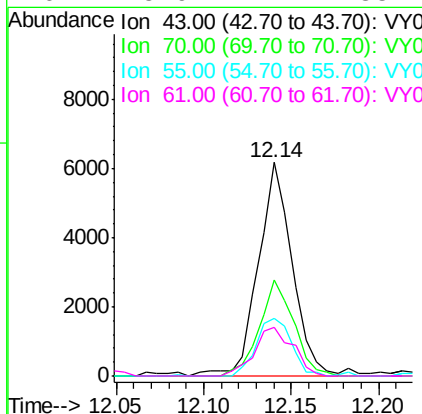
Manual Integrations
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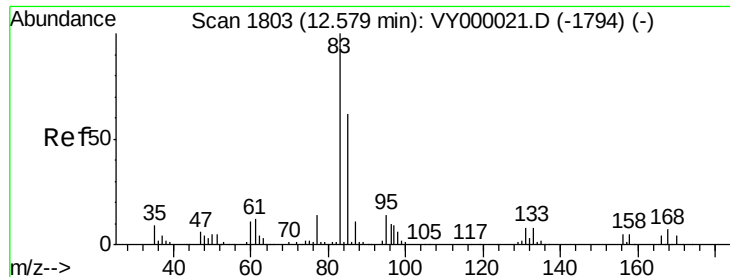
MMDadoda
9/20/2019 1:02:20 AM



#74
N-ethyl acetate
Concen: 4.378 ug/l
RT: 12.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	38.1	57.1
55	28.0	18.7	28.1
61	25.9	22.1	33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.612 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

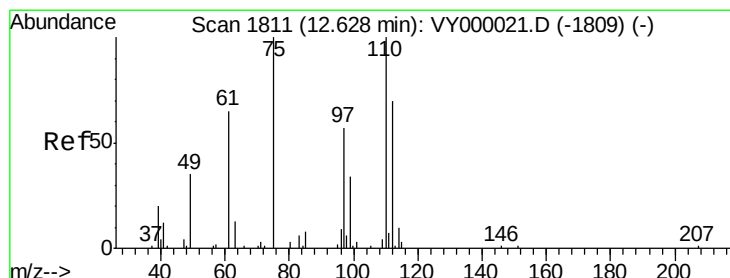
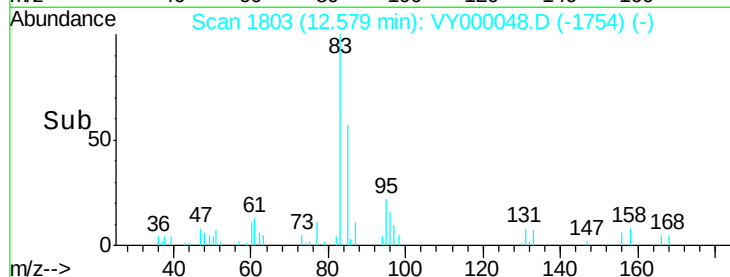
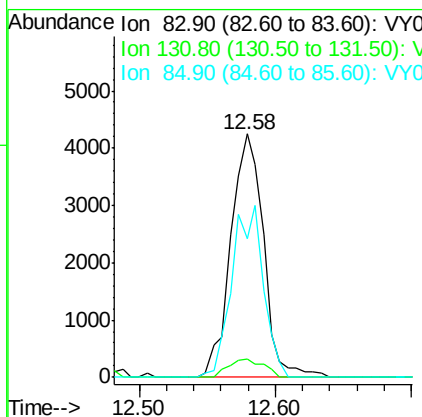
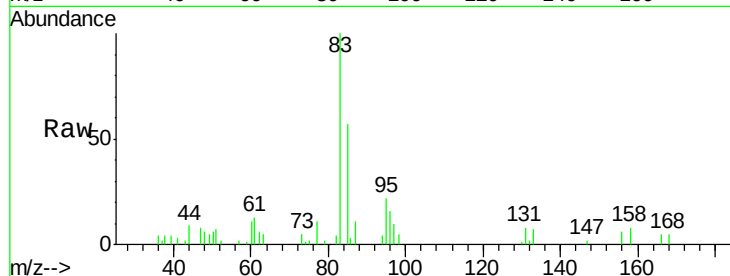
ClientSampled :

MDL3

Tot Ion:	83	Resp:	7093
Ion	Ratio	Lower	Upper
83	100		
131	8.1	4.6	13.8
85	67.9	31.8	95.3

Manual Integrations
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MMDadoda
9/20/2019 1:02:20 AM



#76

1,2,3-Trichloropropane

Concen: 3.498 ug/l m

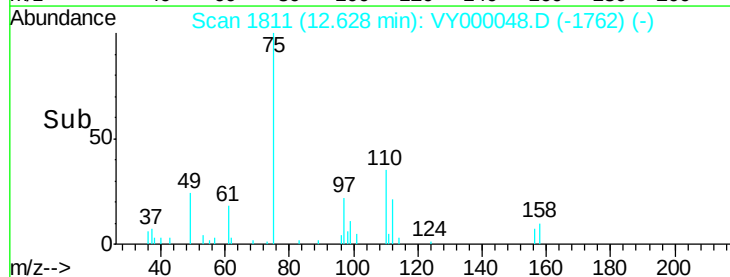
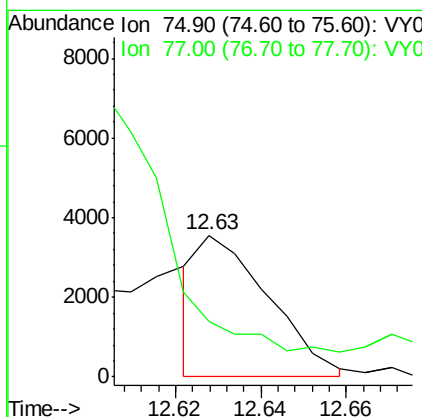
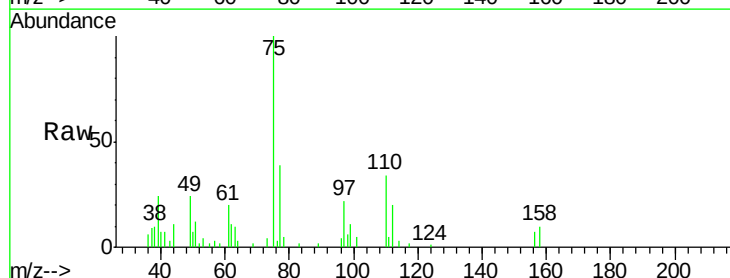
RT: 12.63 min Scan# 1811

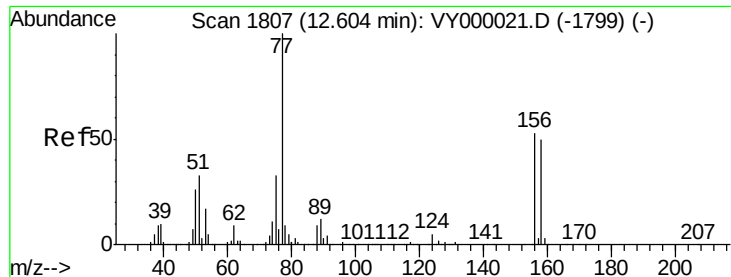
Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tgt Ion:	75	Resp:	4091
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.401 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

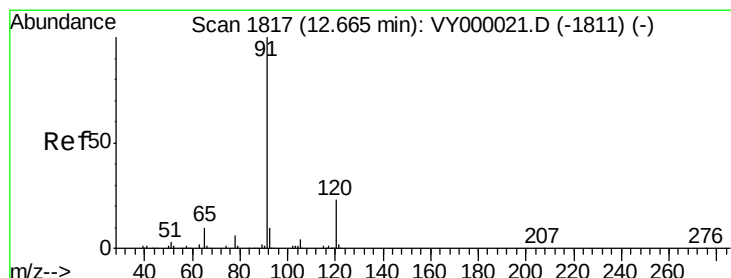
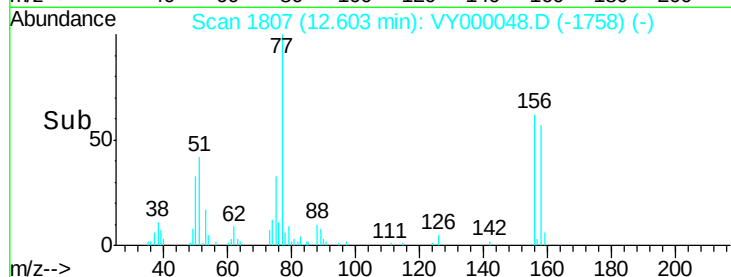
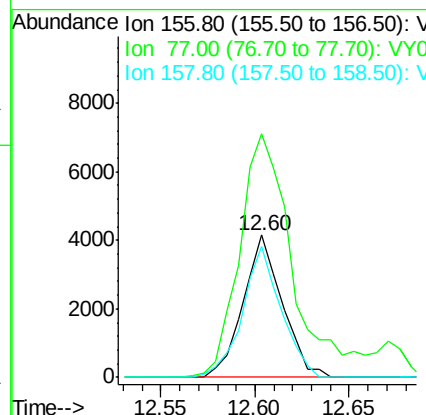
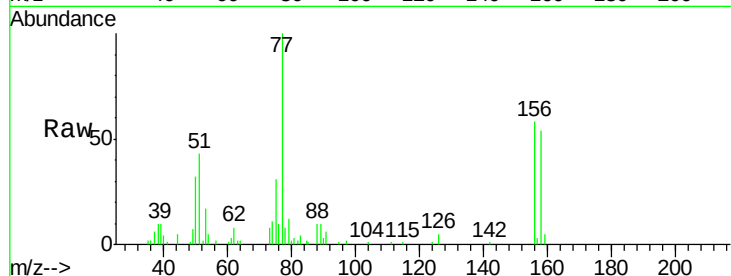
ClientSampleId :

MDL3

Tot Ion:	156	Resp:	5989
Ion	Ratio	Lower	Upper
156	100		
77	232.3	106.0	317.9
158	90.6	47.3	141.9

Manual Integrations
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#78

n-propylbenzene

Concen: 4.450 ug/l

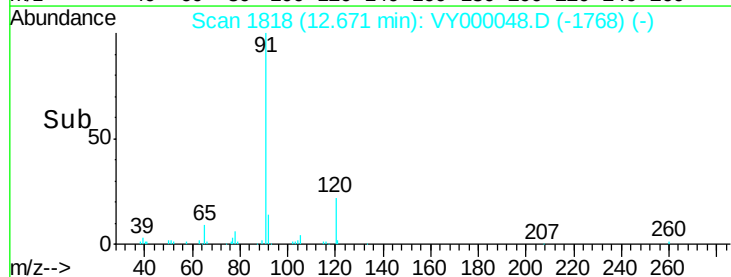
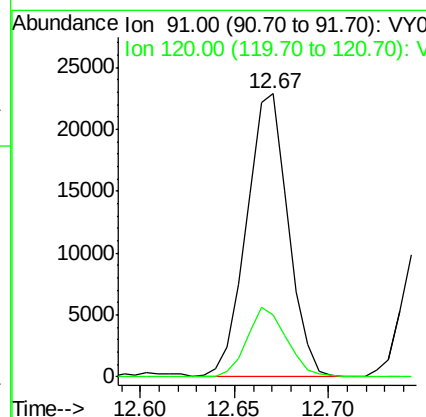
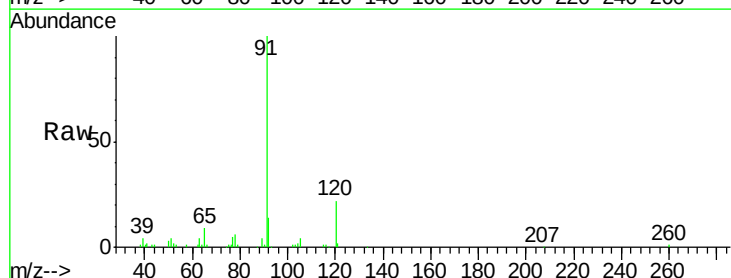
RT: 12.67 min Scan# 1818

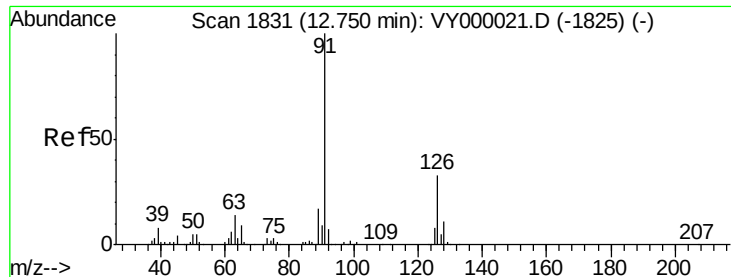
Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tgt Ion:	91	Resp:	34983
Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.7





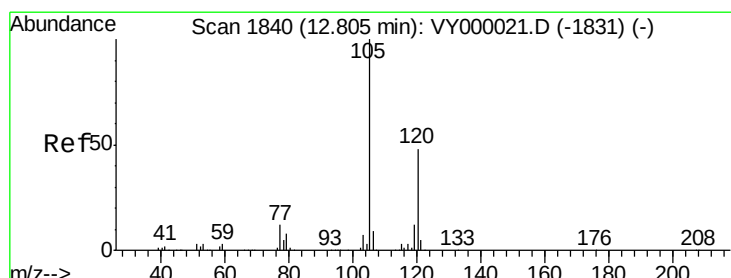
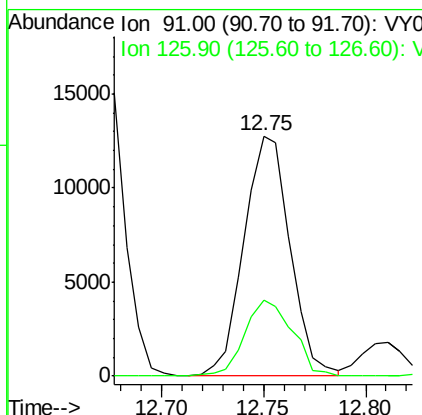
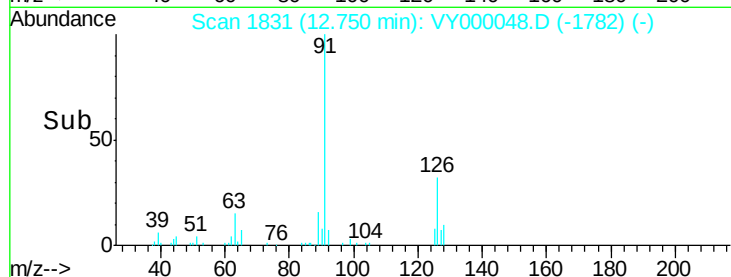
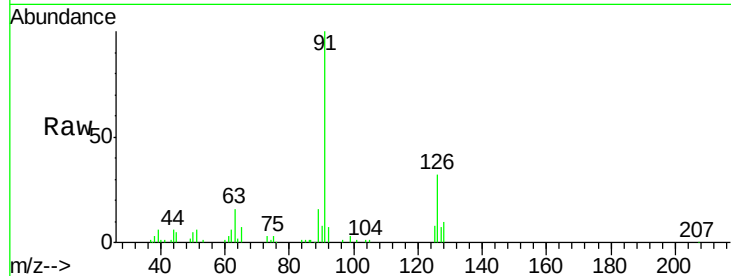
#79
 2-Chlorotoluene
 Concen: 4.577 ug/l
 RT: 12.75 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.9	50.7

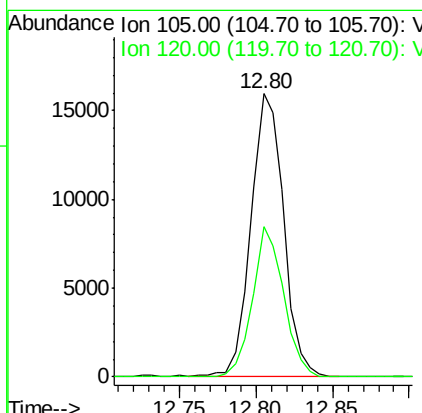
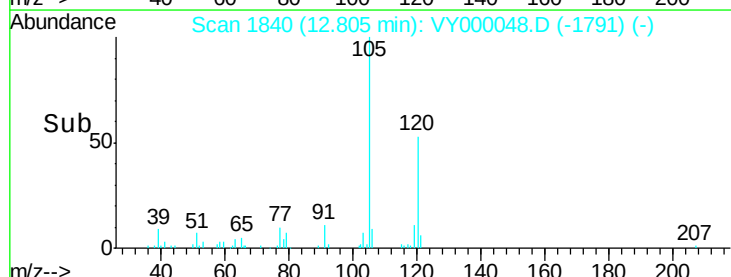
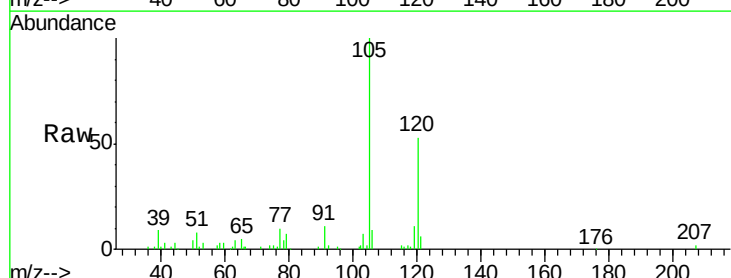
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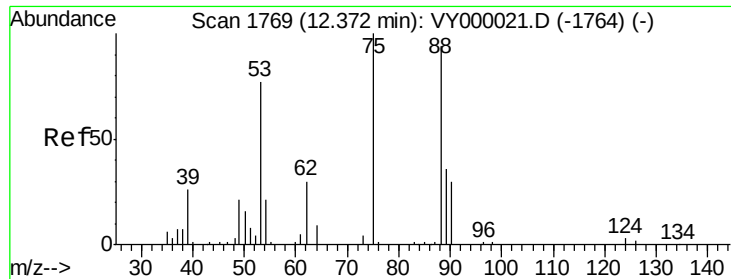
MMDadoda
 9/20/2019 1:02:20 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.409 ug/l
 RT: 12.80 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.4	24.3	73.0





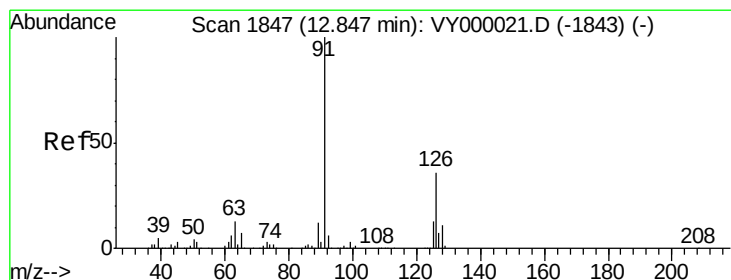
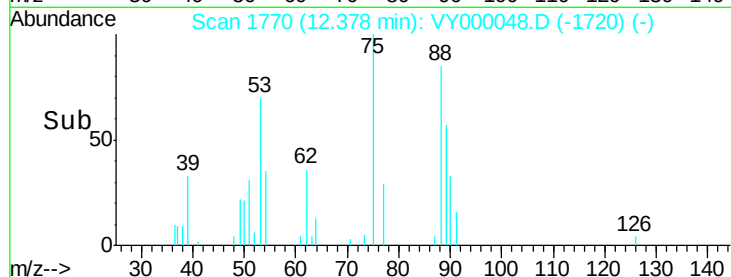
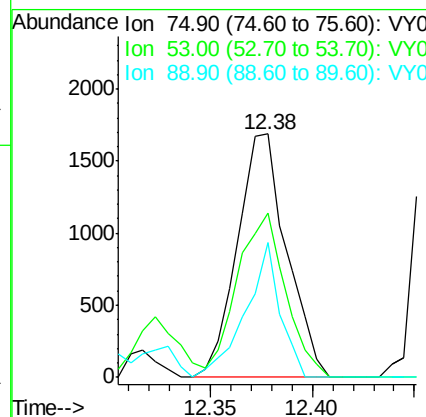
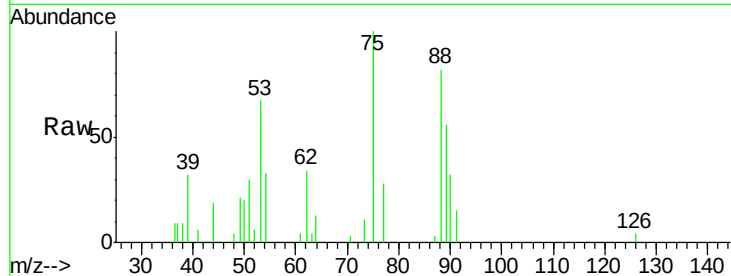
#81
trans-1,4-Dichloro-2-butene
Concen: 4.824 ug/l
RT: 12.38 min Scan# 1770
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
75	100		
53	65.6	64.2	96.2
89	38.5	35.5	53.3

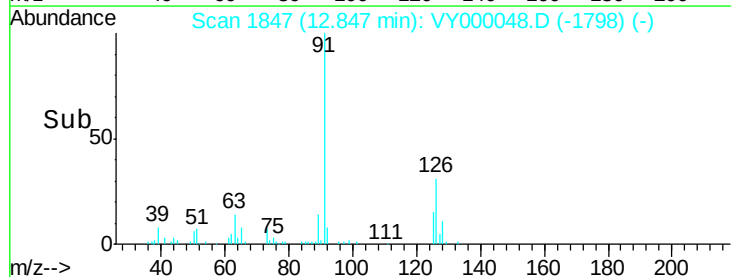
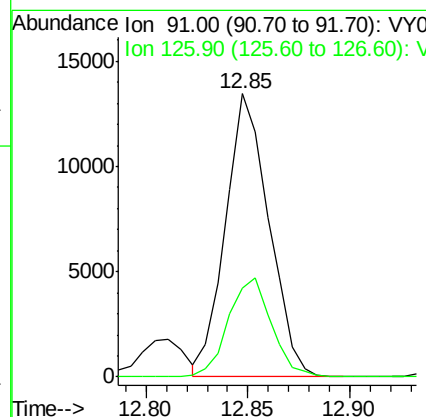
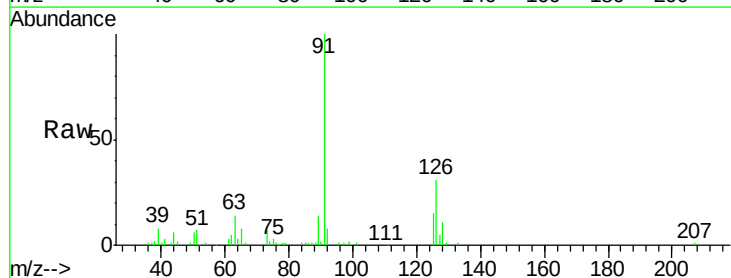
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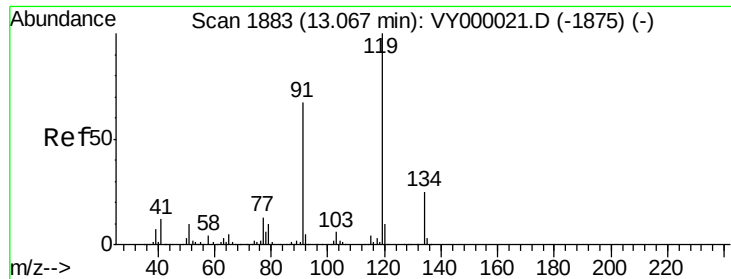
MMDadoda
9/20/2019 1:02:20 AM



#82
4-Chlorotoluene
Concen: 4.290 ug/l
RT: 12.85 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.2	51.5





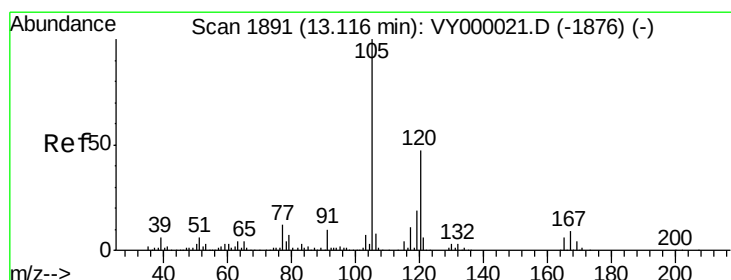
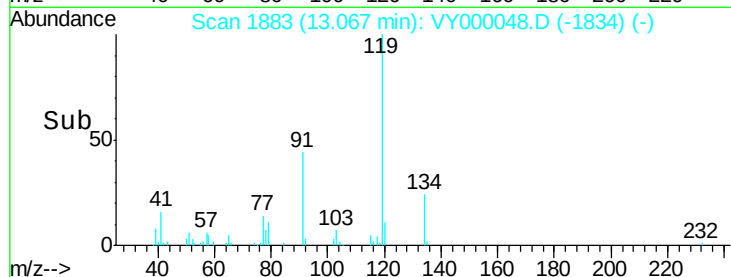
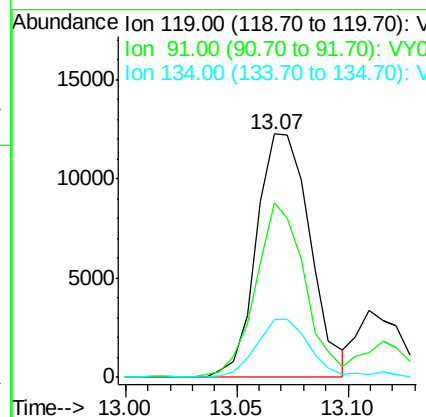
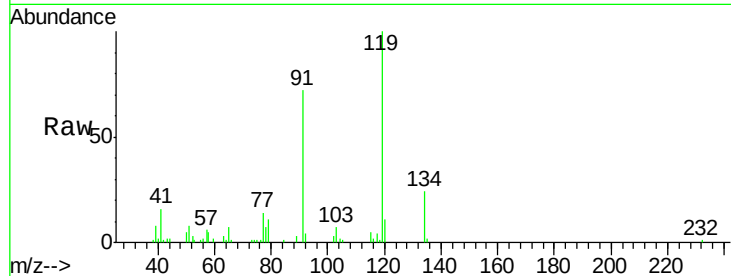
#83
 tert-Butylbenzene
 Concen: 4.446 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.1	99.5
134	24.6	13.5	40.5

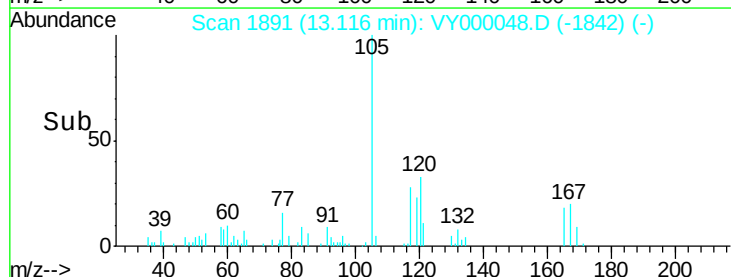
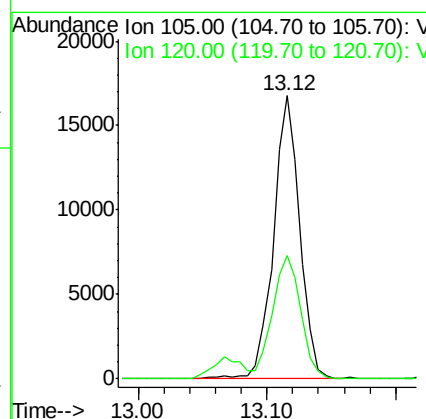
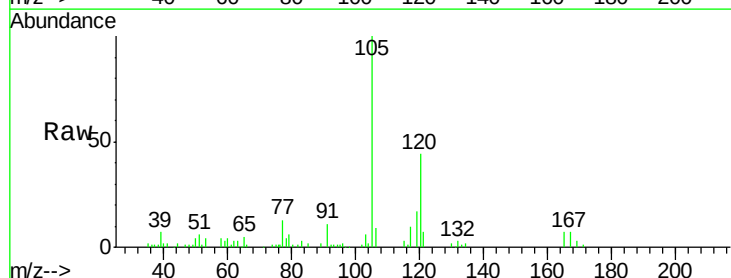
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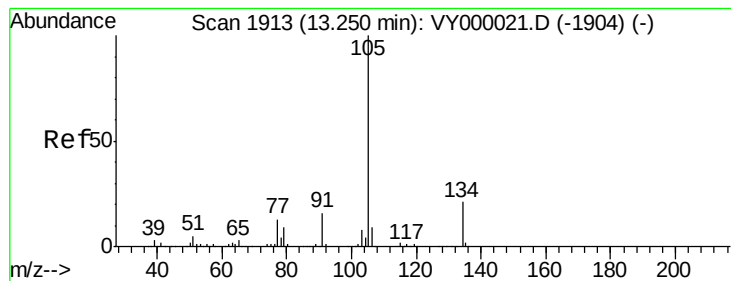
MMDadoda
 9/20/2019 1:02:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 4.487 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 4.597 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion:105 Resp: 31308

Ion Ratio Lower Upper

105 100

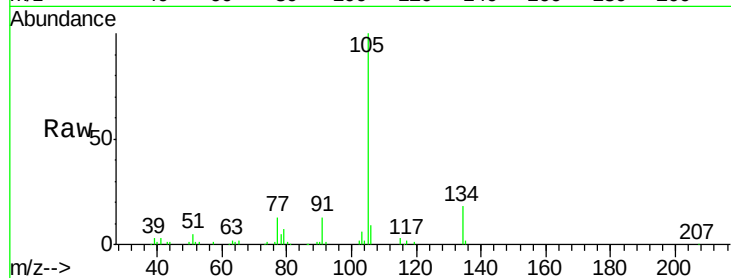
134 20.5 10.1 30.1

Manual Integrations

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MMDadoda

9/20/2019 1:02:20 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

25000

20000

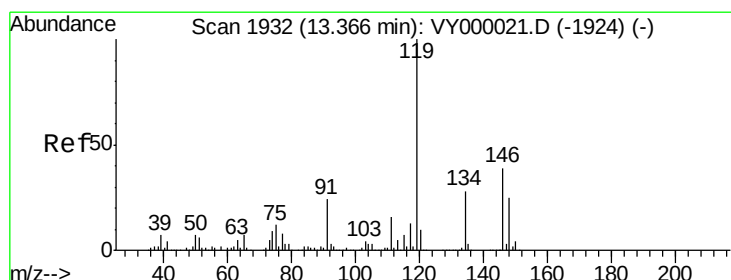
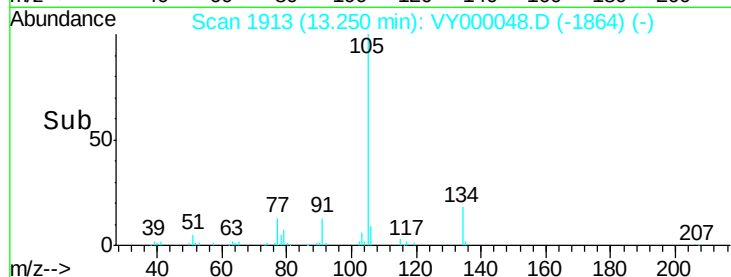
15000

10000

5000

0

Time-->



#86

p-Isopropyltoluene

Concen: 4.287 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

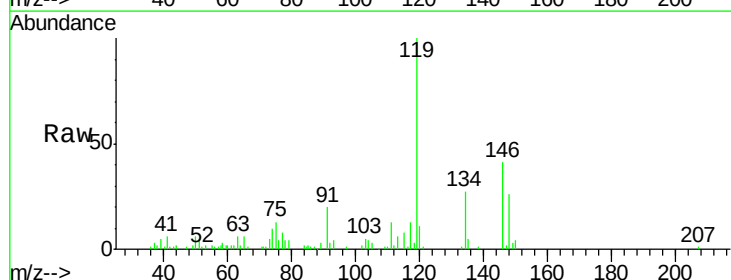
Tgt Ion:119 Resp: 24769

Ion Ratio Lower Upper

119 100

134 28.0 13.8 41.3

91 23.6 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

25000

20000

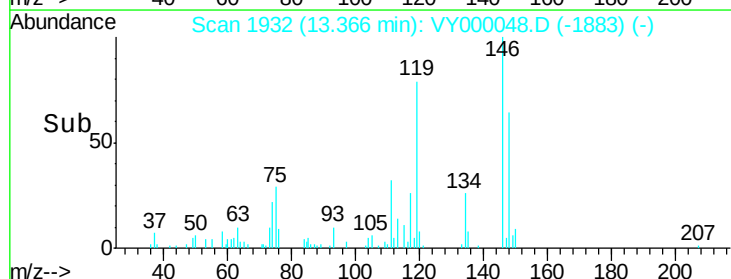
15000

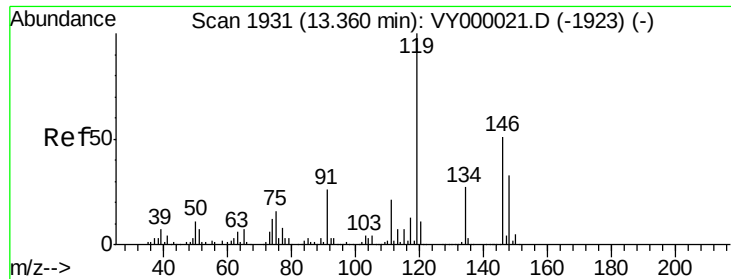
10000

5000

0

Time-->





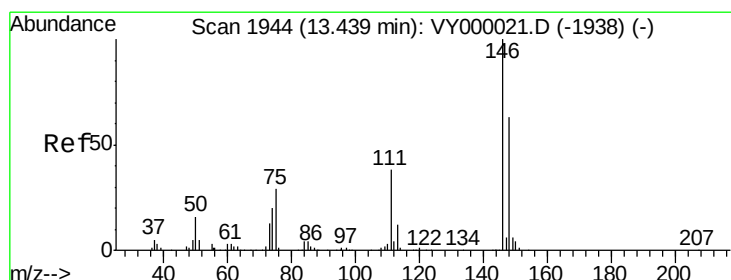
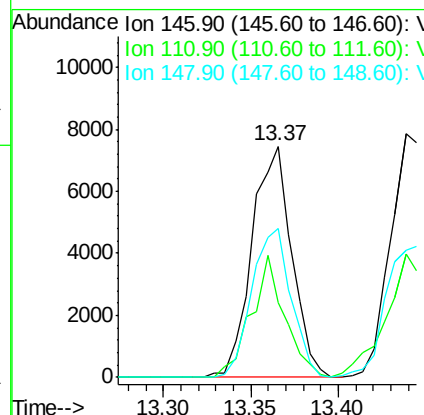
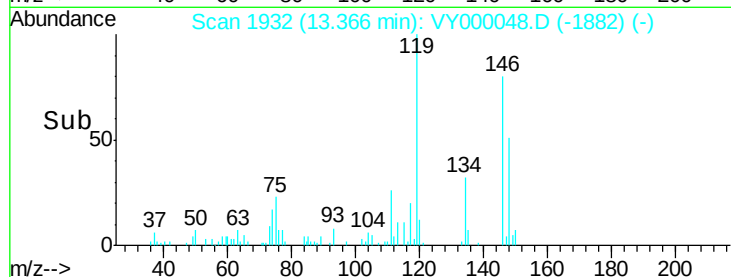
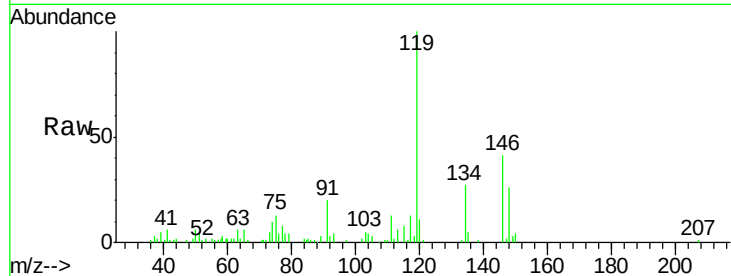
#87
 1,3-Dichlorobenzene
 Concen: 4.293 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. 0.01 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.2	63.6
148	63.8	32.1	96.5

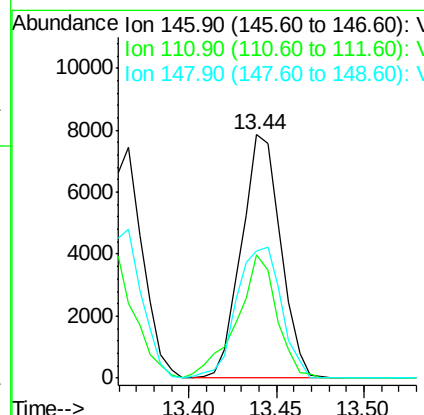
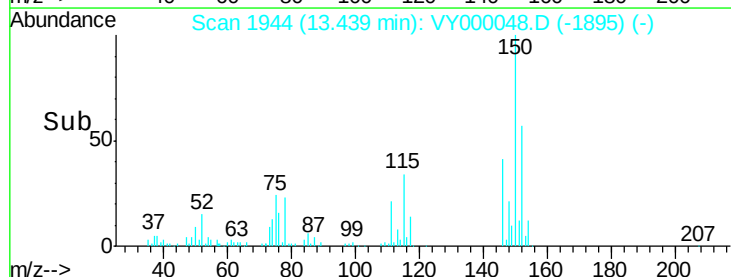
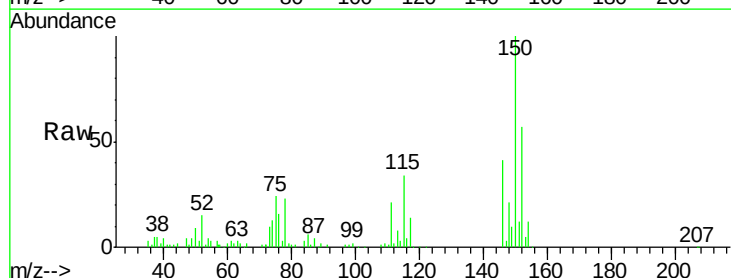
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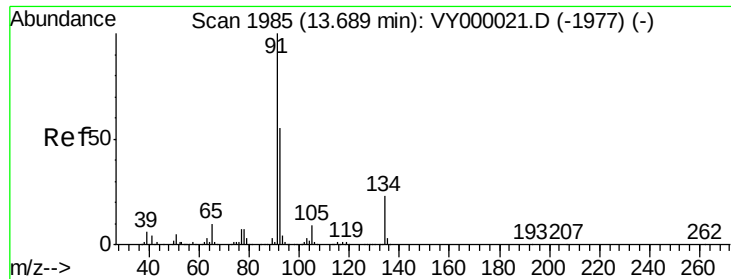
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 4.440 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.4	20.3	60.9
148	61.3	31.7	95.1





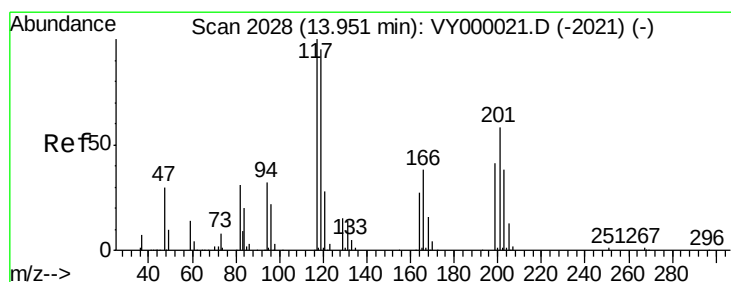
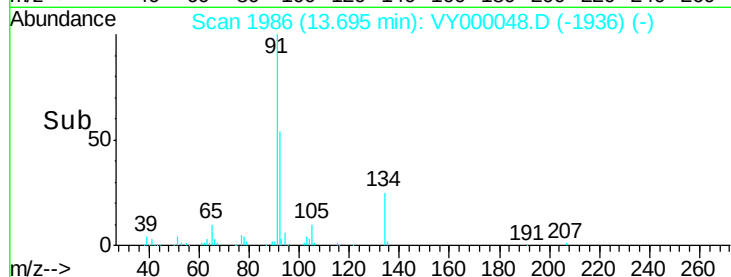
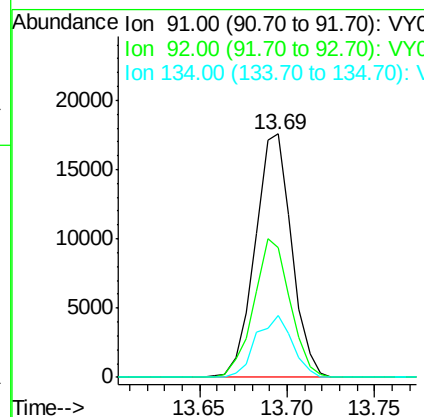
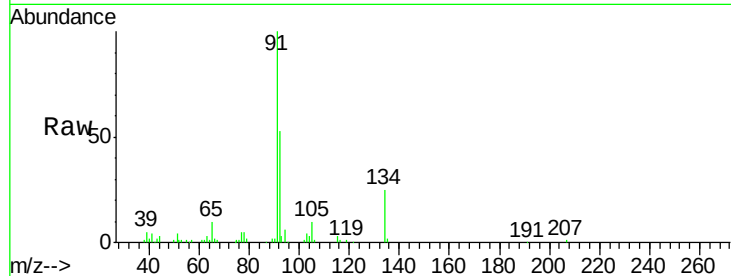
#89
n-Butylbenzene
Concen: 4.390 ug/l
RT: 13.69 min Scan# 1986
Delta R.T. 0.01 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
91	100		
92	56.8	27.2	81.6
134	25.0	12.6	37.6

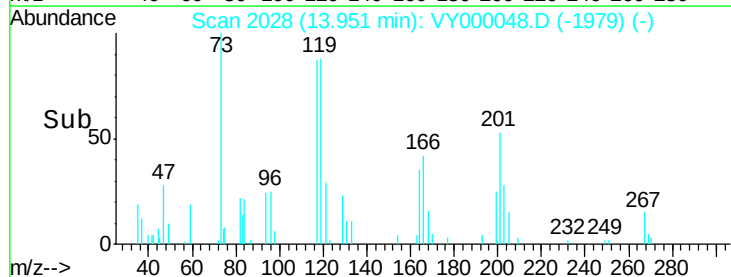
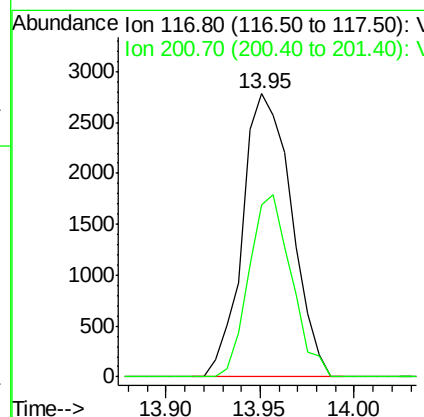
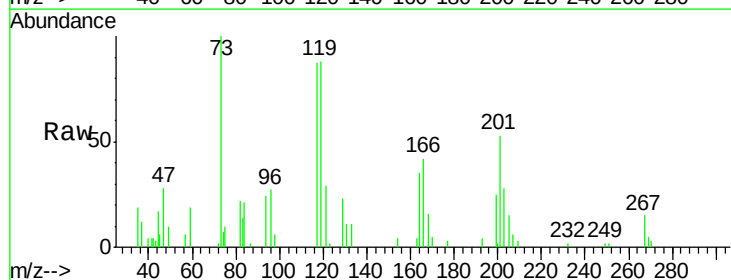
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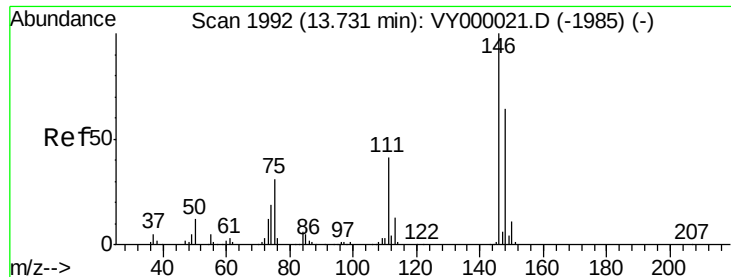
MMDadoda
9/20/2019 1:02:20 AM



#90
Hexachloroethane
Concen: 4.341 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	55.7	31.4	94.0





#91

1,2-Dichlorobenzene

Concen: 4.502 ug/l

RT: 13.74 min Scan# 1993

Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Instrument :

MSVOA_Y

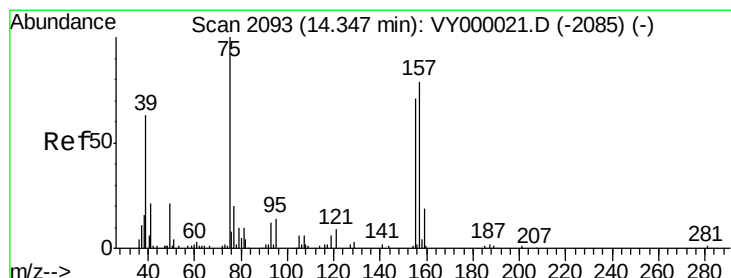
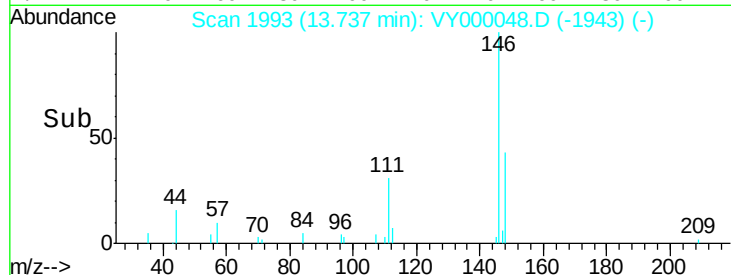
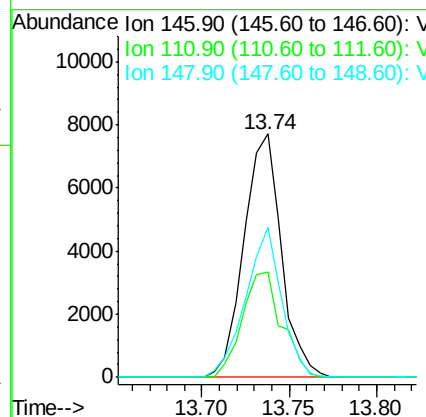
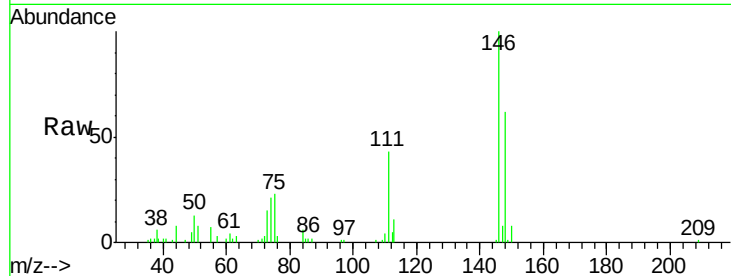
ClientSampled :

MDL3

Tot Ion:	146	Resp:	11475
Ion Ratio	Lower	Upper	
146	100		
111	45.7	21.0	63.0
148	59.4	31.6	95.0

Manual Integrations
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9/20/2019 1:02:20 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.019 ug/l

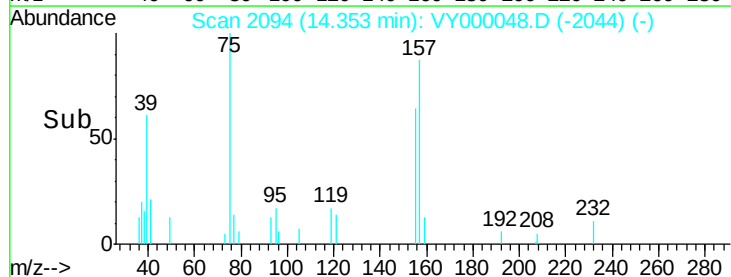
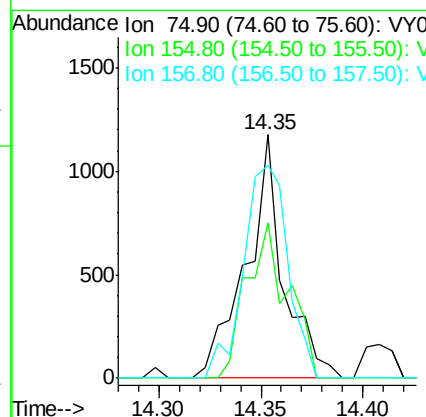
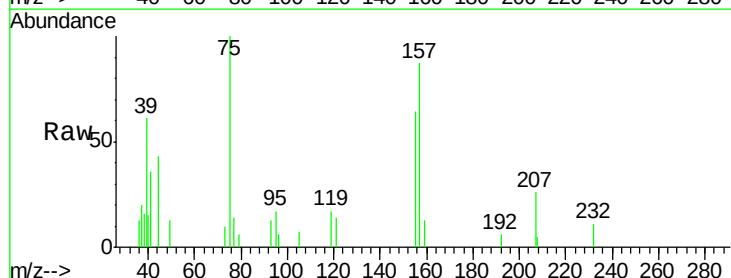
RT: 14.35 min Scan# 2094

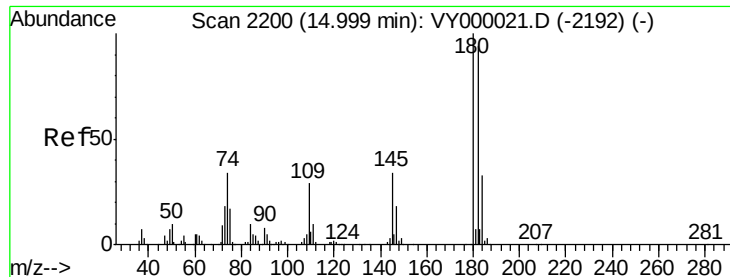
Delta R.T. 0.01 min

Lab File: VY000048.D

Acq: 16 Sep 2019 15:54

Tgt Ion:	75	Resp:	1501
Ion Ratio	Lower	Upper	
75	100		
155	70.6	41.8	125.3
157	103.8	51.3	153.9





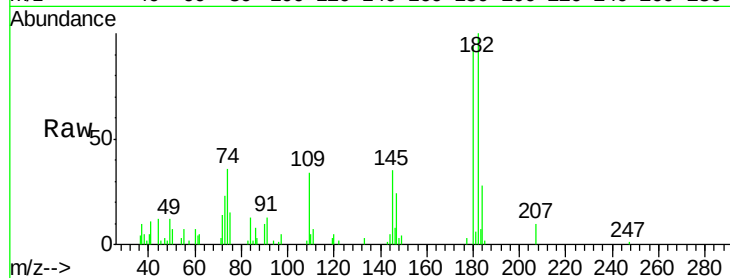
#93
 1,2,4-Trichlorobenzene
 Concen: 3.871 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Resp	Lower	Upper
180	100	6296		
182	100.9	47.0	141.0	
145	37.7	16.7	50.1	

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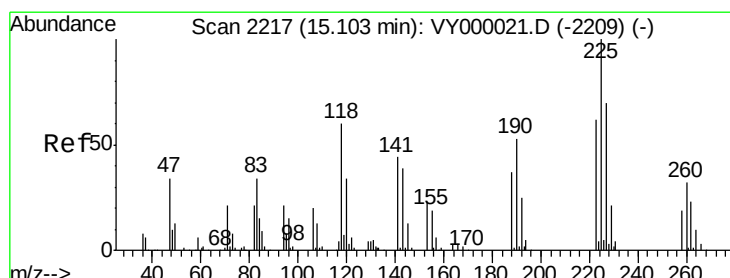
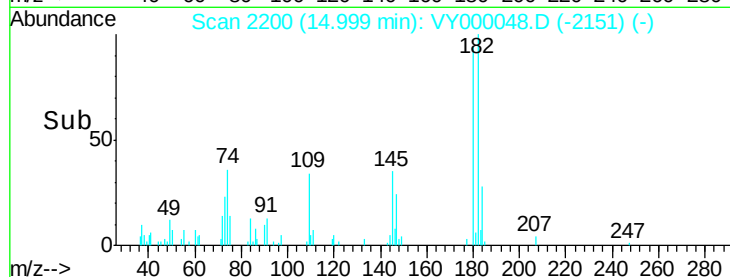
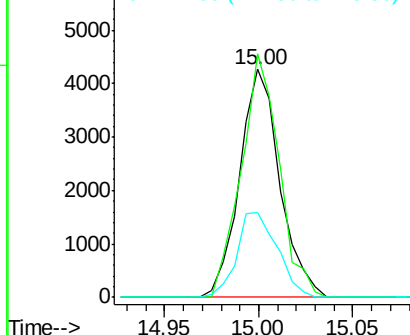


Abundance

Ion 179.80 (179.50 to 180.50): V

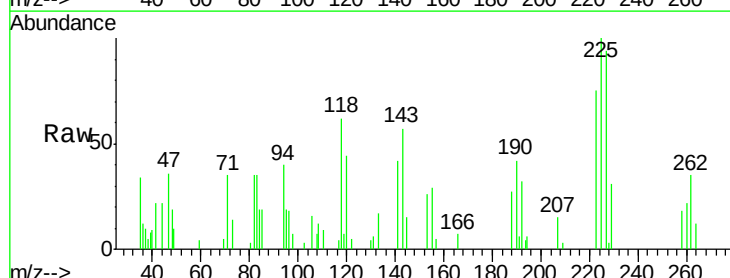
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 4.062 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000048.D
 Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	3030		
223	68.1	30.9	92.7	
227	76.1	31.0	93.0	

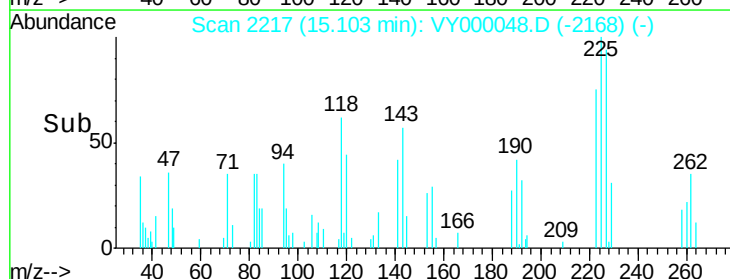
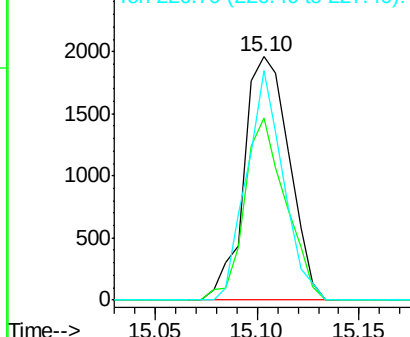


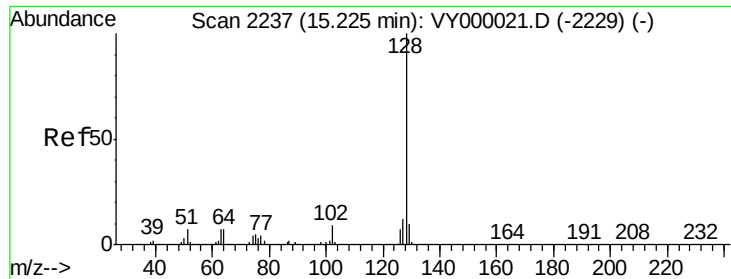
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





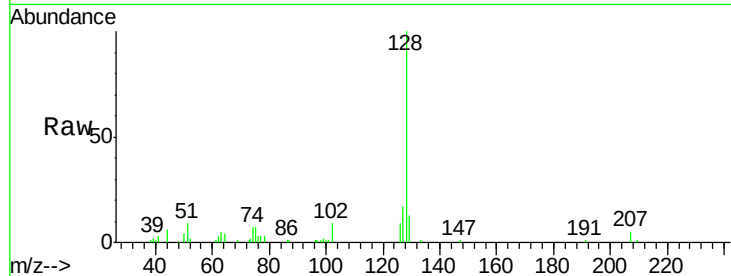
#95
Naphthalene
Concen: 4.014 ug/l
RT: 15.22 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Instrument :
MSVOA_Y
ClientSampled :
MDL3

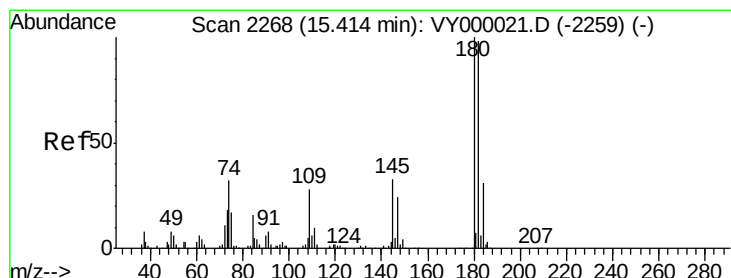
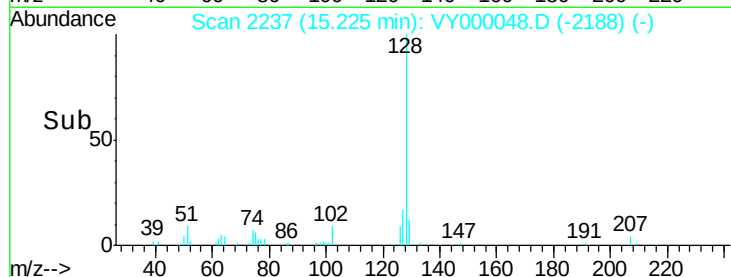
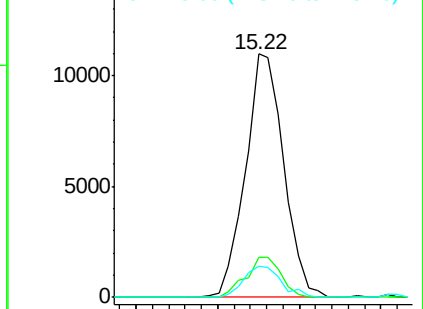
Tot Ion	Ratio	Resp	Lower	Upper
128	100	17860		
127	15.2		9.8	14.8#
129	12.5		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/20/2019 1:02:20 AM

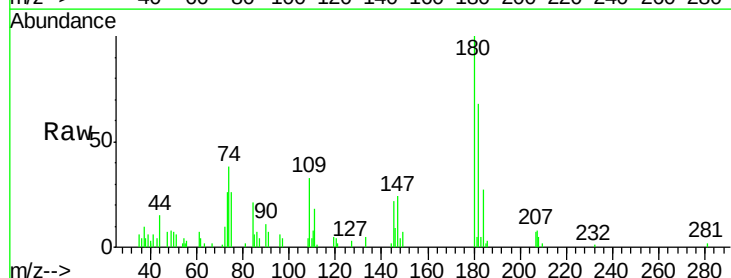


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.428 ug/l
RT: 15.41 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VY000048.D
Acq: 16 Sep 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	6465		
182	88.2		46.8	140.4
145	35.7		17.3	51.7



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

