

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000030.D
 Acq On : 12 Sep 2019 17:03
 Operator : SY/MD
 Sample : MDL3
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:54:01 PM

Quant Time: Sep 19 12:04:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y091219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 11:58:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.79	168	129384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	247164	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	213943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	91280	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	68317	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
35) Dibromofluoromethane	7.71	113	67018	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
50) Toluene-d8	10.18	98	284613	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.48	95	96245	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	4309	4.516	ug/l 86
3) Chloromethane	2.11	50	6820	4.133	ug/l 92
4) Vinyl Chloride	2.24	62	5696	3.937	ug/l # 86
5) Bromomethane	2.63	94	4667	5.075	ug/l 83
6) Chloroethane	2.78	64	3770	3.914	ug/l 99
7) Trichlorofluoromethane	3.11	101	7576	4.030	ug/l 97
8) Diethyl Ether	3.54	74	2858	3.699	ug/l 91
9) 1,1,2-Trichlorotrifluoroet	3.89	101	4909	3.837	ug/l 95
10) Methyl Iodide	4.08	142	3515	2.512	ug/l # 95
11) Tert butyl alcohol	4.96	59	3180	17.947	ug/l # 83
12) 1,1-Dichloroethene	3.87	96	4624	3.878	ug/l 87
13) Acrolein	3.73	56	3148	23.682	ug/l 98
14) Allyl chloride	4.48	41	6744	3.643	ug/l 96
15) Acrylonitrile	5.18	53	7964	16.246	ug/l 91
16) Acetone	3.95	43	7150	18.501	ug/l # 82
17) Carbon Disulfide	4.19	76	10839	4.514	ug/l # 90
18) Methyl Acetate	4.49	43	4666	4.291	ug/l # 77
19) Methyl tert-butyl Ether	5.23	73	12716	3.521	ug/l # 87
20) Methylene Chloride	4.71	84	9317	6.048	ug/l 90
21) trans-1,2-Dichloroethene	5.22	96	4642	3.516	ug/l 93
22) Diisopropyl ether	6.12	45	13890	3.399	ug/l # 86
23) Vinyl Acetate	6.06	43	43712	15.461	ug/l 99
24) 1,1-Dichloroethane	6.02	63	7892	3.259	ug/l # 90
25) 2-Butanone	7.00	43	11917	18.972	ug/l # 85
26) 2,2-Dichloropropane	6.98	77	10561	4.694	ug/l # 62
27) cis-1,2-Dichloroethene	6.98	96	5676	3.408	ug/l 75
28) Bromochloromethane	7.32	49	4047	3.639	ug/l # 93
29) Tetrahydrofuran	7.37	42	6533	17.484	ug/l 96
30) Chloroform	7.51	83	9384	3.757	ug/l 95
31) Cyclohexane	7.78	56	10291	5.099	ug/l # 53
32) 1,1,1-Trichloroethane	7.70	97	6812	3.325	ug/l 95
36) 1,1-Dichloropropene	7.91	75	6900	3.802	ug/l 97
37) Ethyl Acetate	7.08	43	4959	4.052	ug/l # 76
38) Carbon Tetrachloride	7.90	117	5928	3.461	ug/l # 79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9075	4.048	ug/l	87
40) Benzene	8.16	78	19560	3.311	ug/l	96
41) Methacrylonitrile	7.31	41	1600	2.247	ug/l #	40
42) 1,2-Dichloroethane	8.23	62	5411	3.584	ug/l	94
43) Isopropyl Acetate	8.28	43	7605	3.207	ug/l	94
44) Trichloroethene	8.93	130	5369	3.639	ug/l	85
45) 1,2-Dichloropropane	9.21	63	4620	3.033	ug/l #	77
46) Dibromomethane	9.31	93	2792	3.302	ug/l	97
47) Bromodichloromethane	9.49	83	6519	3.230	ug/l #	77
48) Methyl methacrylate	9.29	41	3573	3.415	ug/l	90
49) 1,4-Dioxane	9.30	88	1225	69.183	ug/l #	72
51) 4-Methyl-2-Pentanone	10.07	43	20074	15.107	ug/l	98
52) Toluene	10.24	92	12581	3.389	ug/l	100
53) t-1,3-Dichloropropene	10.46	75	6835	3.221	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	7764	3.144	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4058	3.029	ug/l	88
56) Ethyl methacrylate	10.51	69	6022	3.203	ug/l	92
57) 1,3-Dichloropropane	10.79	76	7320	3.416	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	18641	18.098	ug/l	93
59) 2-Hexanone	10.83	43	14213	14.843	ug/l	100
60) Dibromochloromethane	10.98	129	3923	2.779	ug/l	93
61) 1,2-Dibromoethane	11.09	107	3771	3.187	ug/l	92
64) Tetrachloroethene	10.71	164	4854	3.700	ug/l	89
65) Chlorobenzene	11.51	112	13232	3.246	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.58	131	4705	3.331	ug/l	90
67) Ethyl Benzene	11.59	91	24872	3.358	ug/l	97
68) m/p-Xylenes	11.70	106	19037	6.812	ug/l	97
69) o-Xylene	12.02	106	9428	3.442	ug/l	94
70) Styrene	12.04	104	14252	2.991	ug/l	94
71) Bromoform	12.20	173	2381	2.792	ug/l #	96
73) Isopropylbenzene	12.32	105	23340	3.347	ug/l	95
74) N-amyl acetate	12.14	43	6049	2.938	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.58	83	6054	3.630	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	3143m	2.479	ug/l	
77) Bromobenzene	12.60	156	4346	2.946	ug/l	81
78) n-propylbenzene	12.66	91	27633	3.242	ug/l	97
79) 2-Chlorotoluene	12.76	91	15281	3.206	ug/l	96
80) 1,3,5-Trimethylbenzene	12.80	105	19726	3.387	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.37	75	1882	2.944	ug/l	91
82) 4-Chlorotoluene	12.85	91	16862	3.371	ug/l	92
83) tert-Butylbenzene	13.07	119	16544	3.306	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	19704	3.425	ug/l	96
85) sec-Butylbenzene	13.25	105	25295	3.425	ug/l	100
86) p-Isopropyltoluene	13.37	119	20937	3.342	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	9845	3.316	ug/l	97
88) 1,4-Dichlorobenzene	13.44	146	9671	3.237	ug/l	86
89) n-Butylbenzene	13.69	91	20252	3.190	ug/l	94
90) Hexachloroethane	13.96	117	4222	3.373	ug/l	97
91) 1,2-Dichlorobenzene	13.73	146	8896	3.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	945	2.914	ug/l	92

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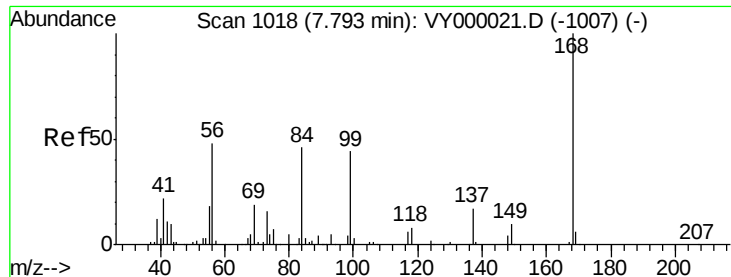
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5505	3.122	ug/l	97
94) Hexachlorobutadiene	15.10	225	2434	3.010	ug/l	89
95) Naphthalene	15.23	128	14548	3.016	ug/l	97
96) 1,2,3-Trichlorobenzene	15.41	180	5618	3.549	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.79 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion:168 Resp: 129384

Ion Ratio Lower Upper

168 100

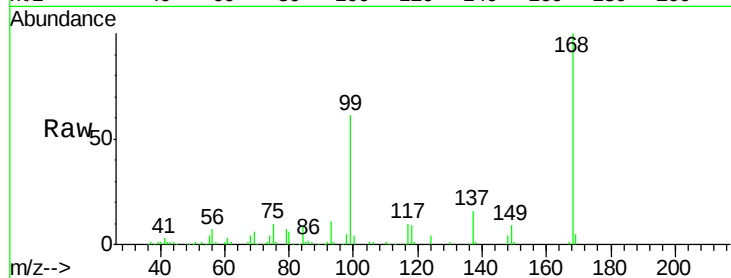
99 61.1 46.3 69.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.79

60000

50000

40000

30000

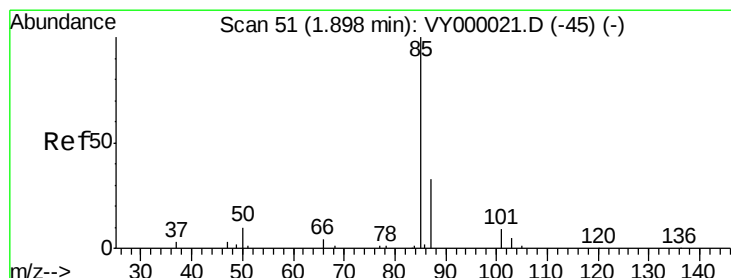
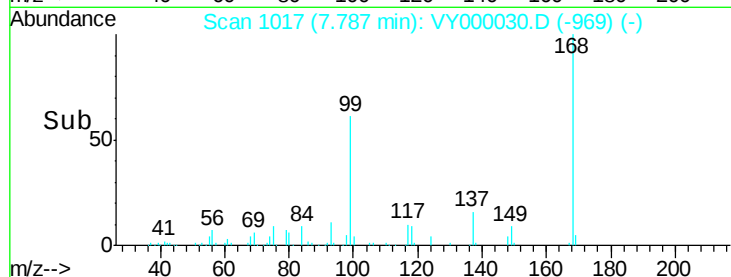
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.516 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000030.D

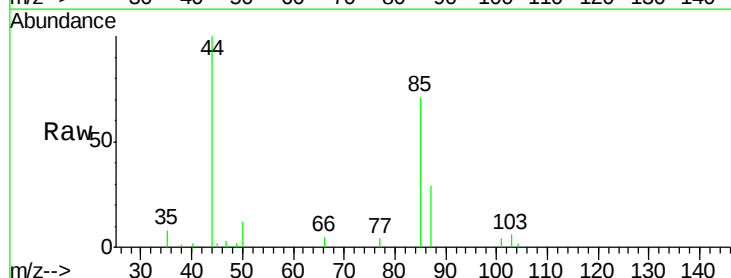
Acq: 12 Sep 2019 17:03

Tgt Ion: 85 Resp: 4309

Ion Ratio Lower Upper

85 100

87 40.8 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

3000

2500

2000

1500

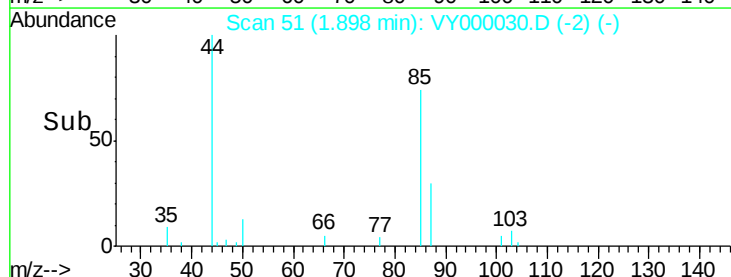
1000

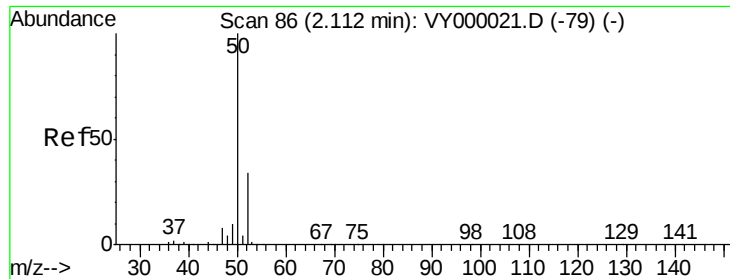
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 4.133 ug/l

RT: 2.11 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 50 Resp: 6820

Ion Ratio Lower Upper

50 100

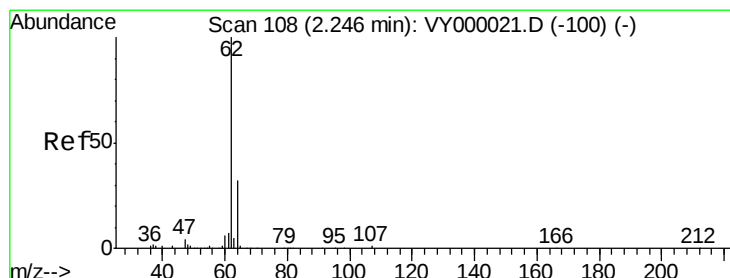
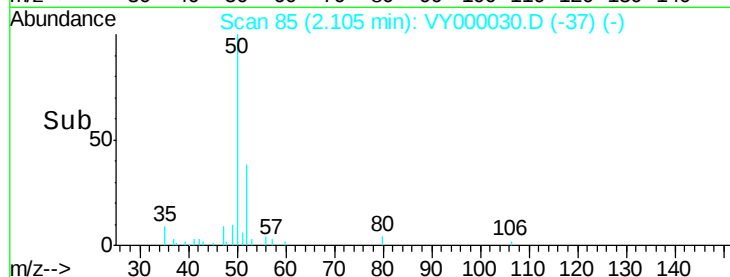
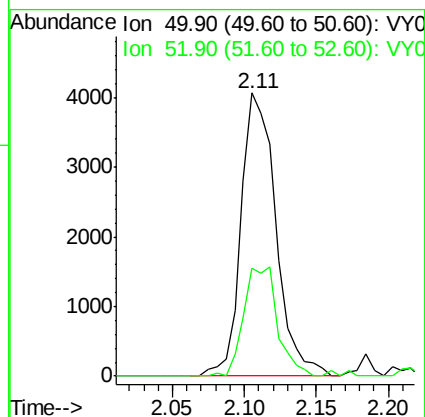
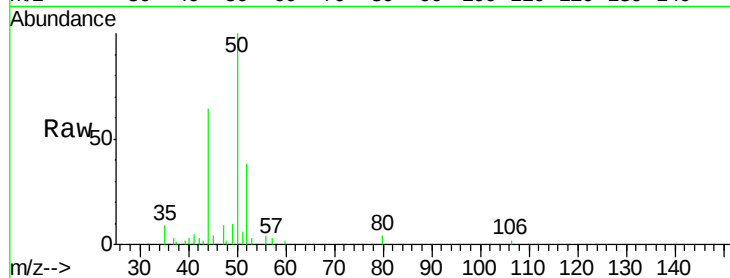
52 38.3 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 3.937 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000030.D

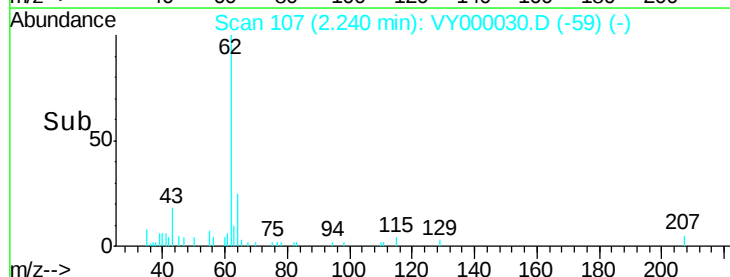
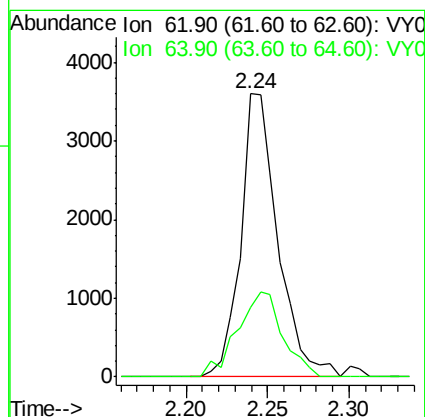
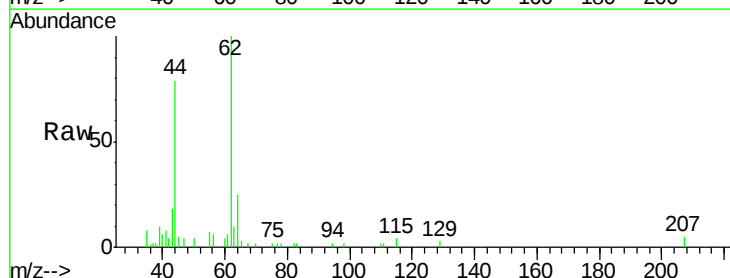
Acq: 12 Sep 2019 17:03

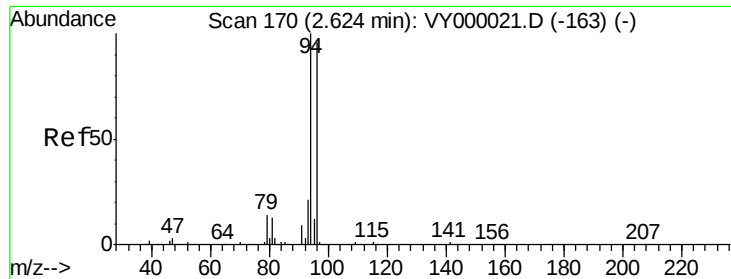
Tgt Ion: 62 Resp: 5696

Ion Ratio Lower Upper

62 100

64 24.6 26.1 39.1#





#5

Bromomethane

Concen: 5.075 ug/l

RT: 2.63 min Scan# 171

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 94 Resp: 4667

Ion Ratio Lower Upper

94 100

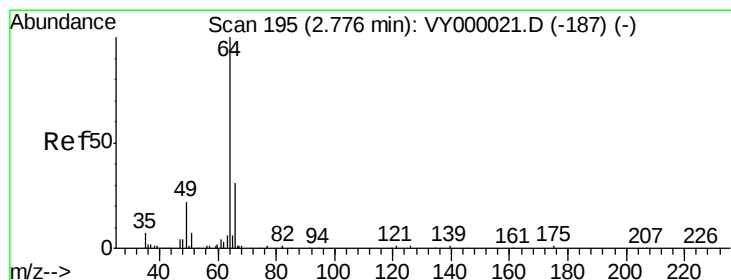
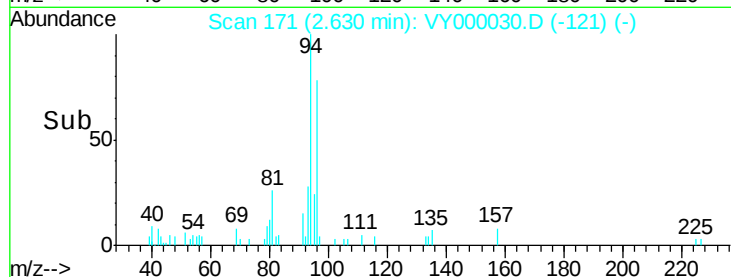
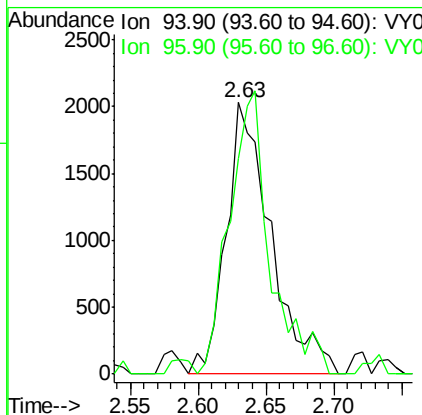
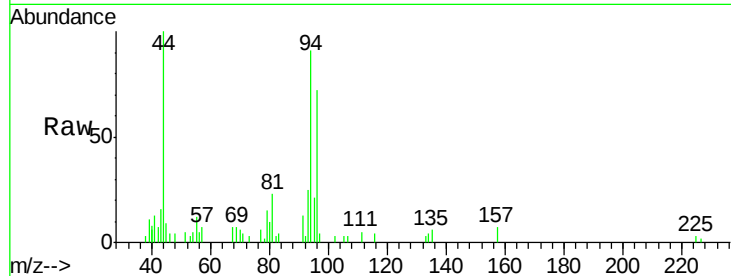
96 79.3 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 3.914 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VY000030.D

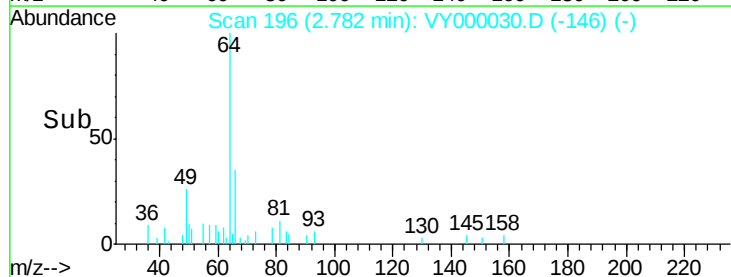
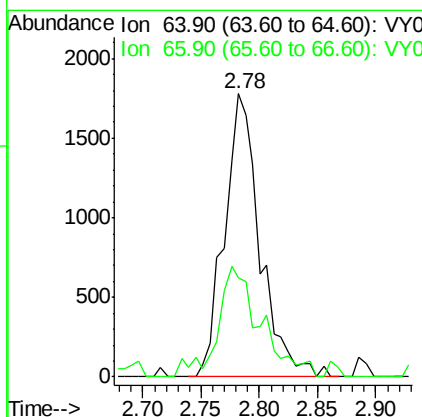
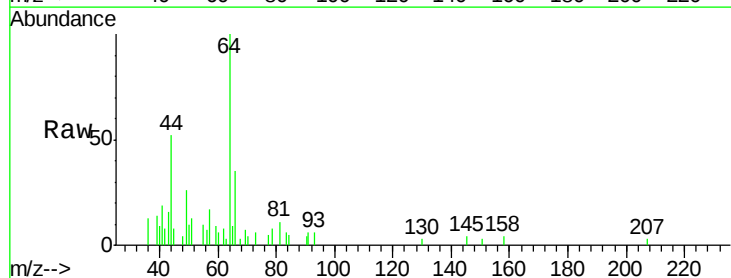
Acq: 12 Sep 2019 17:03

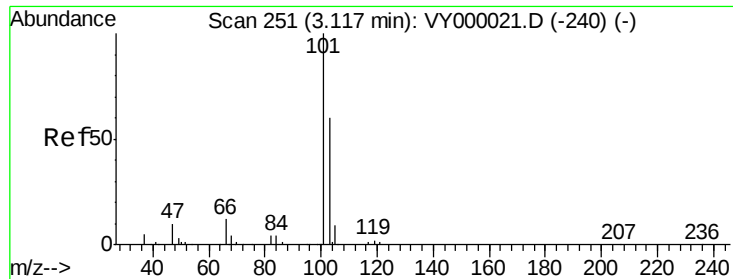
Tgt Ion: 64 Resp: 3770

Ion Ratio Lower Upper

64 100

66 31.7 25.0 37.6





#7

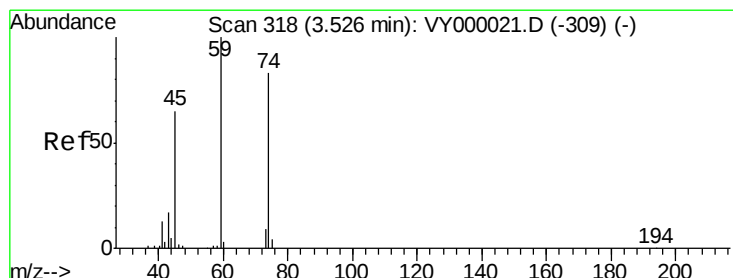
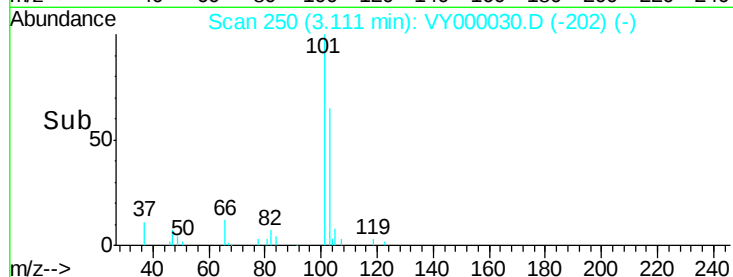
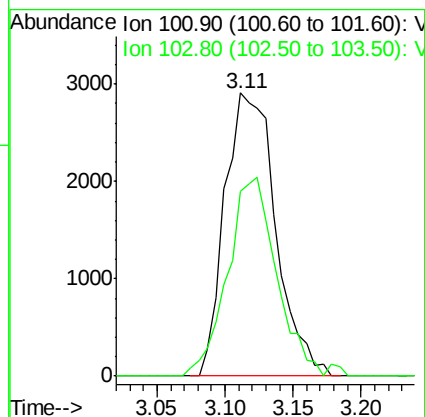
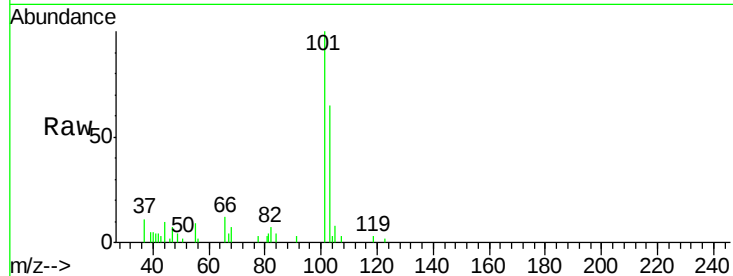
Trichlorofluoromethane
 Concen: 4.030 ug/l
 RT: 3.11 min Scan# 250
 Delta R.T. -0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
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 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	48.1	72.1

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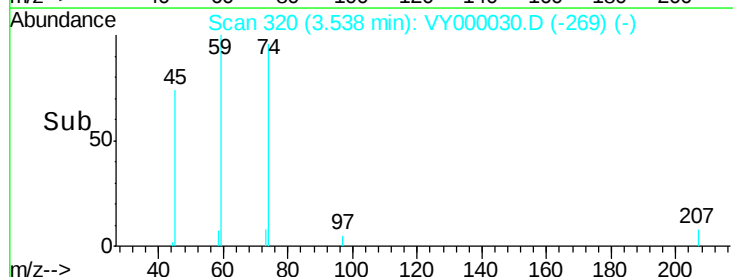
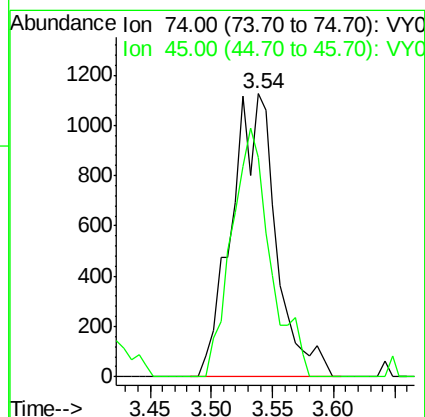
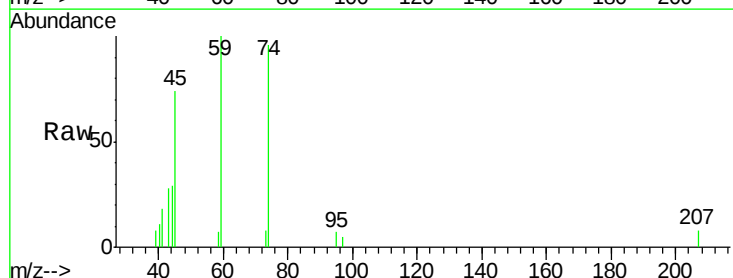
MMDadoda
 9/13/2019 11:54:01 PM

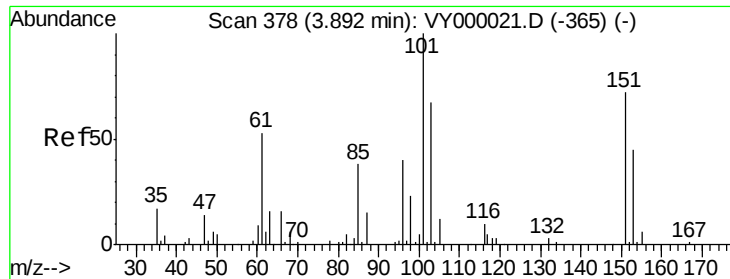


#8

Diethyl Ether
 Concen: 3.699 ug/l
 RT: 3.54 min Scan# 320
 Delta R.T. 0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	75.9	41.9	125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.837 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

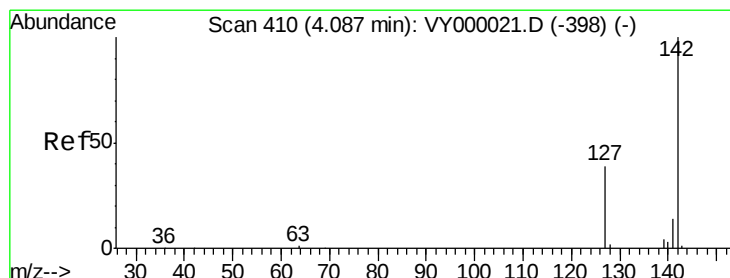
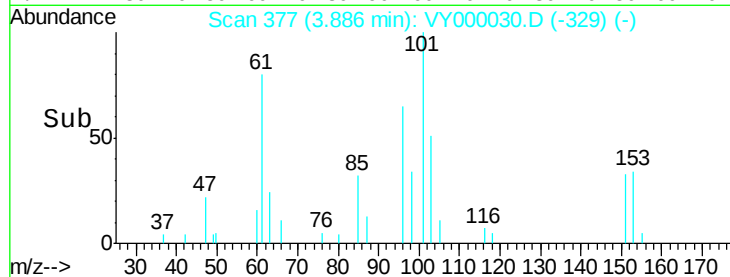
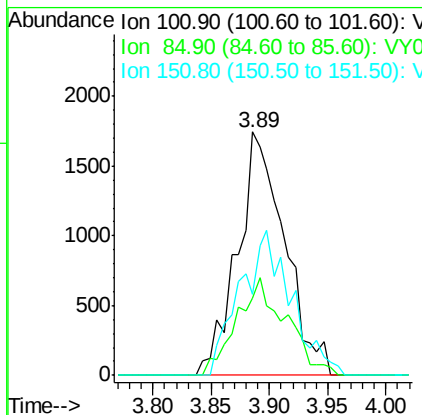
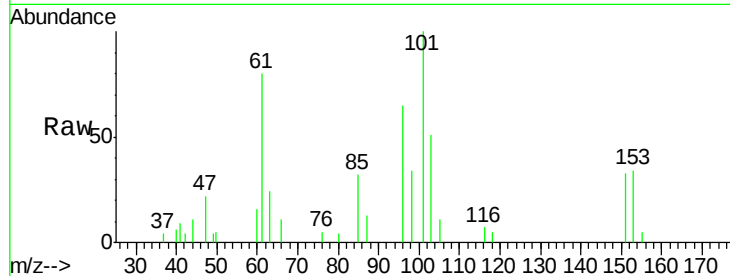
ClientSampled :

MDL3

Tot Ion:	101	Resp:	4909
Ion Ratio	Lower	Upper	
101	100		
85	42.0	35.3	52.9
151	64.3	55.9	83.9

Manual Integrations
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9/13/2019 11:54:01 PM



#10

Methyl Iodide

Concen: 2.512 ug/l

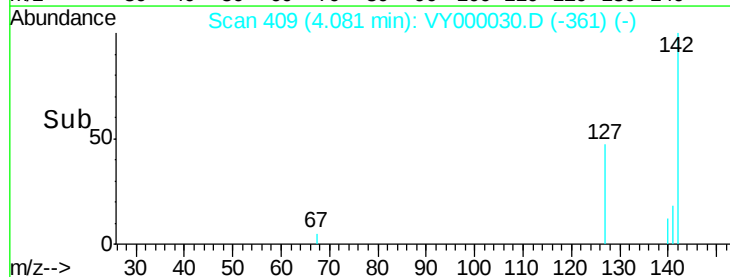
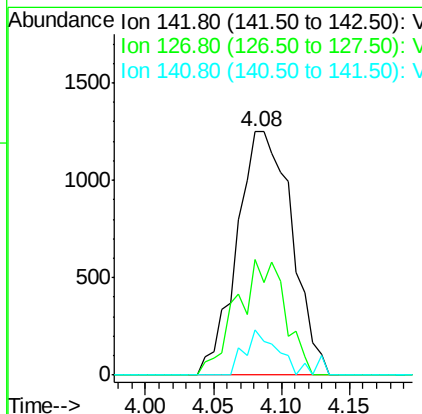
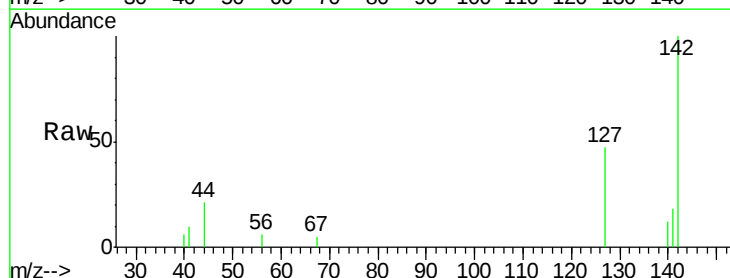
RT: 4.08 min Scan# 409

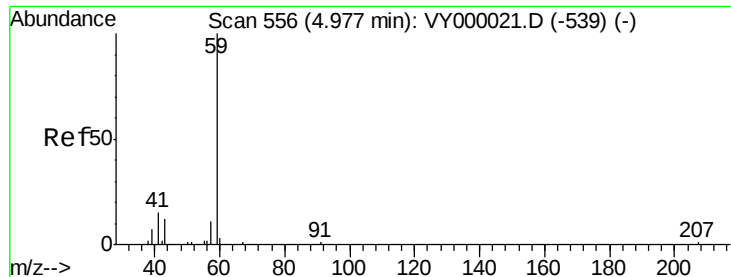
Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion:	142	Resp:	3515
Ion Ratio	Lower	Upper	
142	100		
127	41.8	31.4	47.2
141	10.5	10.6	16.0#





#11

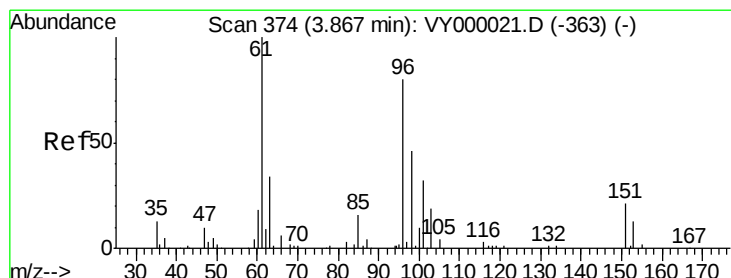
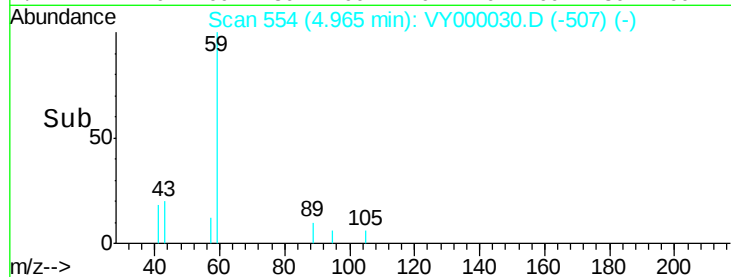
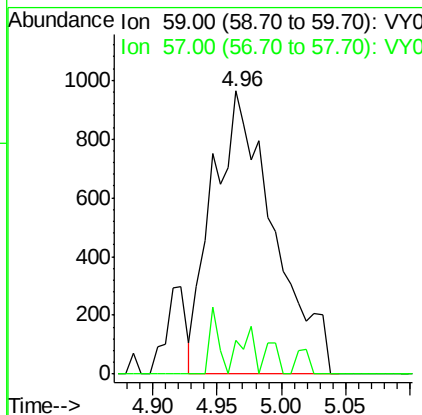
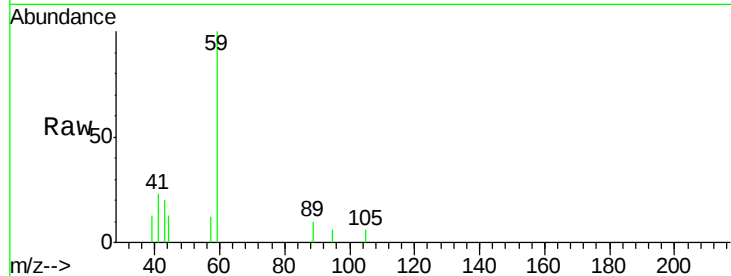
Tert butyl alcohol
Concen: 17.947 ug/l
RT: 4.96 min Scan# 554
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	59	Ratio	Lower	Upper
59	100			
57	4.2		8.3	12.5#

Manual Integrations
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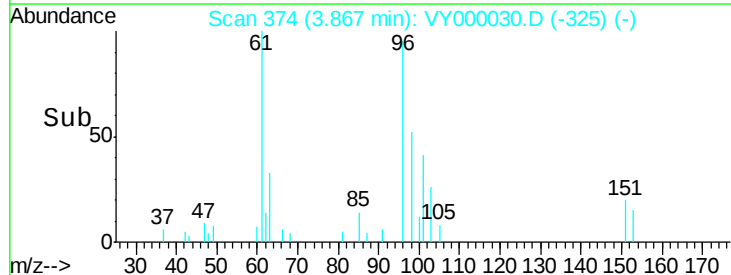
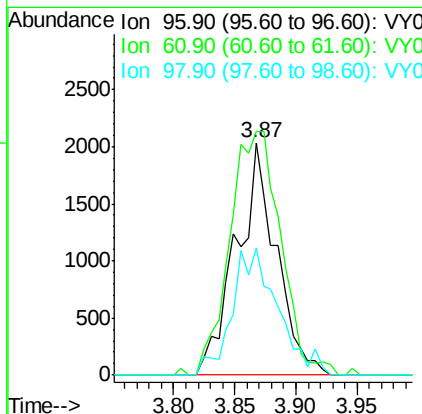
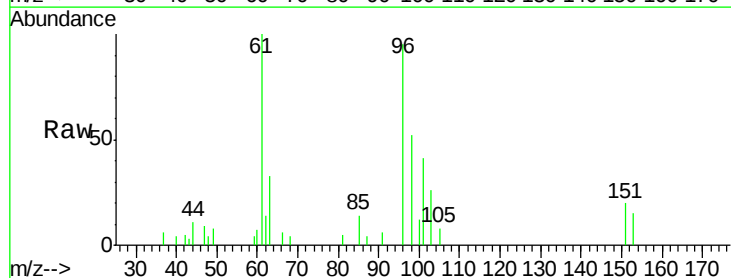
MMDadoda
9/13/2019 11:54:01 PM

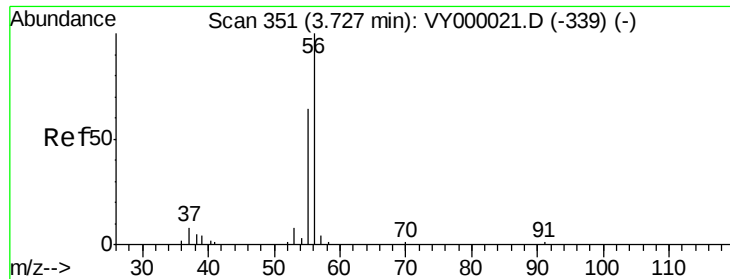


#12

1,1-Dichloroethene
Concen: 3.878 ug/l
RT: 3.87 min Scan# 374
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	96	Ratio	Lower	Upper
96	100			
61	104.9		99.8	149.6
98	54.8		46.3	69.5





#13

Acrolein

Concen: 23.682 ug/l

RT: 3.73 min Scan# 351

Delta R.T. 0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion: 56 Resp: 3148

Ion Ratio Lower Upper

56 100

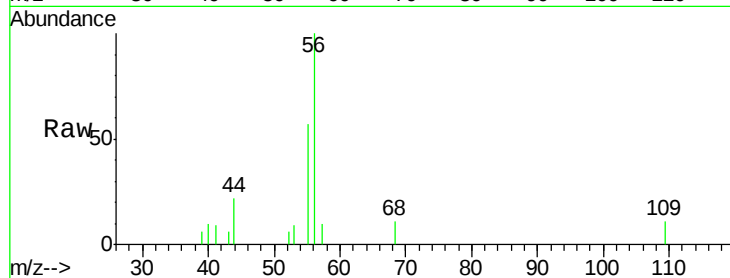
55 69.6 56.7 85.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

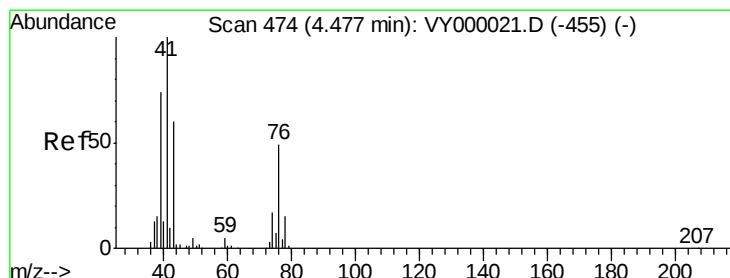
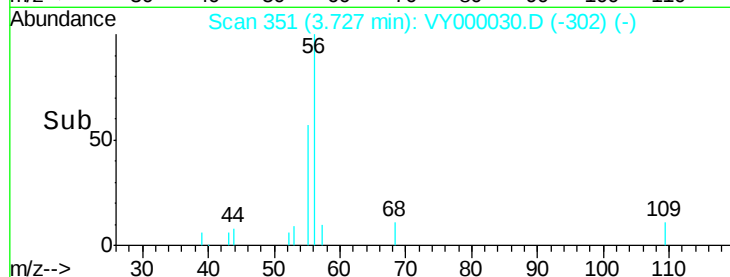
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 3.643 ug/l

RT: 4.48 min Scan# 474

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

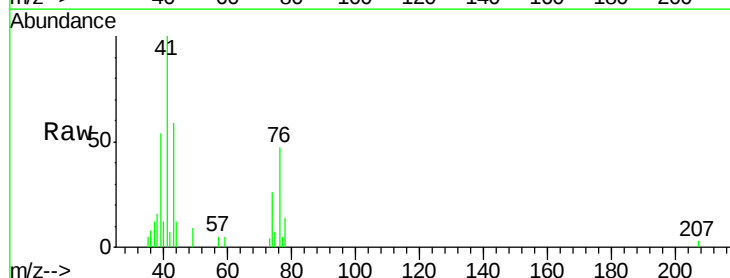
Tgt Ion: 41 Resp: 6744

Ion Ratio Lower Upper

41 100

39 63.5 53.1 79.7

76 40.8 34.9 52.3



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

3000

2500

2000

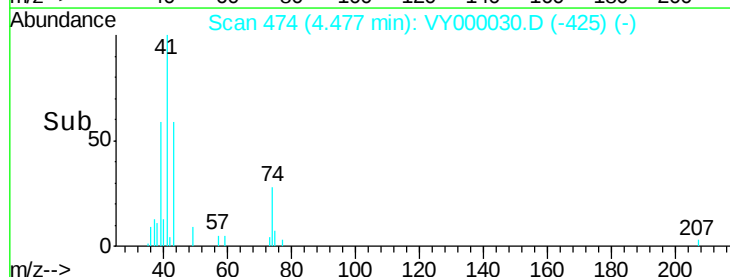
1500

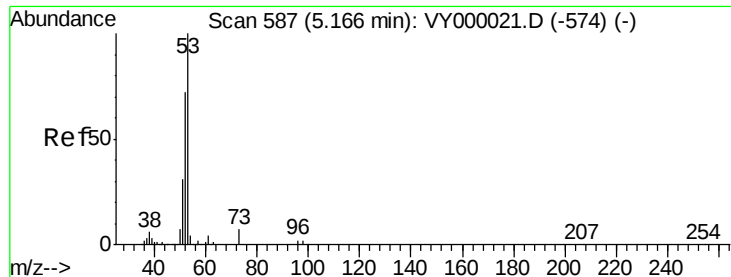
1000

500

0

Time-->





#15

Acrylonitrile

Concen: 16.246 ug/l

RT: 5.18 min Scan# 589

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

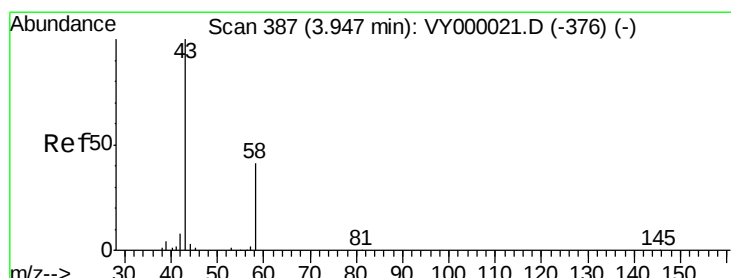
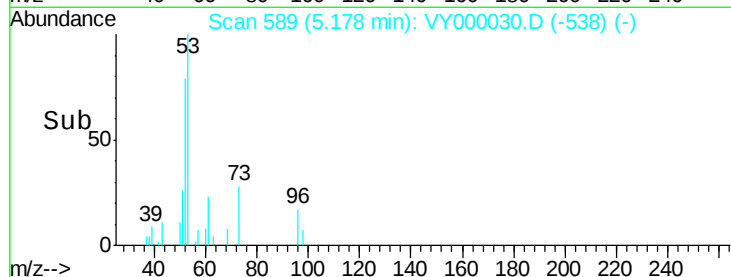
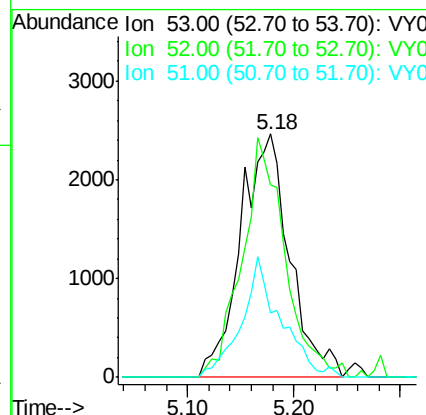
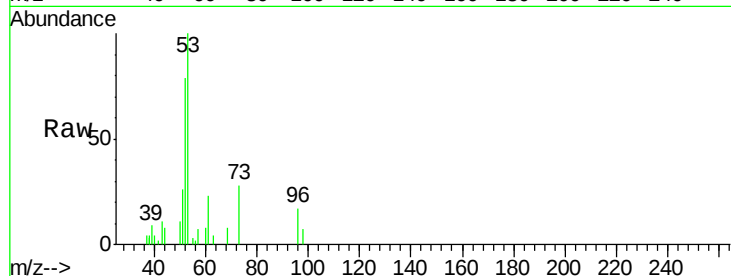
ClientSampleId :

MDL3

Tot Ion:	53	Resp:	7964
Ion	Ratio	Lower	Upper
53	100		
52	86.2	62.8	94.2
51	38.7	26.6	40.0

Manual Integrations
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#16

Acetone

Concen: 18.501 ug/l

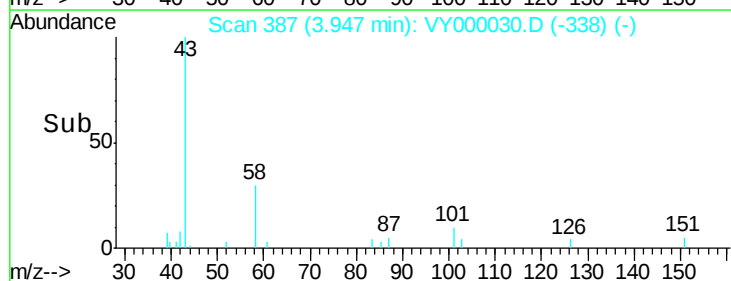
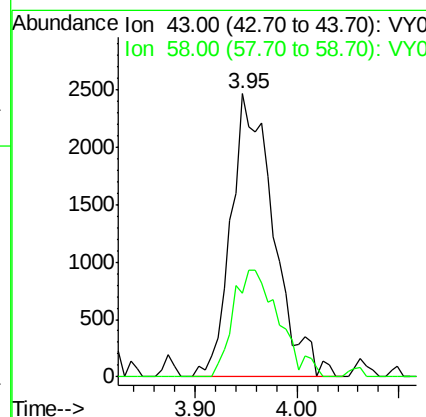
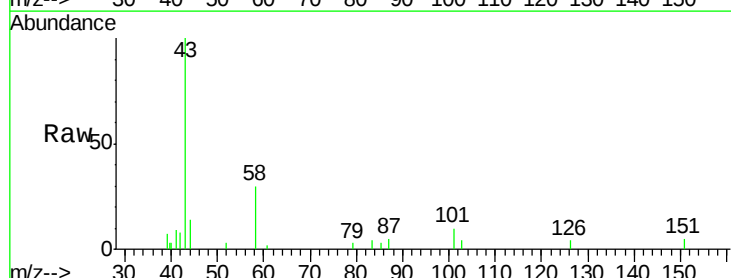
RT: 3.95 min Scan# 387

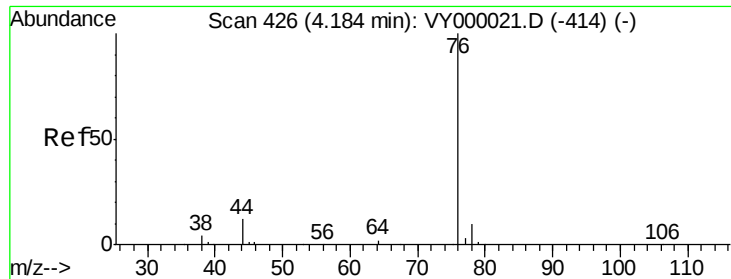
Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion:	43	Resp:	7150
Ion	Ratio	Lower	Upper
43	100		
58	29.5	32.5	48.7#





#17

Carbon Disulfide

Concen: 4.514 ug/l

RT: 4.19 min Scan# 427

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 76 Resp: 10839

Ion Ratio Lower Upper

76 100

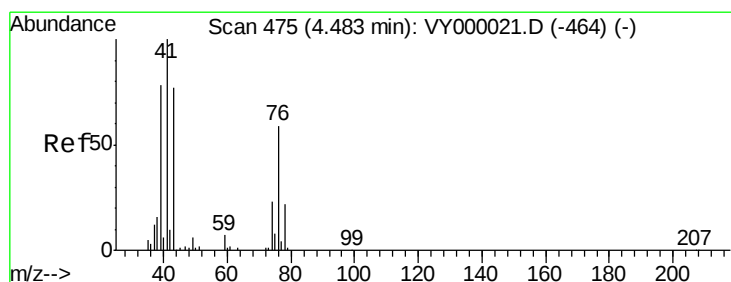
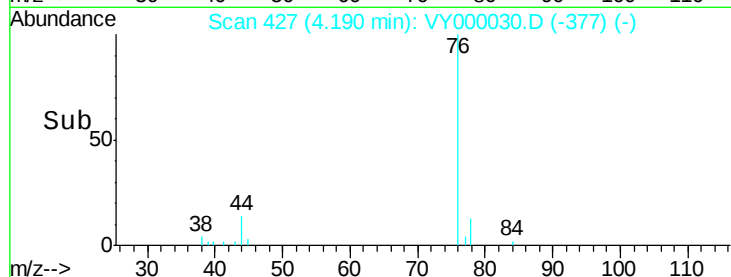
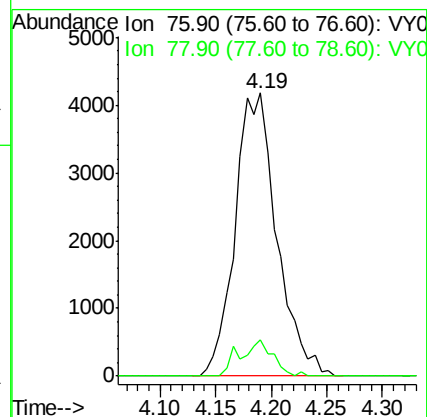
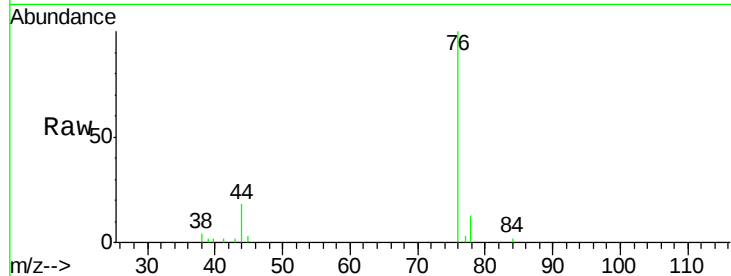
78 13.0 7.6 11.4#

Manual Integrations

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#18

Methyl Acetate

Concen: 4.291 ug/l

RT: 4.49 min Scan# 476

Delta R.T. 0.01 min

Lab File: VY000030.D

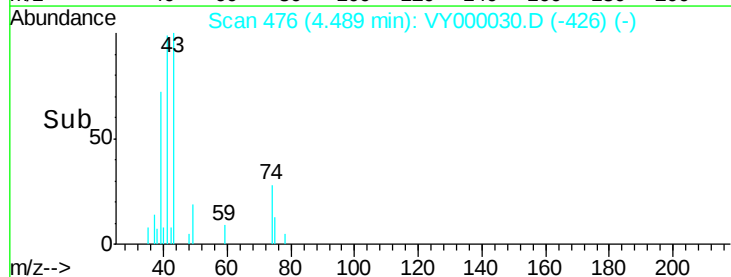
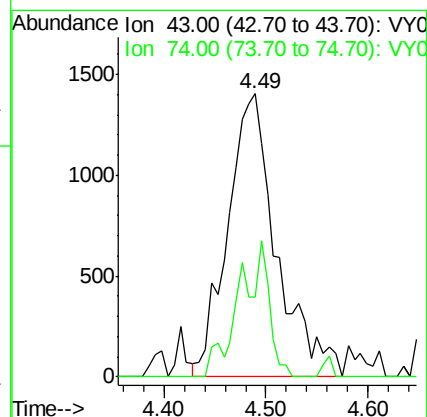
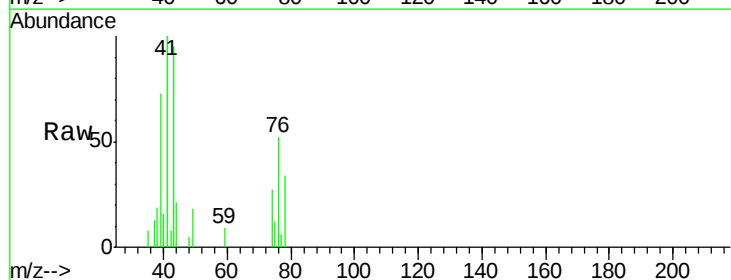
Acq: 12 Sep 2019 17:03

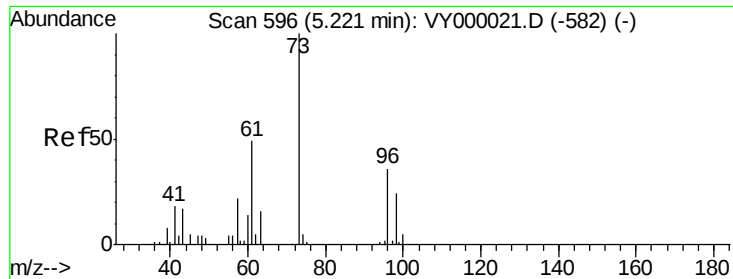
Tgt Ion: 43 Resp: 4666

Ion Ratio Lower Upper

43 100

74 15.1 21.4 32.0#





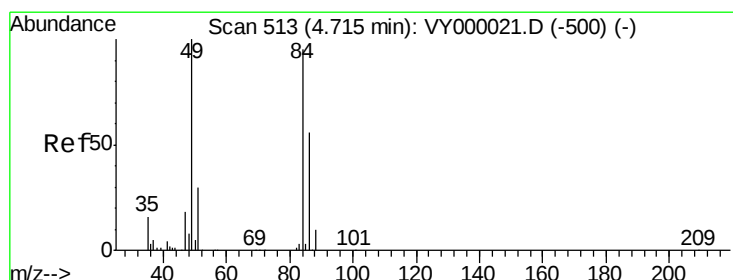
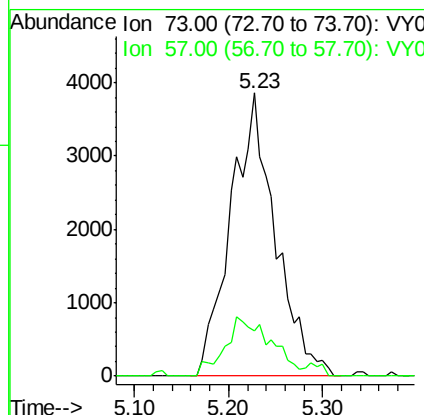
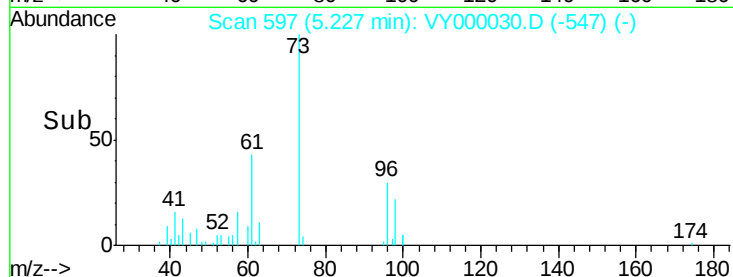
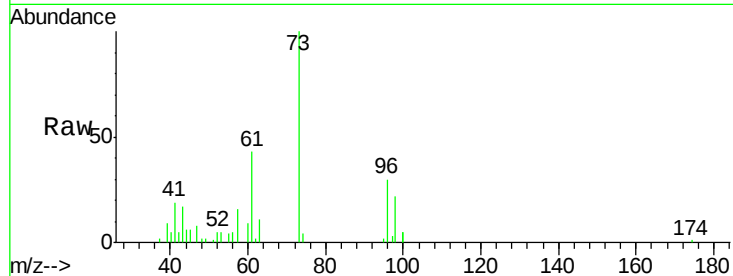
#19
Methvl tert-butvl Ether
Concen: 3.521 ug/l
RT: 5.23 min Scan# 597
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
57	57	15.8	17.8	26.8#

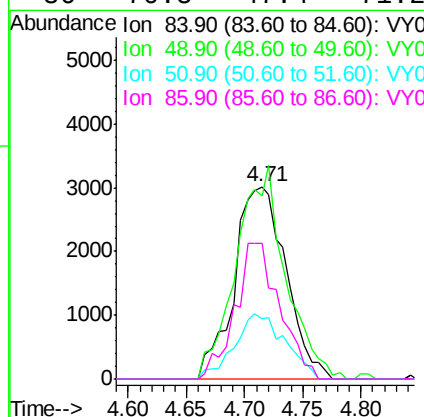
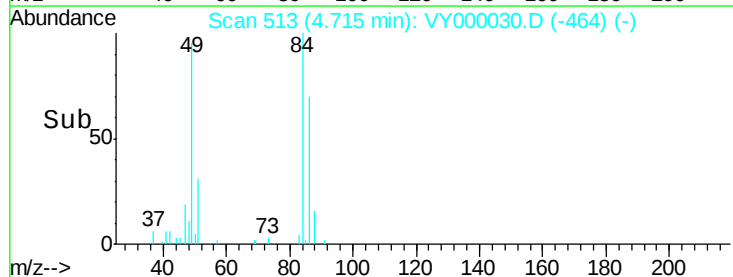
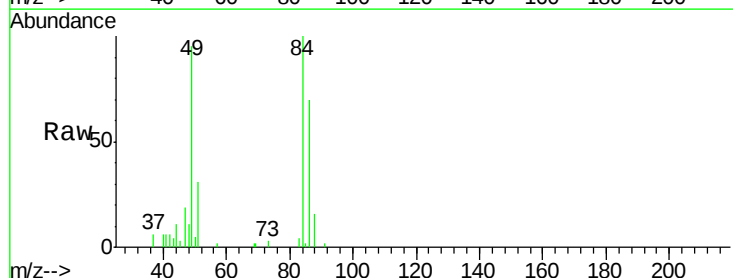
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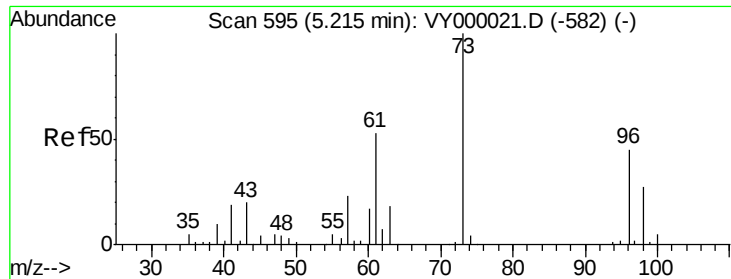
MMDadoda
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#20
Methylene Chloride
Concen: 6.048 ug/l
RT: 4.71 min Scan# 513
Delta R.T. 0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ion	Ratio	Lower	Upper
84	84	100		
49	49	95.0	84.4	126.6
51	51	31.5	25.4	38.0
86	86	70.5	47.4	71.2





#21

trans-1,2-Dichloroethene

Concen: 3.516 ug/l

RT: 5.22 min Scan# 596

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

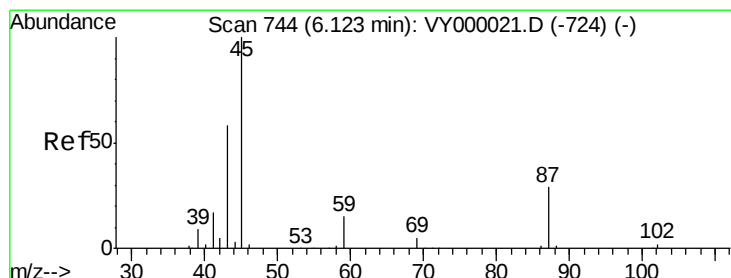
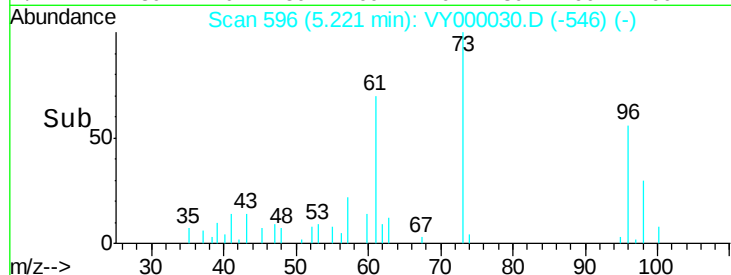
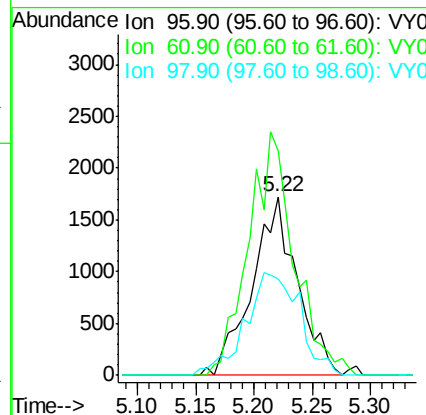
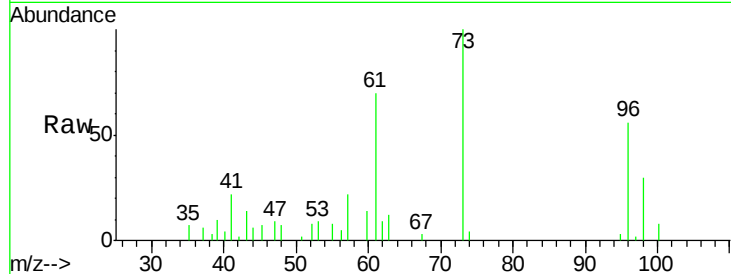
ClientSampleId :

MDL3

Tot Ion:	96	Resp:	4642
Ion	Ratio	Lower	Upper
96	100		
61	125.6	95.3	142.9
98	54.2	48.7	73.1

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#22

Diisopropyl ether

Concen: 3.399 ug/l

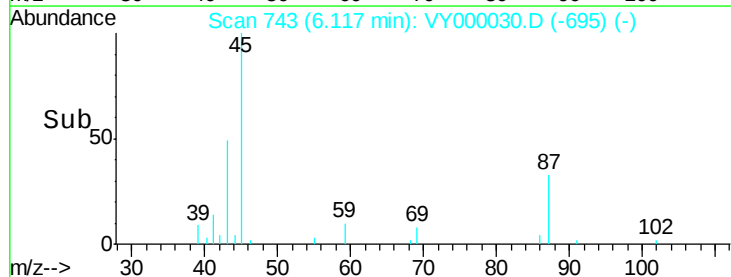
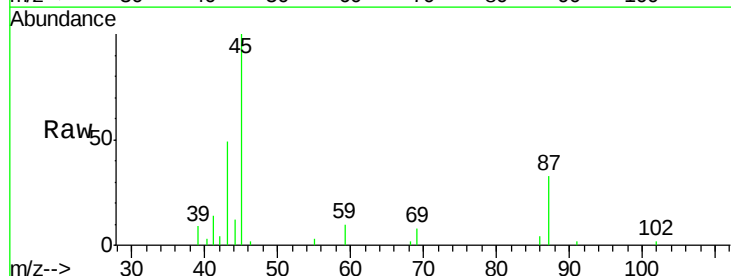
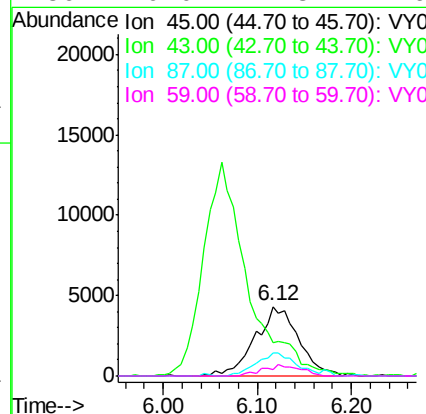
RT: 6.12 min Scan# 743

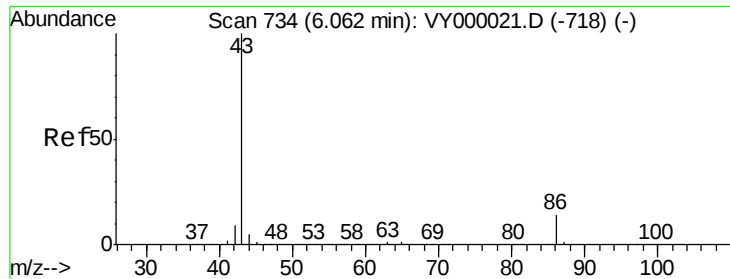
Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion:	45	Resp:	13890
Ion	Ratio	Lower	Upper
45	100		
43	45.4	47.0	70.4#
87	33.3	23.1	34.7
59	10.0	11.8	17.6#





#23

Vinyl Acetate

Concen: 15.461 ug/l

RT: 6.06 min Scan# 734

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 43 Resp: 43712

Ion Ratio Lower Upper

43 100

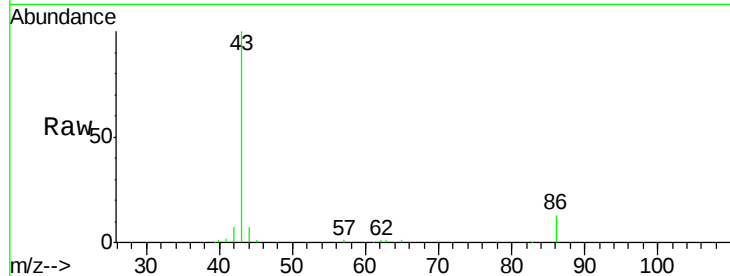
86 13.4 11.0 16.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.06

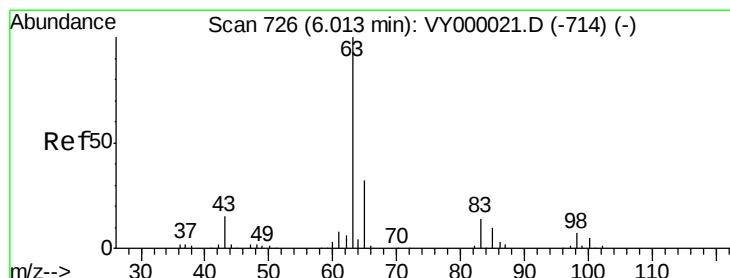
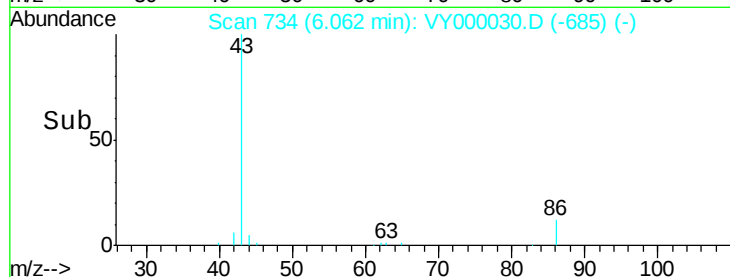
15000

10000

5000

0

Time--> 5.90 6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 3.259 ug/l

RT: 6.02 min Scan# 727

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

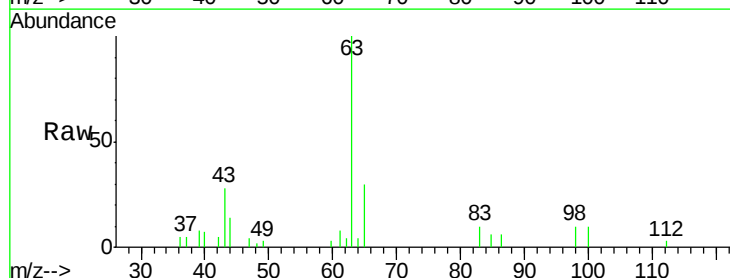
Tgt Ion: 63 Resp: 7892

Ion Ratio Lower Upper

63 100

98 9.8 3.8 11.2

100 10.4 2.6 8.0#



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

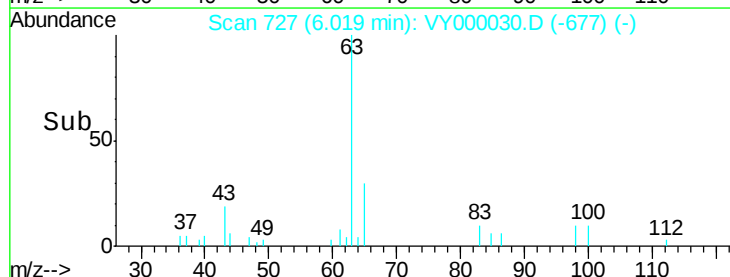
3000

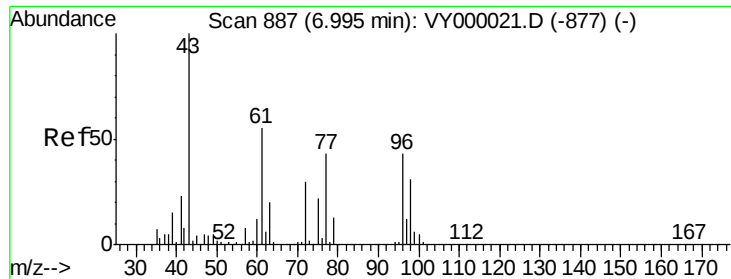
2000

1000

0

Time--> 5.90 6.00 6.10





#25

2-Butanone

Concen: 18.972 ug/l

RT: 7.00 min Scan# 888

Delta R.T. 0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion: 43 Resp: 11917

Ion Ratio Lower Upper

43 100

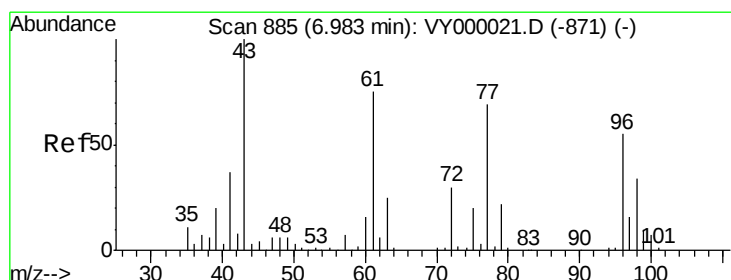
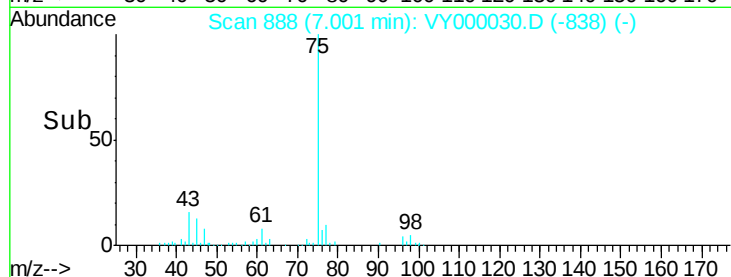
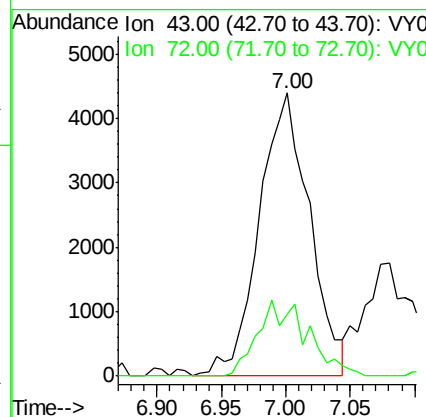
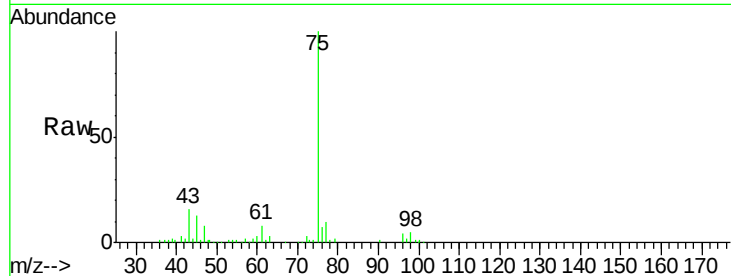
72 21.9 24.1 36.1#

Manual Integrations

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MMDadoda

9/13/2019 11:54:01 PM



#26

2,2-Dichloropropane

Concen: 4.694 ug/l

RT: 6.98 min Scan# 885

Delta R.T. -0.00 min

Lab File: VY000030.D

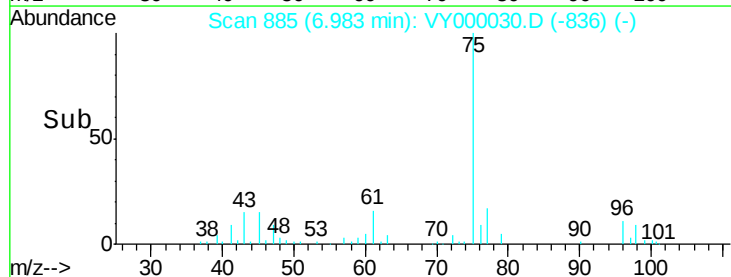
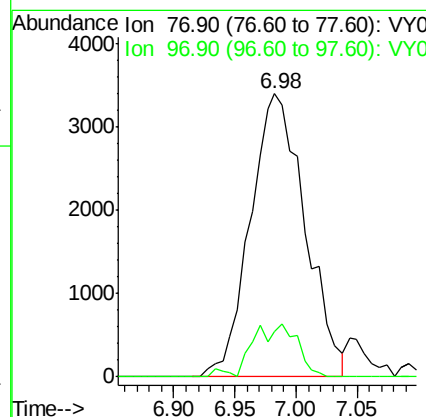
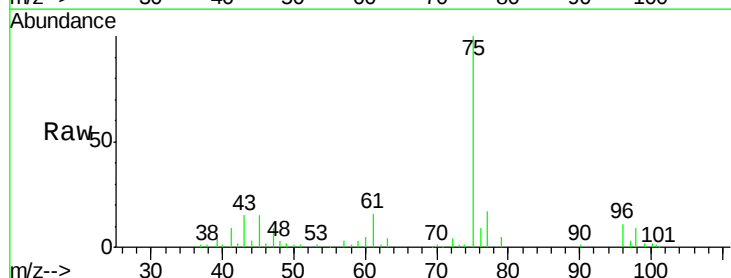
Acq: 12 Sep 2019 17:03

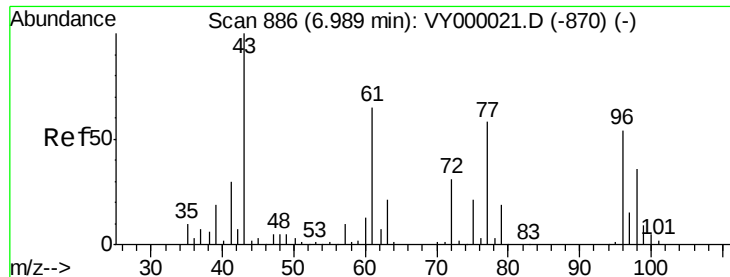
Tgt Ion: 77 Resp: 10561

Ion Ratio Lower Upper

77 100

97 5.1 12.0 36.1#





#27

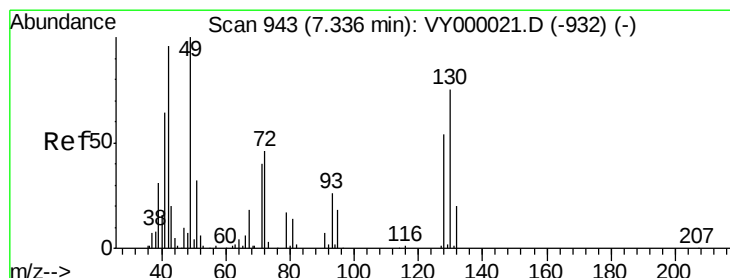
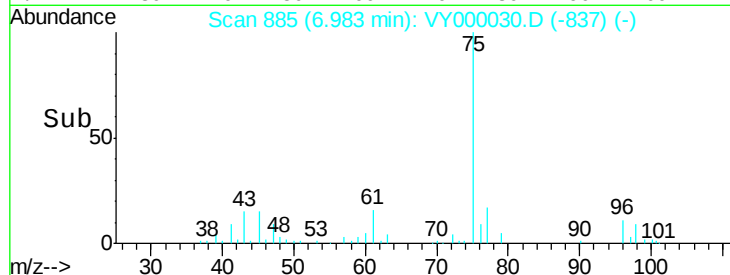
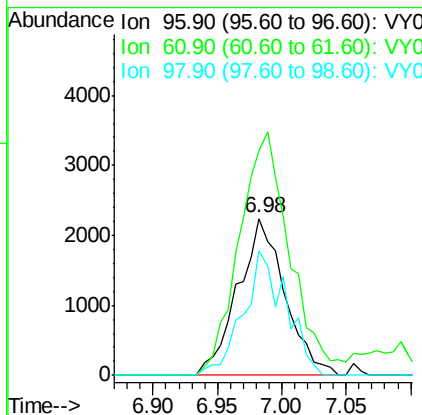
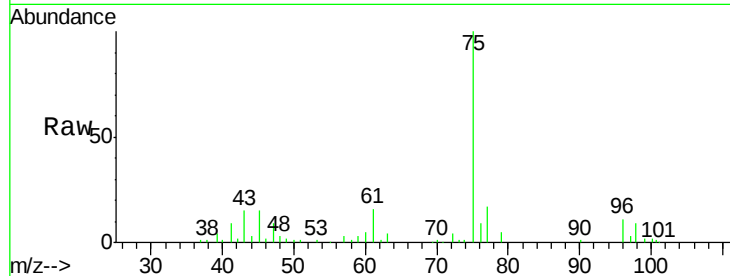
cis-1,2-Dichloroethene
Concen: 3.408 ug/l
RT: 6.98 min Scan# 885
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
96	100		
61	167.4	0.0	259.2
98	71.7	0.0	127.4

Manual Integrations
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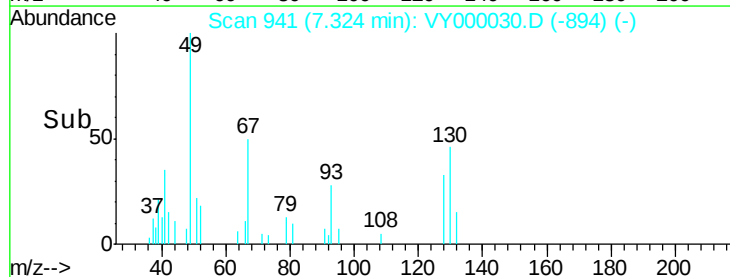
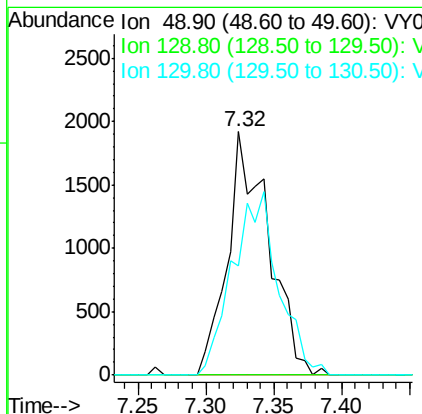
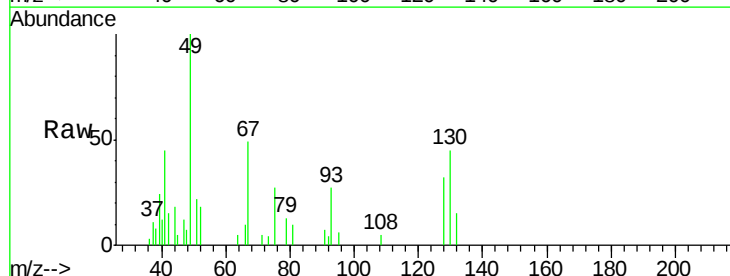
MMDadoda
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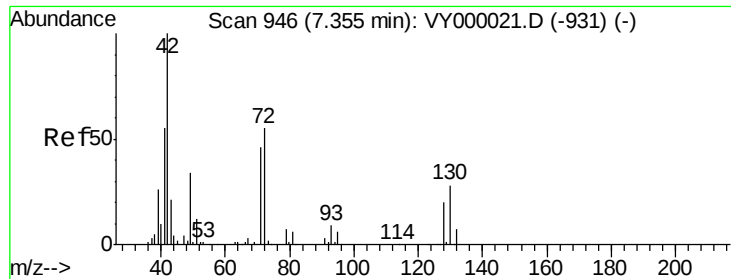


#28

Bromochloromethane
Concen: 3.639 ug/l
RT: 7.32 min Scan# 941
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	1.8
130	84.2	62.5	93.7





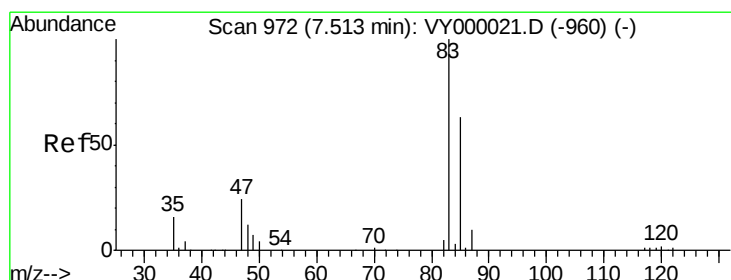
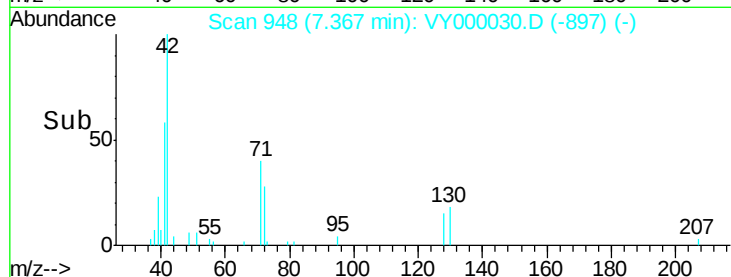
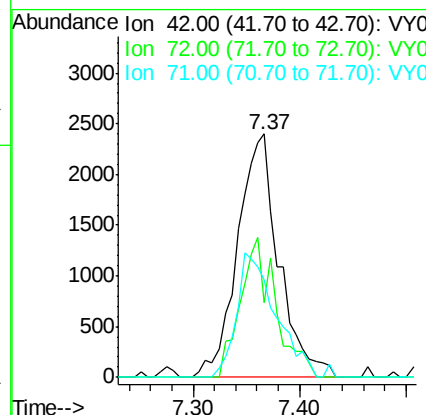
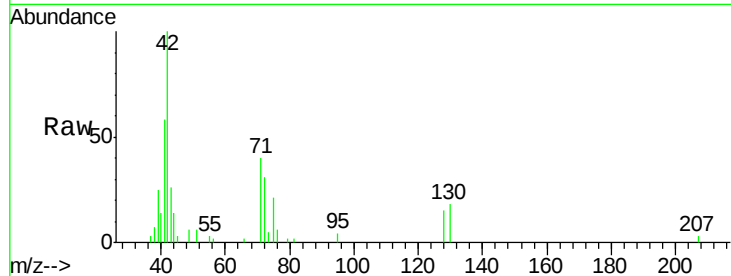
#29
Tetrahydrofuran
Concen: 17.484 ug/l
RT: 7.37 min Scan# 948
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.1	41.1	61.7
71	48.5	36.5	54.7

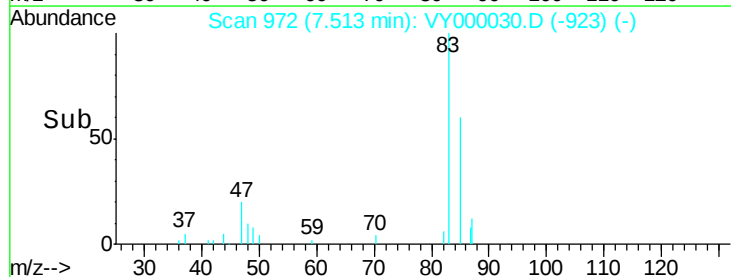
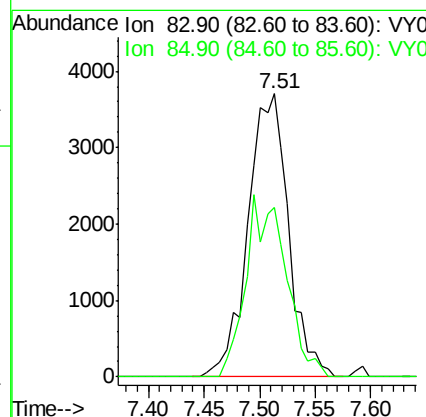
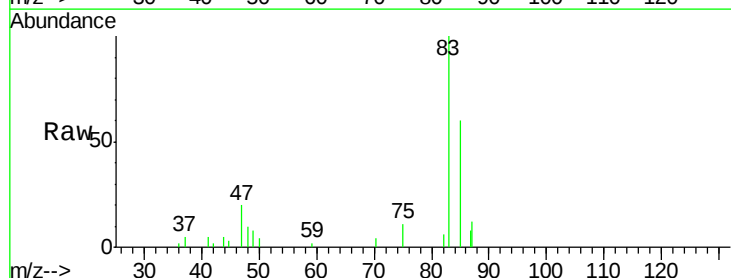
Manual Integrations
APPROVED

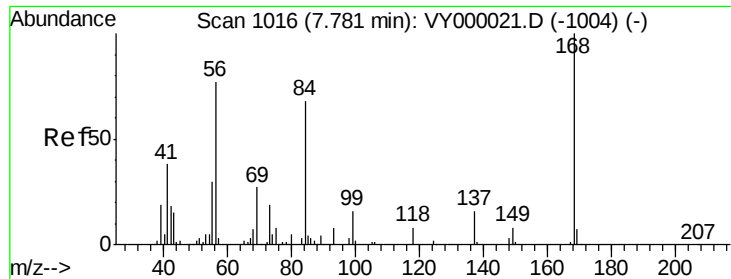
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#30
Chloroform
Concen: 3.757 ug/l
RT: 7.51 min Scan# 972
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	50.6	76.0





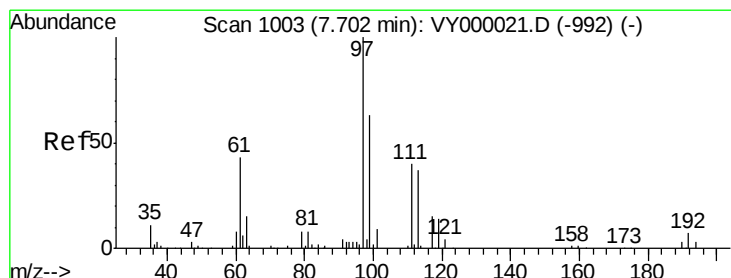
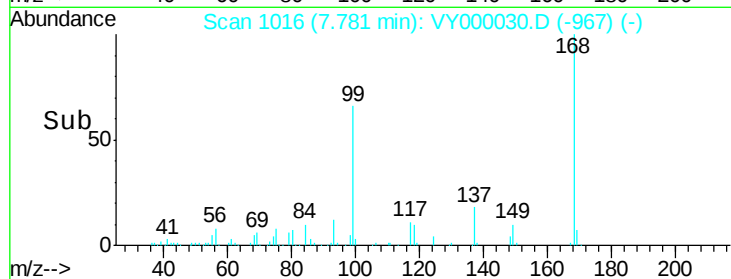
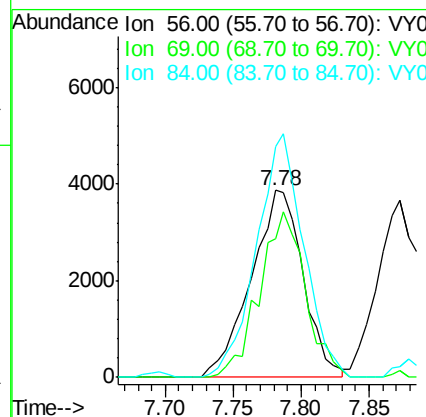
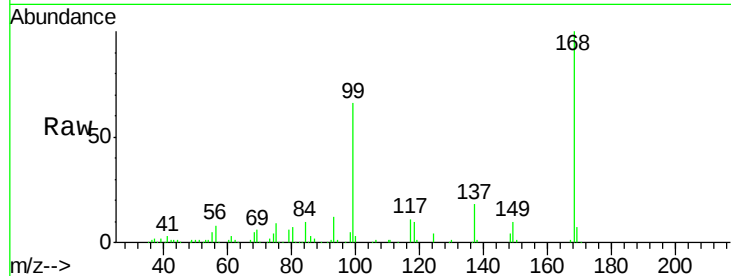
#31
Cyclohexane
Concen: 5.099 ug/l
RT: 7.78 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
56	100		
69	74.5	28.0	42.0#
84	123.7	70.4	105.6#

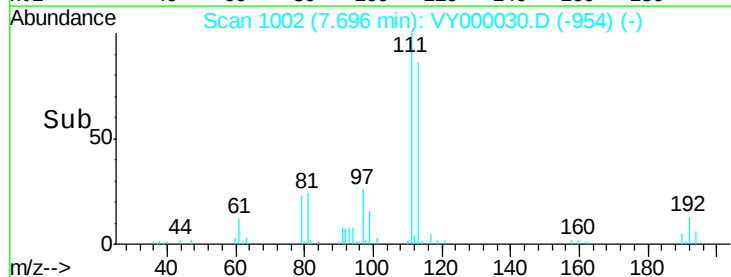
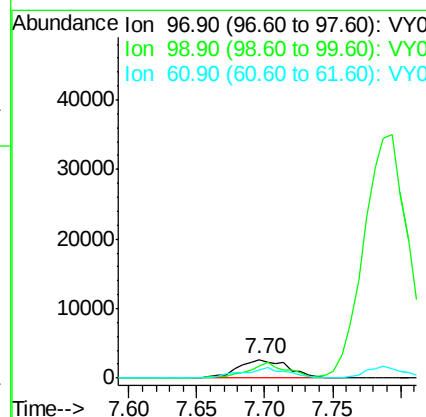
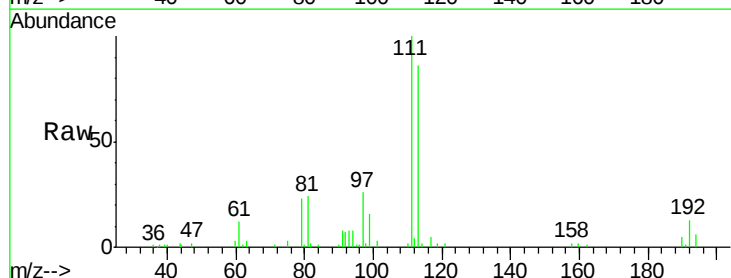
Manual Integrations
APPROVED

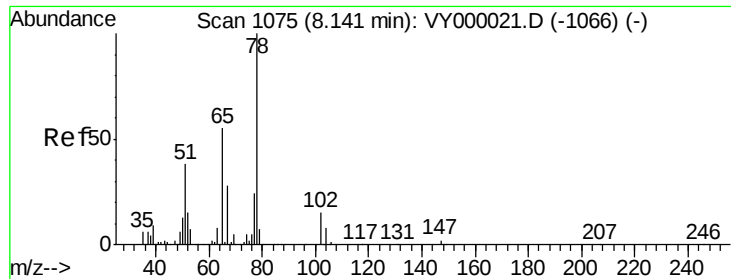
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#32
1,1,1-Trichloroethane
Concen: 3.325 ug/l
RT: 7.70 min Scan# 1002
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.0	51.0	76.6
61	50.6	35.7	53.5





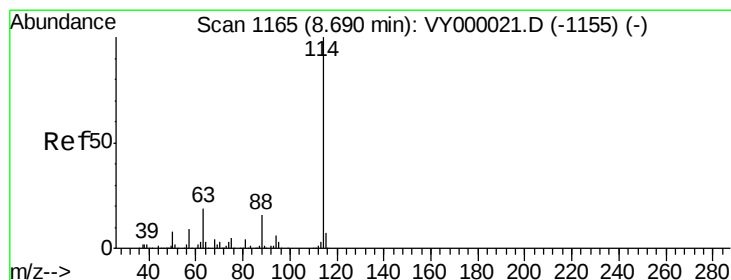
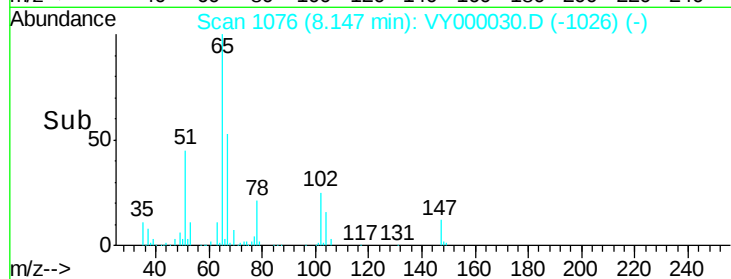
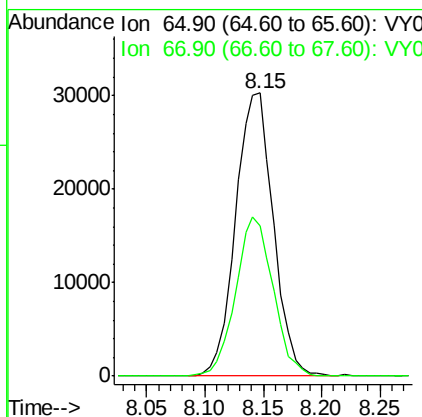
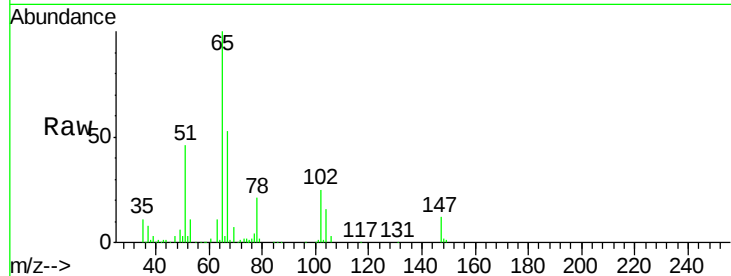
#33
 1,2-Dichloroethane-d4
 Concen: 49.017 ug/l
 RT: 8.15 min Scan# 1076
 Delta R.T. 0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Resp	Lower	Upper
65	100	68317		
67	55.7	0.0	104.4	

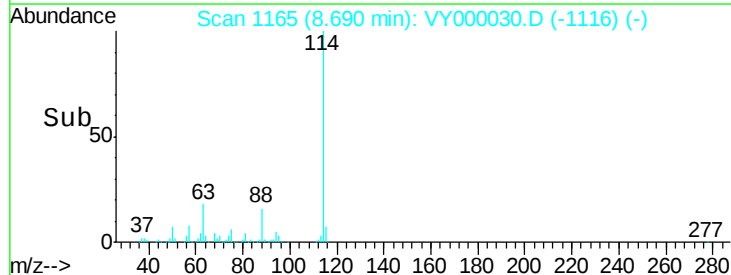
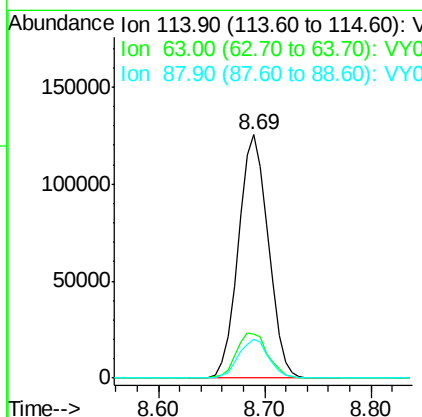
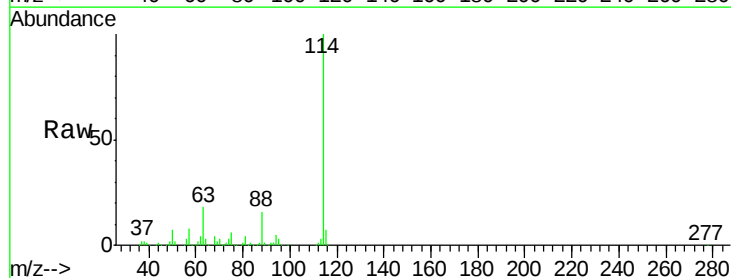
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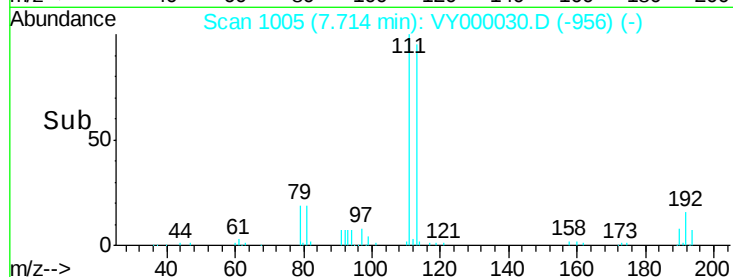
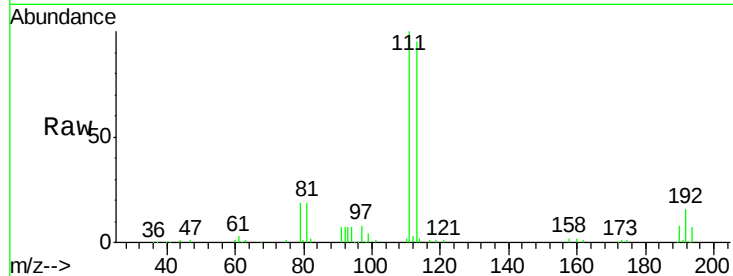
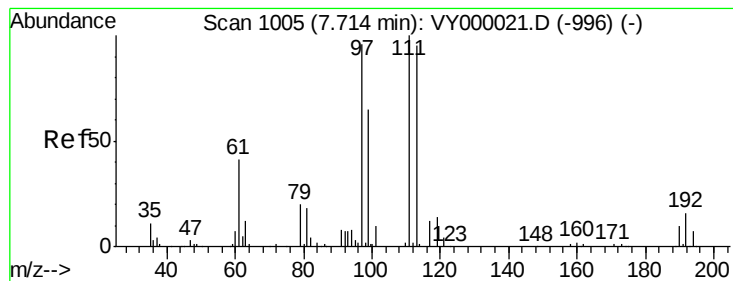
MMDadoda
 9/13/2019 11:54:01 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	247164		
63	18.3	0.0	38.6	
88	15.7	0.0	31.8	





#35

Dibromofluoromethane

Concen: 47.263 ug/l

RT: 7.71 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tot Ion:	113	Resp:	67018
Ion Ratio	Lower	Upper	
113	100		
111	103.7	83.9	125.9
192	16.8	14.5	21.7

Instrument :

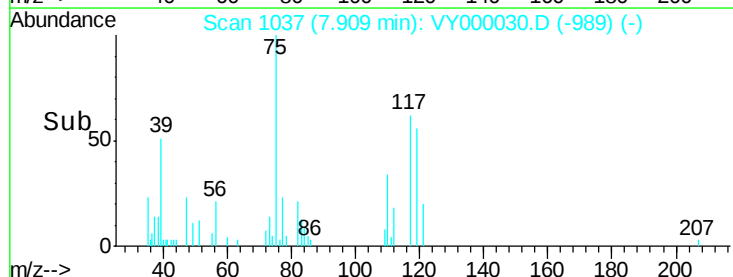
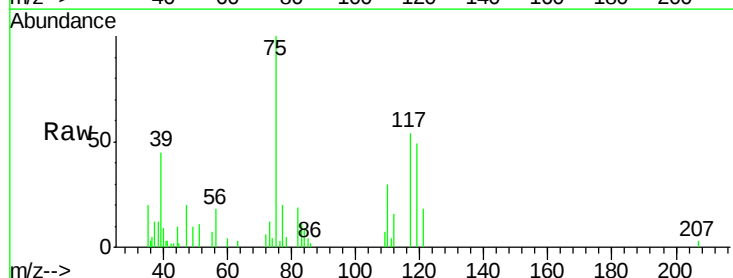
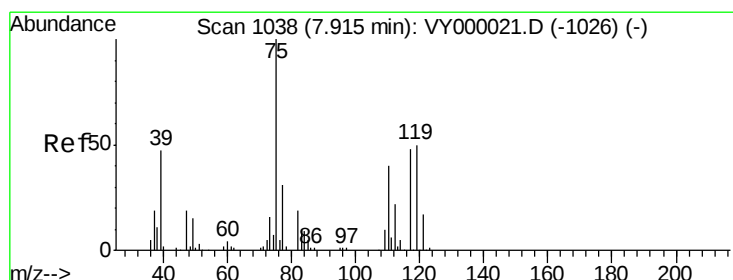
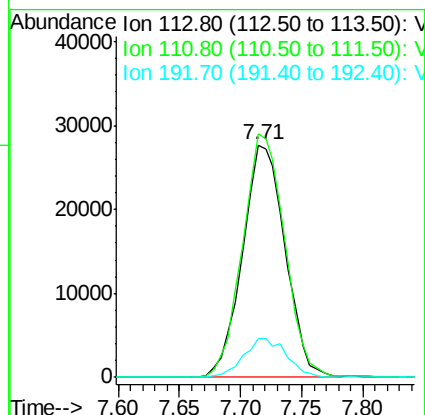
MSVOA_Y

ClientSampleId :

MDL3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 3.802 ug/l

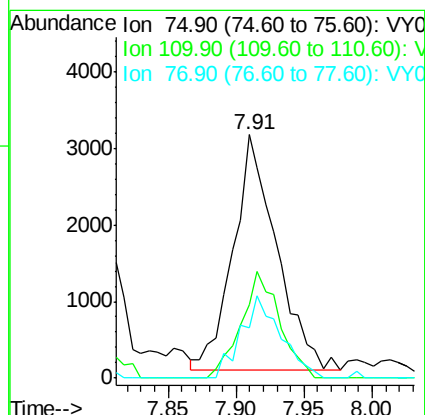
RT: 7.91 min Scan# 1037

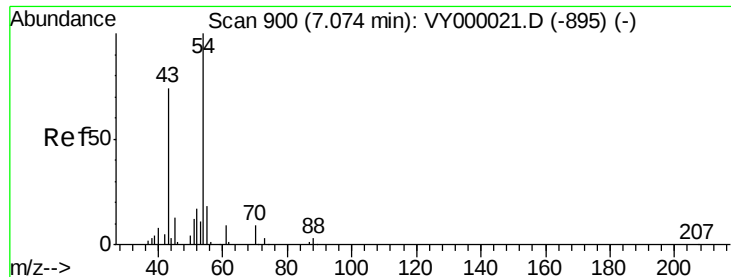
Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion:	75	Resp:	6900
Ion Ratio	Lower	Upper	
75	100		
110	39.9	18.6	55.8
77	31.6	24.4	36.6





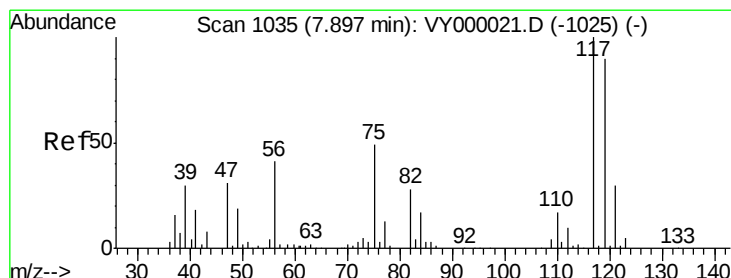
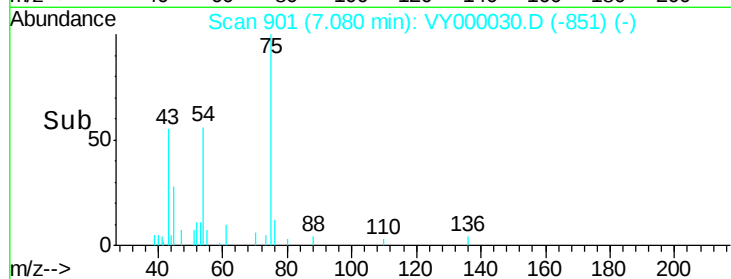
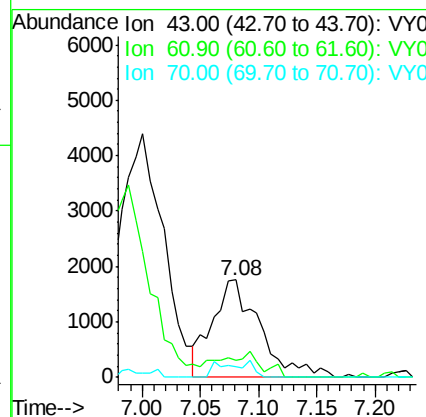
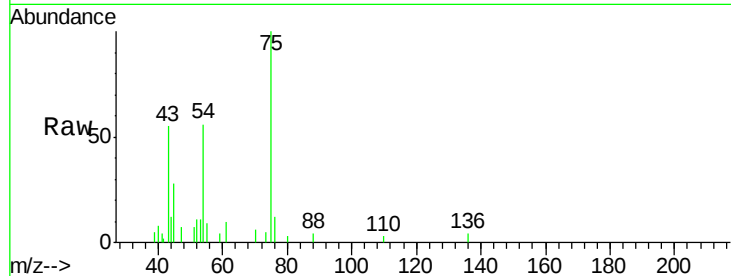
#37
Ethyl Acetate
Concen: 4.052 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.4	13.1	19.7#
70	0.0	10.9	16.3#

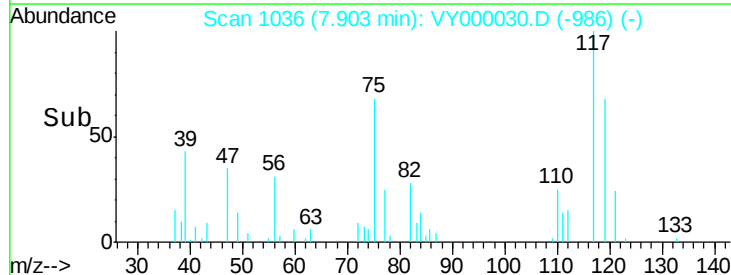
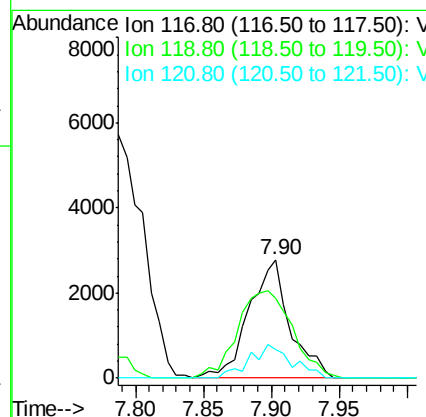
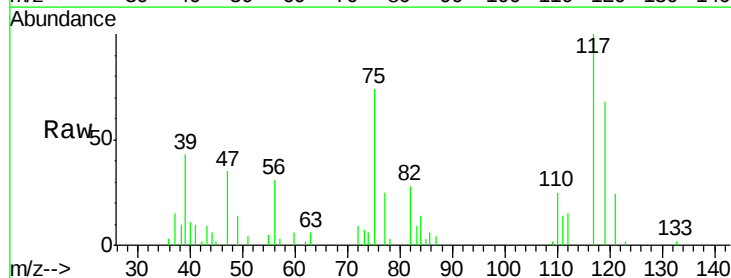
Manual Integrations
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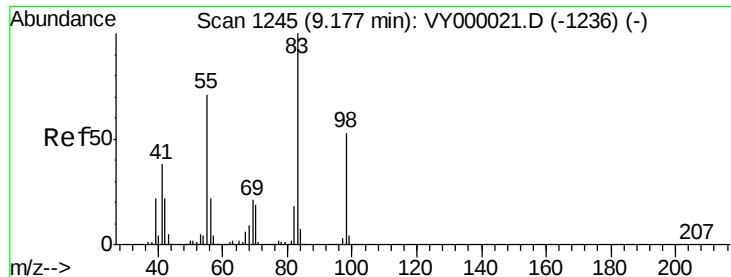
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#38
Carbon Tetrachloride
Concen: 3.461 ug/l
RT: 7.90 min Scan# 1036
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	67.5	72.1	108.1#
121	23.7	23.9	35.9#





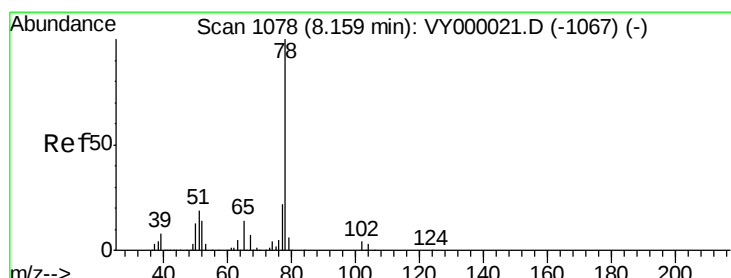
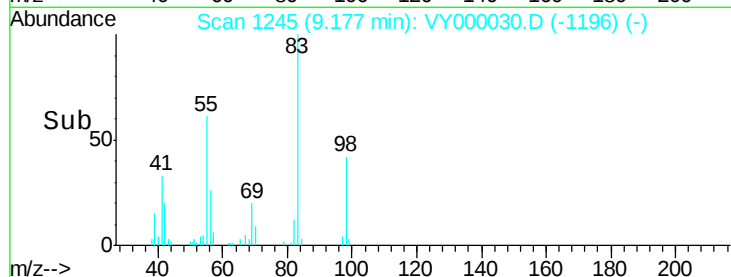
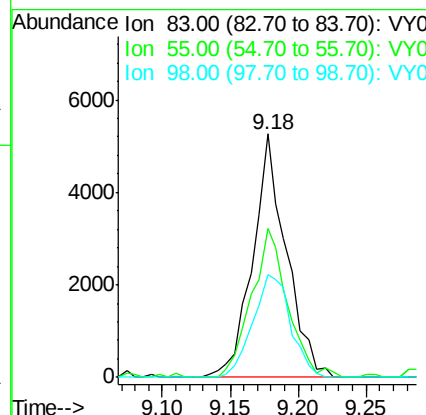
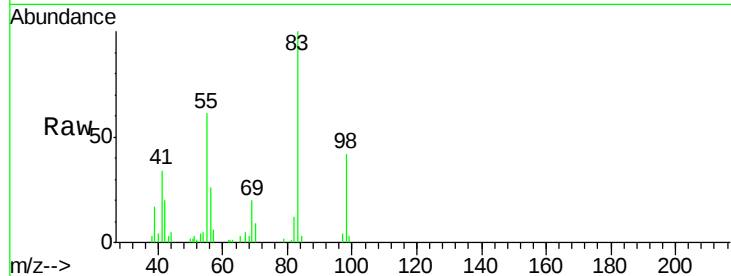
#39
Methvlcvclohexane
Concen: 4.048 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.2	57.0	85.4
98	42.4	42.0	63.0

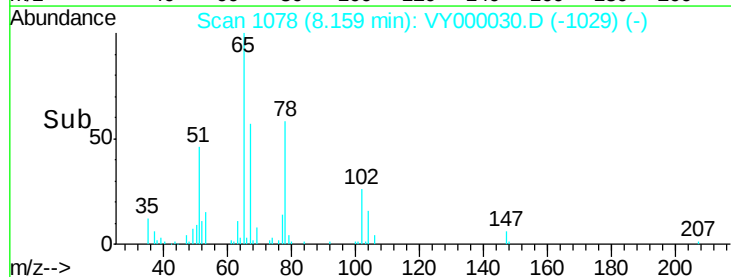
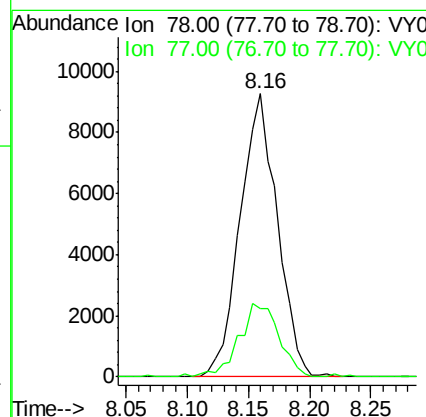
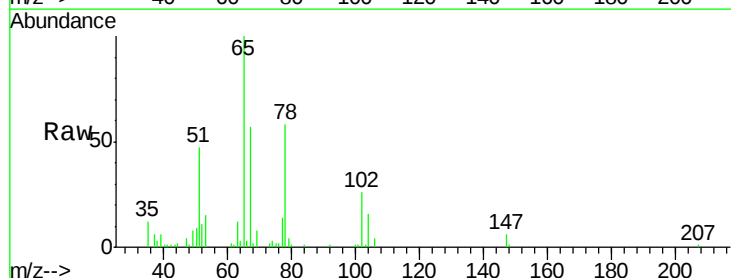
Manual Integrations
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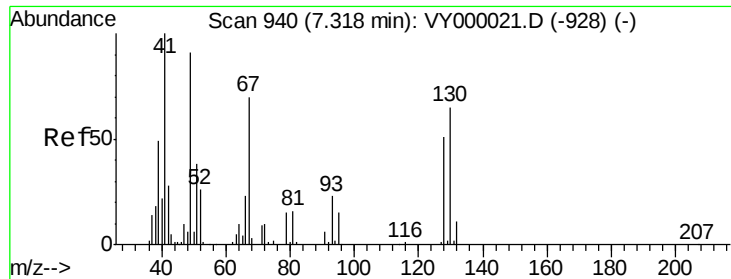
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#40
Benzene
Concen: 3.311 ug/l
RT: 8.16 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	17.8	26.6





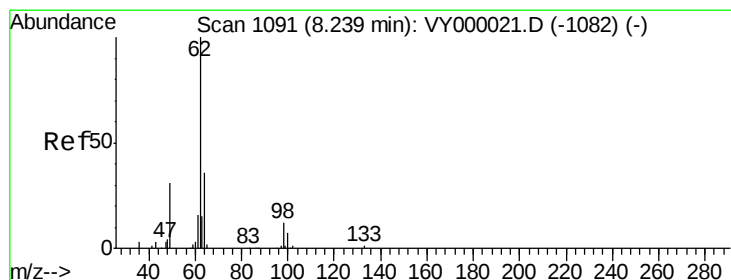
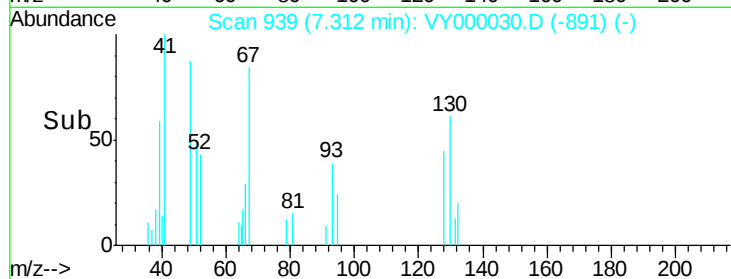
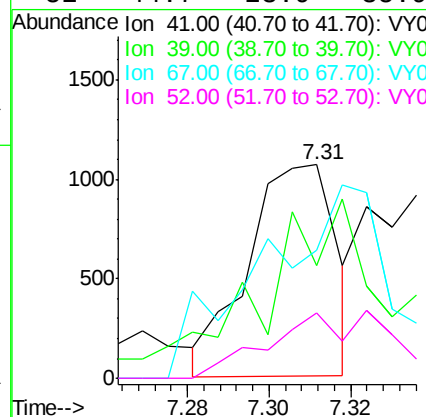
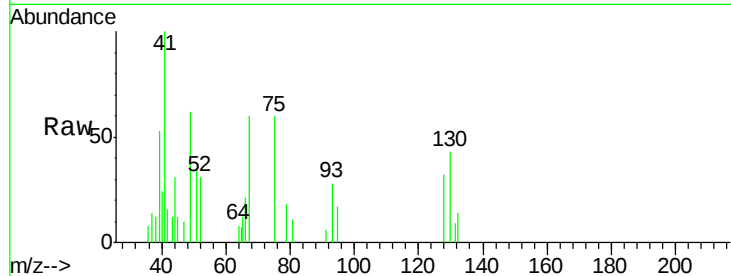
#41
Methacrylonitrile
Concen: 2.247 ug/l
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
41	100		
39	106.6	41.8	62.6#
67	136.7	65.8	98.6#
52	44.7	23.9	35.9#

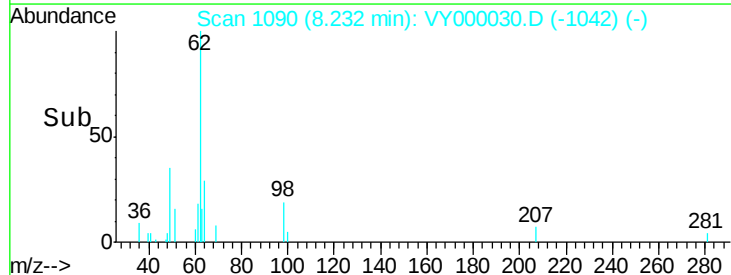
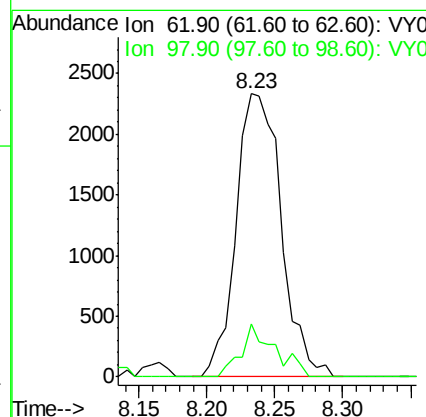
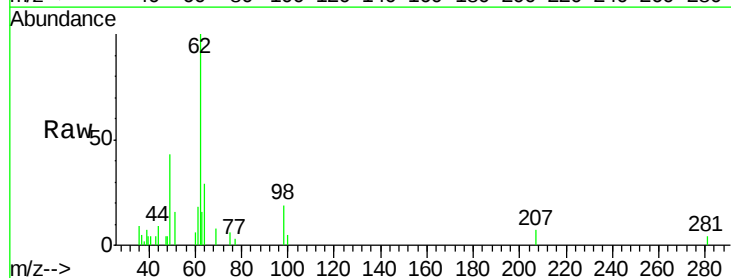
Manual Integrations
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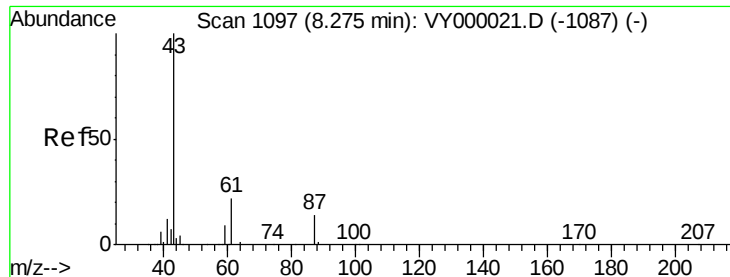
MMDadoda
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#42
1,2-Dichloroethane
Concen: 3.584 ug/l
RT: 8.23 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	14.0	0.0	23.2





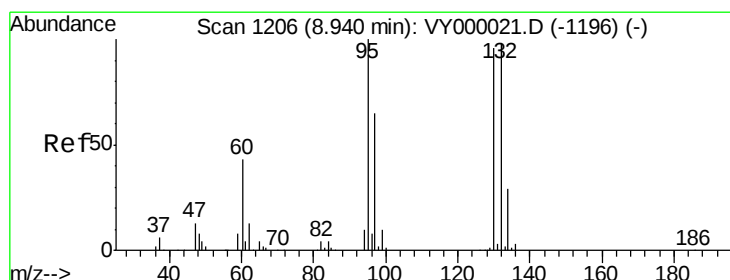
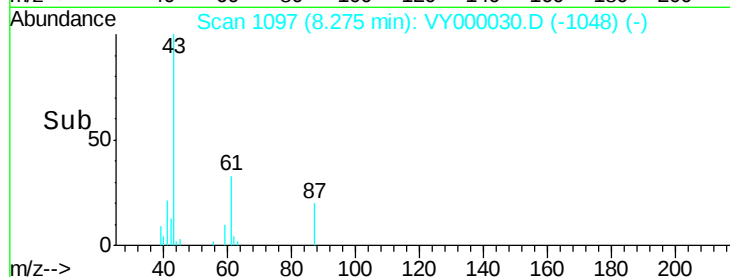
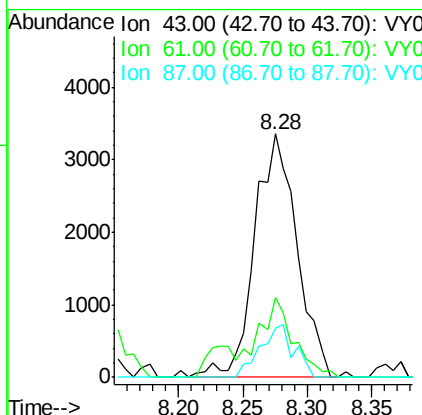
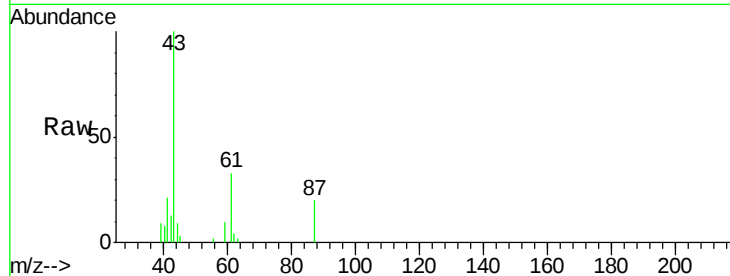
#43
Isopropyl Acetate
Concen: 3.207 ug/l
RT: 8.28 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	24.9	37.3
87	17.1	12.3	18.5

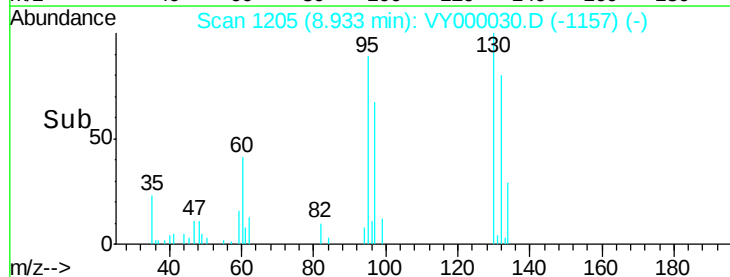
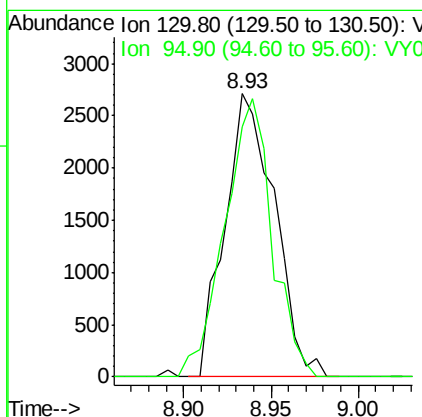
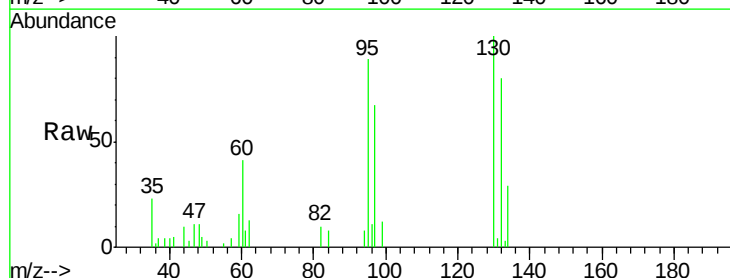
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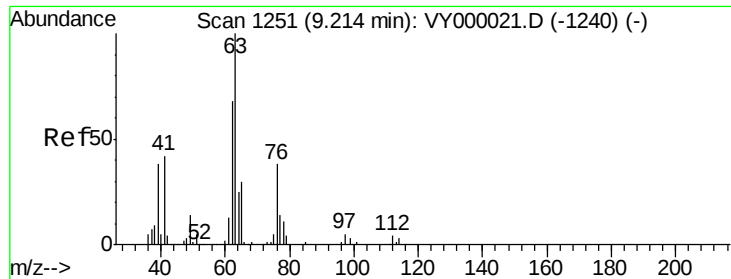
MMDadoda
9/13/2019 11:54:01 PM



#44
Trichloroethene
Concen: 3.639 ug/l
RT: 8.93 min Scan# 1205
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.5	0.0	207.4





#45

1,2-Dichloropropane

Concen: 3.033 ug/l

RT: 9.21 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampled :

MDL3

Tot Ion: 63 Resp: 4620

Ion Ratio Lower Upper

63 100

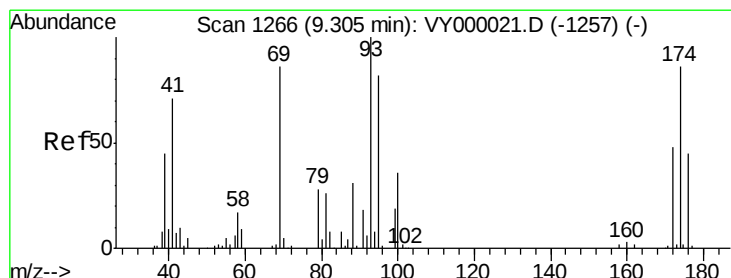
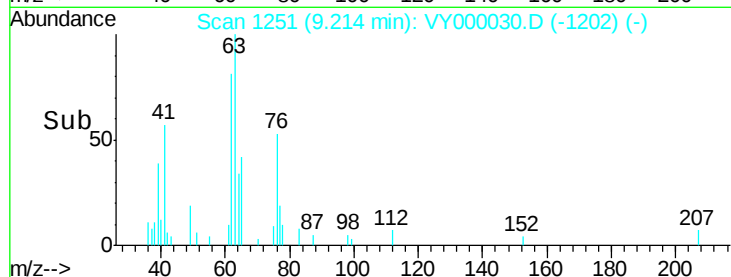
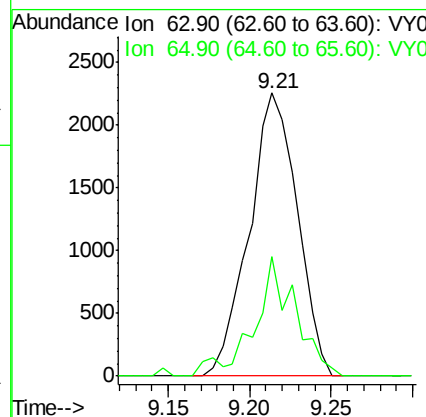
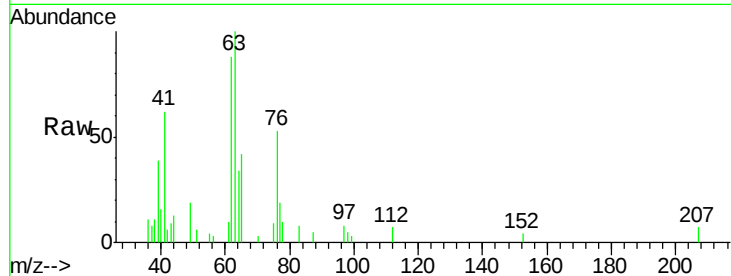
65 42.4 24.1 36.1#

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#46

Dibromomethane

Concen: 3.302 ug/l

RT: 9.31 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

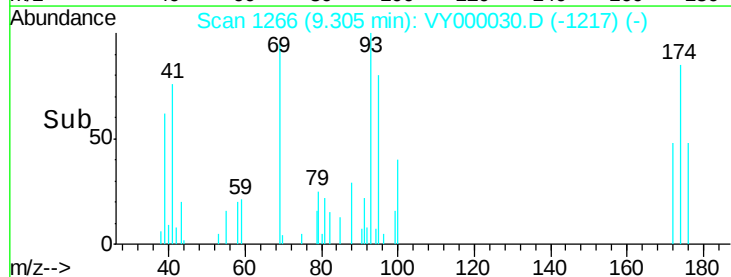
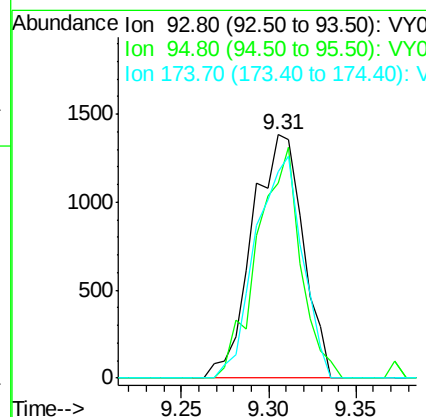
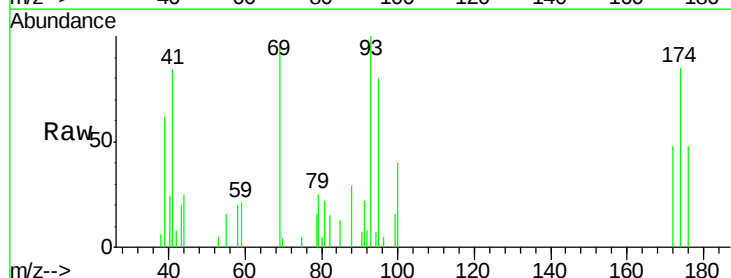
Tgt Ion: 93 Resp: 2792

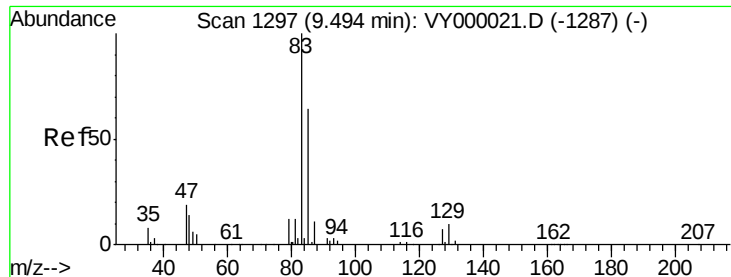
Ion Ratio Lower Upper

93 100

95 80.9 67.0 100.6

174 84.1 68.8 103.2





#47

Bromodichloromethane

Concen: 3.230 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

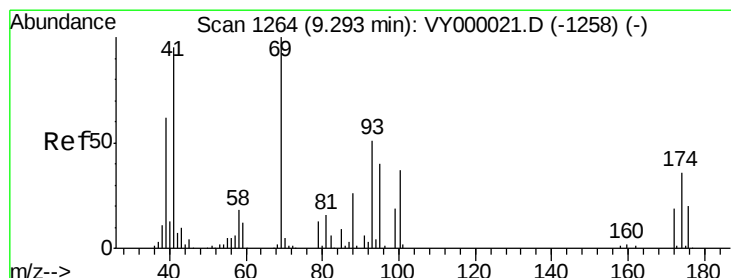
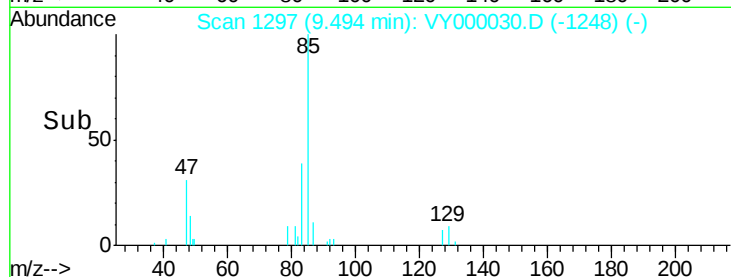
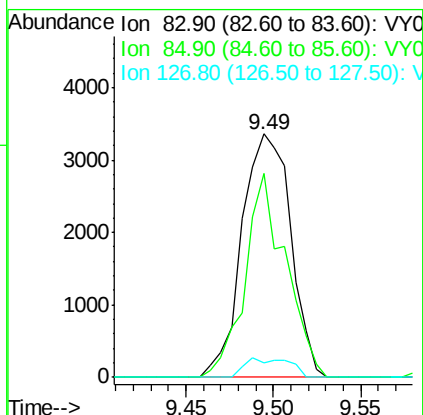
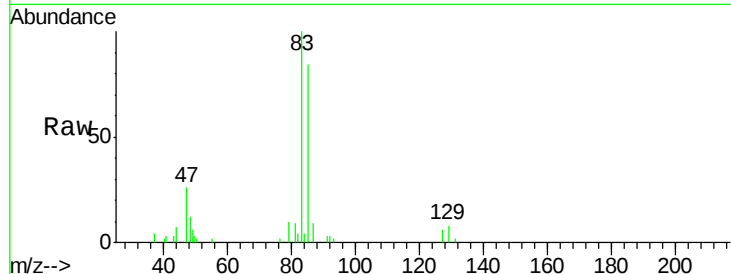
ClientSampleId :

MDL3

Tot Ion:	83	Resp:	6519
Ion	Ratio	Lower	Upper
83	100		
85	84.0	51.4	77.2#
127	6.0	5.4	8.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 3.415 ug/l

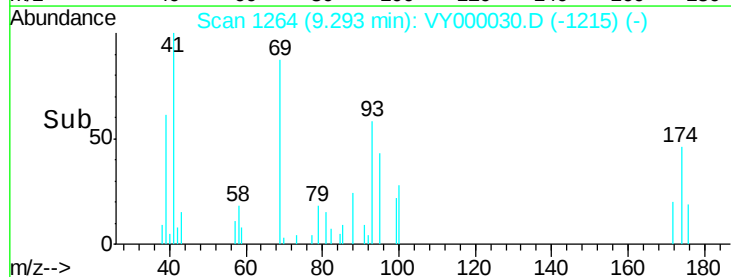
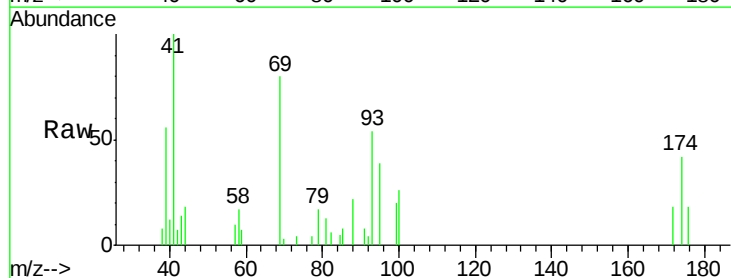
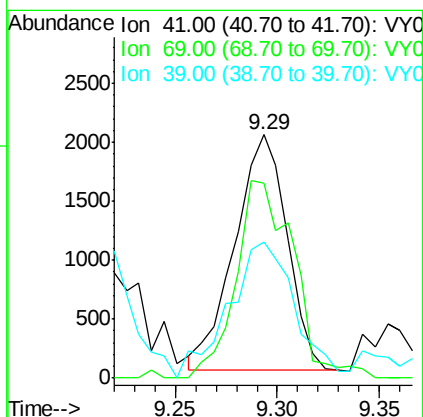
RT: 9.29 min Scan# 1264

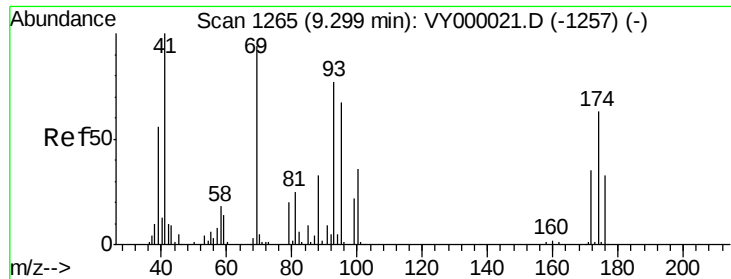
Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion:	41	Resp:	3573
Ion	Ratio	Lower	Upper
41	100		
69	92.1	79.7	119.5
39	72.1	48.6	72.8





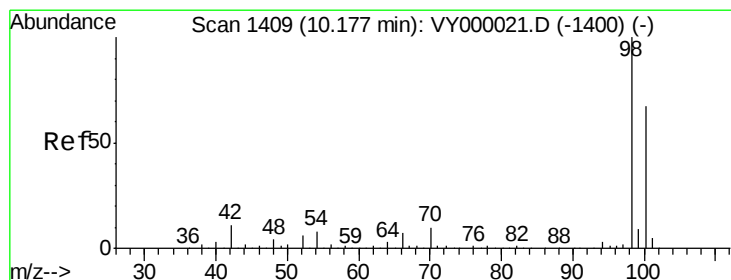
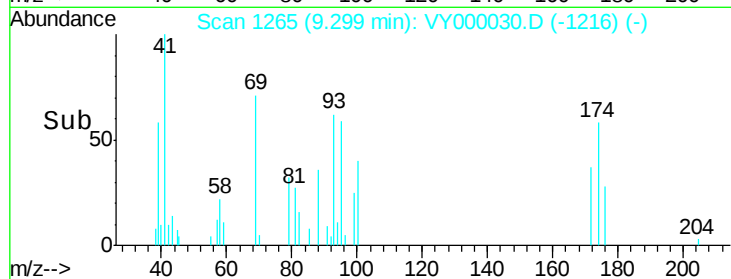
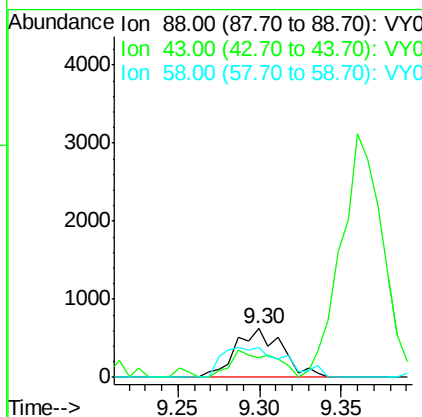
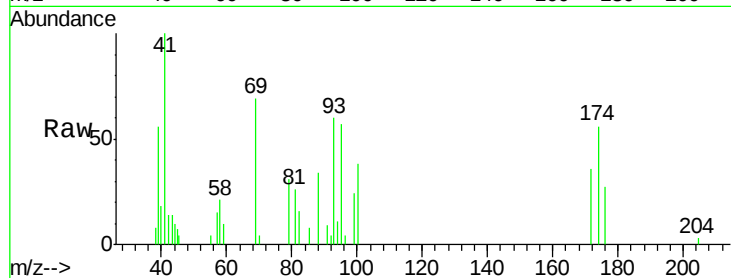
#49
1,4-Dioxane
Concen: 69.183 ug/l
RT: 9.30 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
88	100		
43	51.8	24.6	37.0#
58	84.1	52.7	79.1#

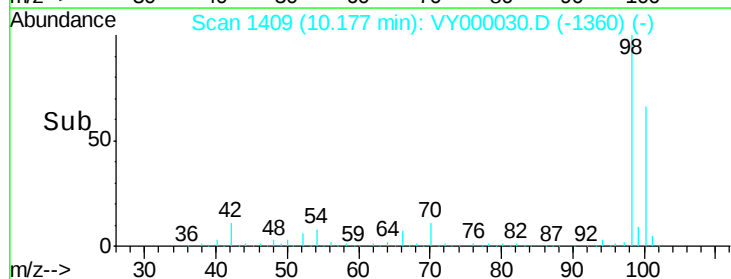
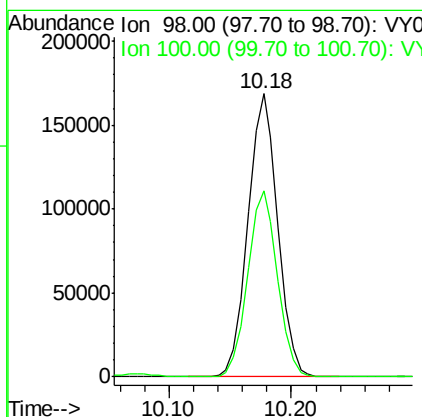
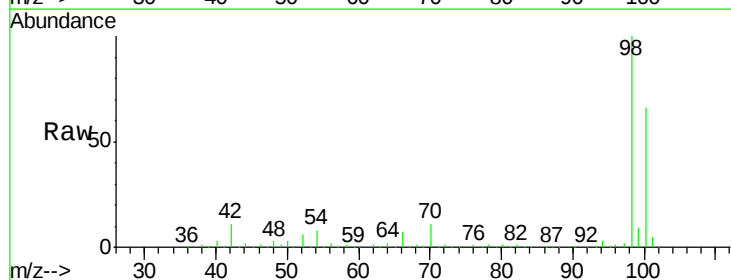
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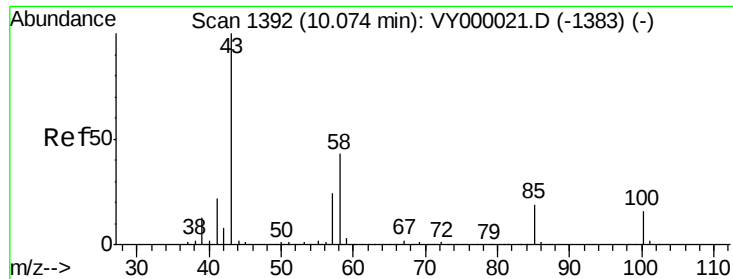
MMDadoda
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#50
Toluene-d8
Concen: 49.853 ug/l
RT: 10.18 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	54.0	81.0





#51

4-Methyl-2-Pentanone

Concen: 15.107 ug/l

RT: 10.07 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 43 Resp: 20074

Ion Ratio Lower Upper

43 100

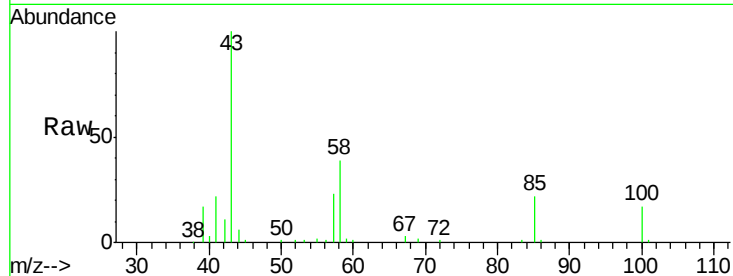
58 43.7 34.1 51.1

Manual Integrations

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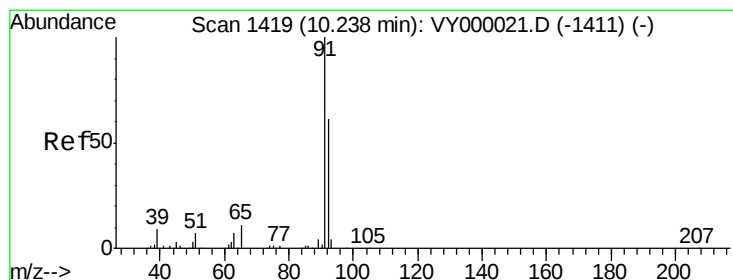
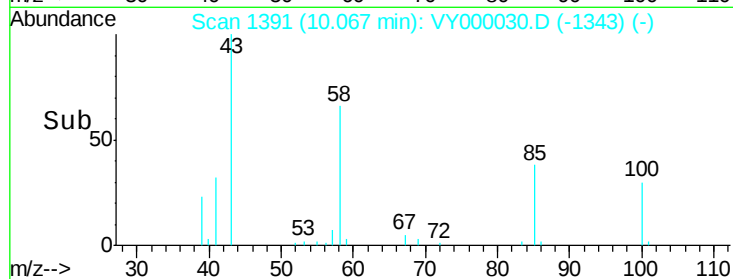
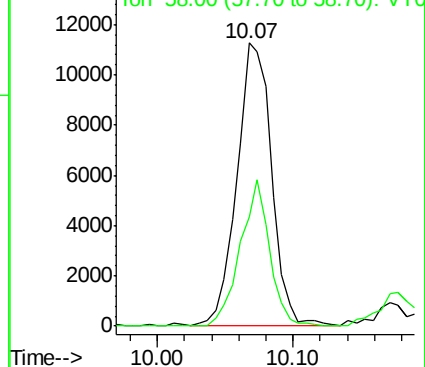
MMDadoda

9/13/2019 11:54:01 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 3.389 ug/l

RT: 10.24 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VY000030.D

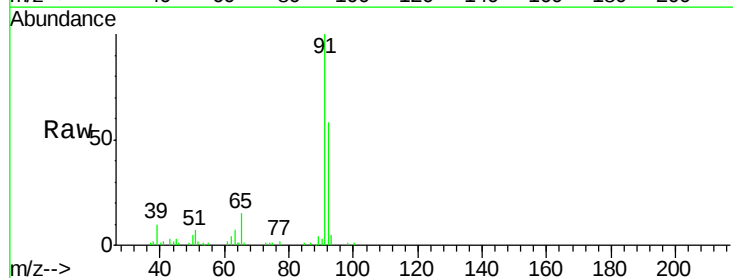
Acq: 12 Sep 2019 17:03

Tgt Ion: 92 Resp: 12581

Ion Ratio Lower Upper

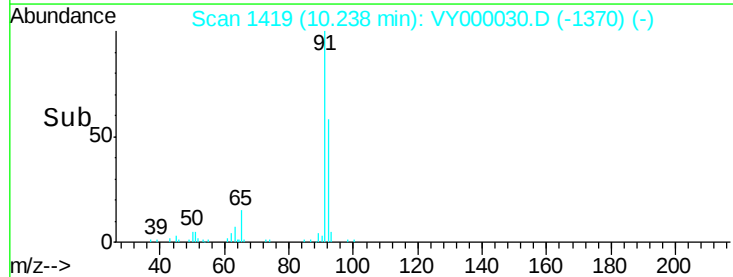
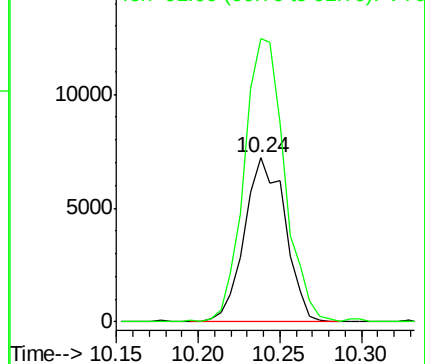
92 100

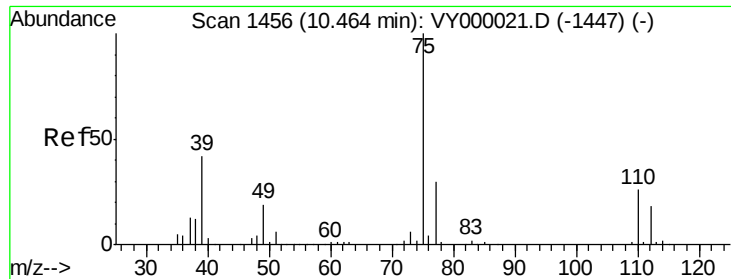
91 171.0 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





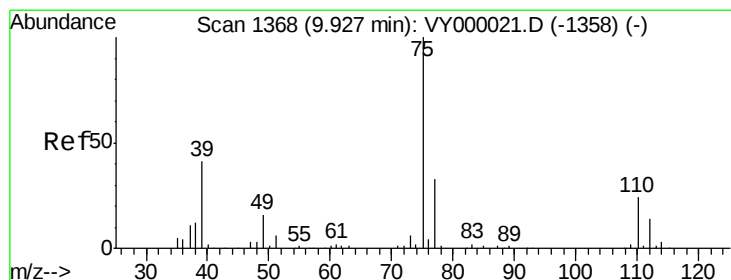
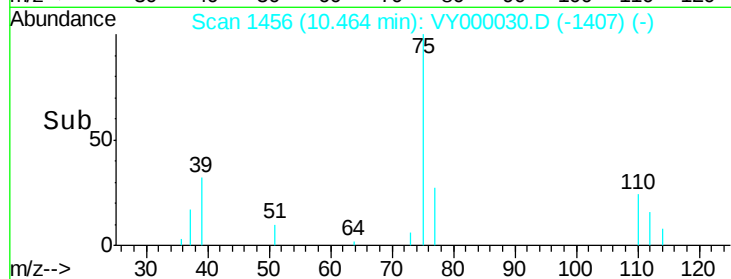
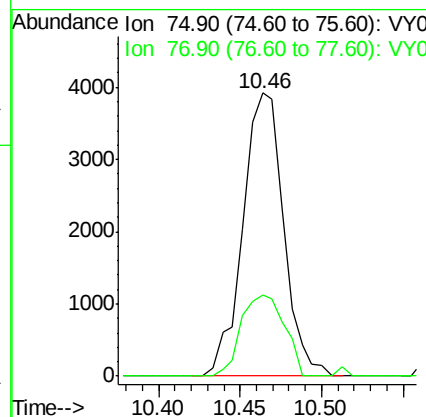
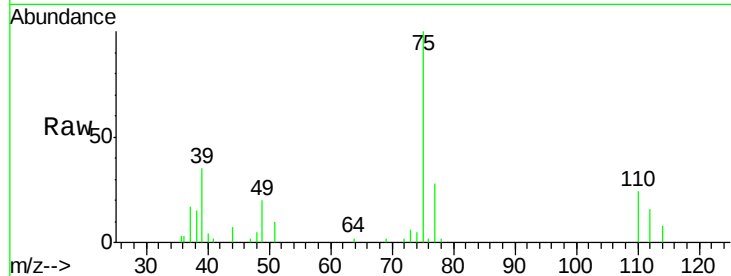
#53
 t-1,3-Dichloropropene
 Concen: 3.221 ug/l
 RT: 10.46 min Scan# 1456
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion: 75 Resp: 6835
 Ion Ratio Lower Upper
 75 100
 77 28.5 23.8 35.8

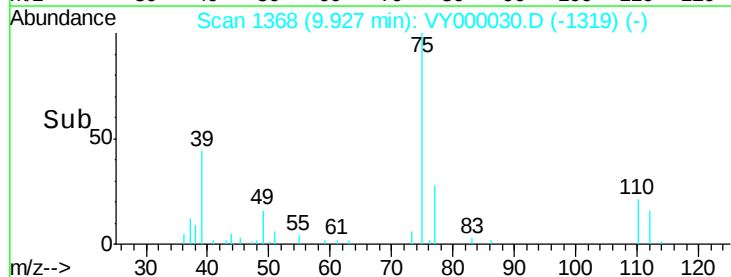
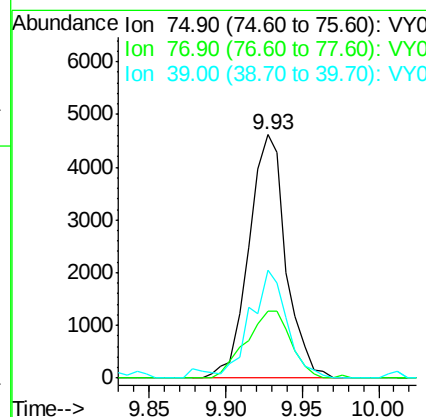
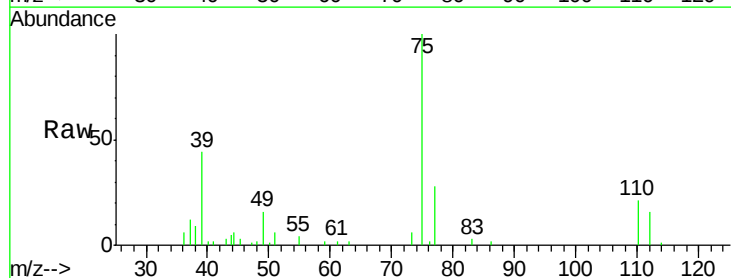
Manual Integrations
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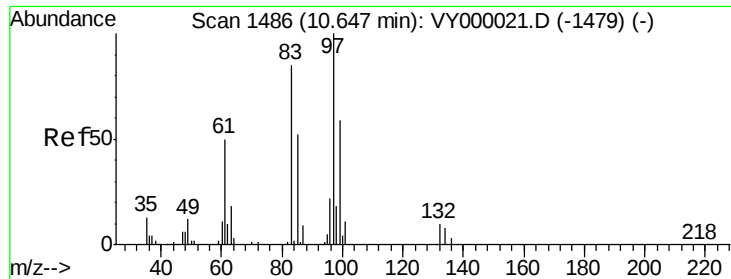
MMDadoda
 9/13/2019 11:54:01 PM



#54
 cis-1,3-Dichloropropene
 Concen: 3.144 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion: 75 Resp: 7764
 Ion Ratio Lower Upper
 75 100
 77 27.7 26.3 39.5
 39 44.5 32.9 49.3





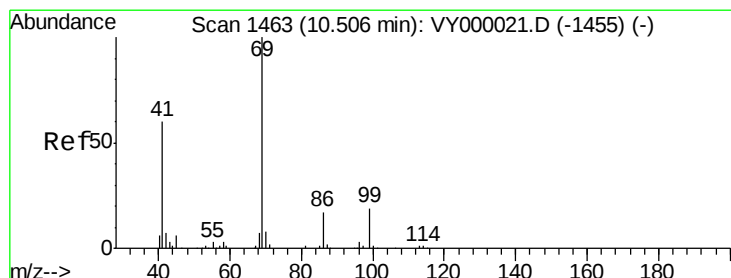
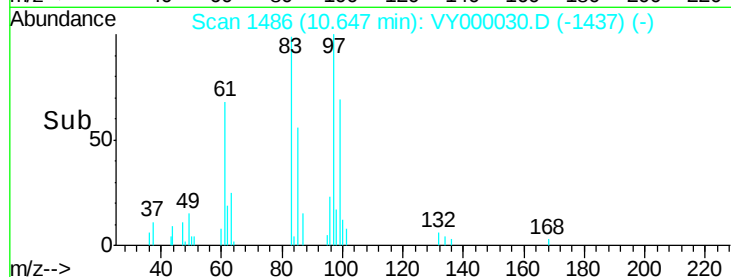
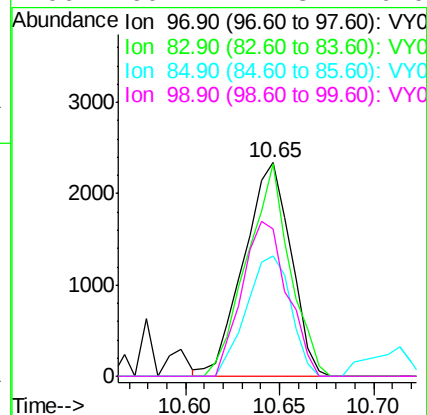
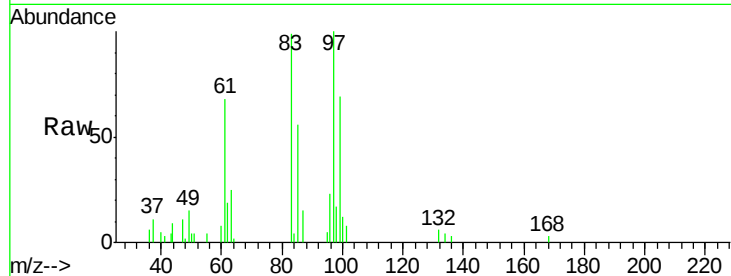
#55
1,1,2-Trichloroethane
Concen: 3.029 ug/l
RT: 10.65 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Lower	Upper
97	100		
83	99.4	68.2	102.2
85	56.4	41.7	62.5
99	69.2	47.3	70.9

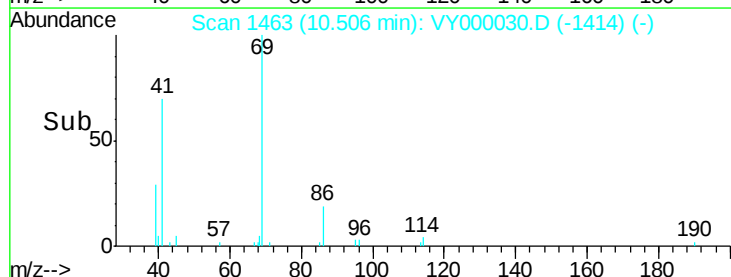
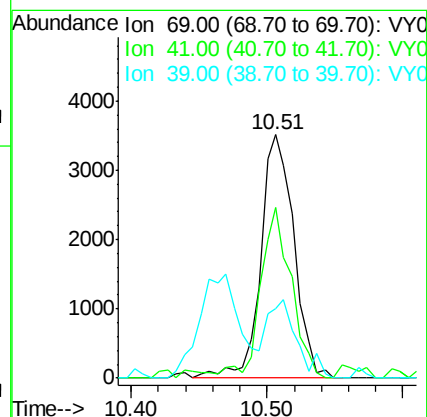
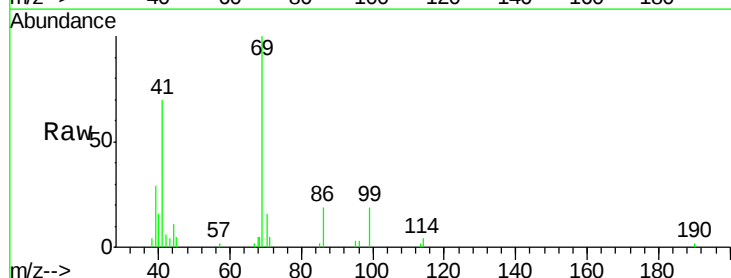
Manual Integrations
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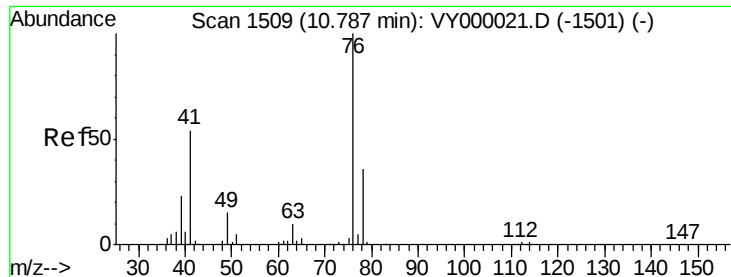
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#56
Ethyl methacrylate
Concen: 3.203 ug/l
RT: 10.51 min Scan# 1463
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.9	47.0	70.4
39	28.8	26.4	39.6





#57

1,3-Dichloropropane

Concen: 3.416 ug/l

RT: 10.79 min Scan# 1509

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion: 76 Resp: 7320

Ion Ratio Lower Upper

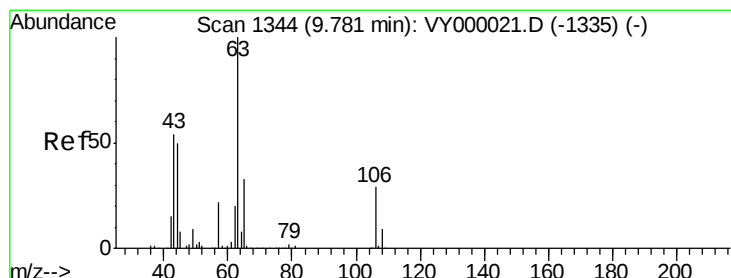
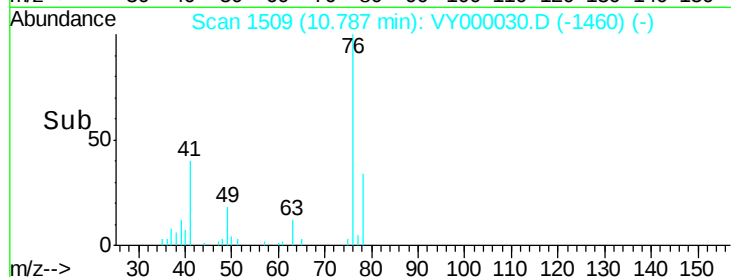
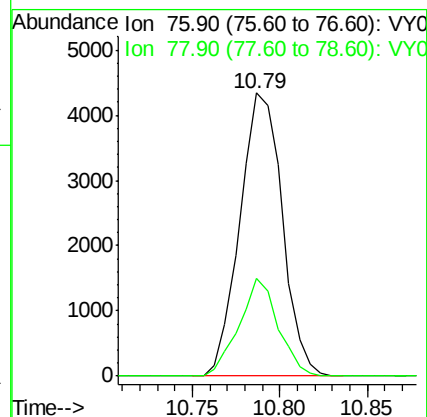
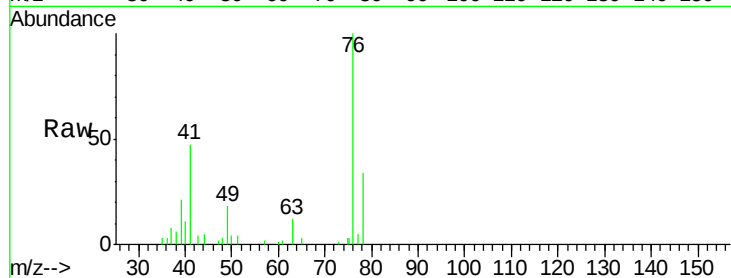
76 100

78 31.7 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 18.098 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000030.D

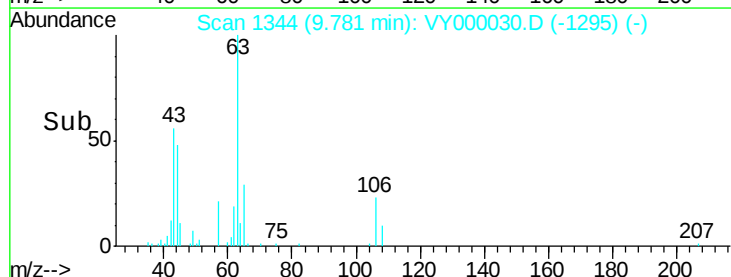
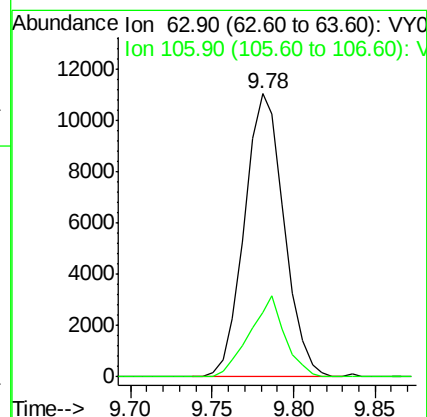
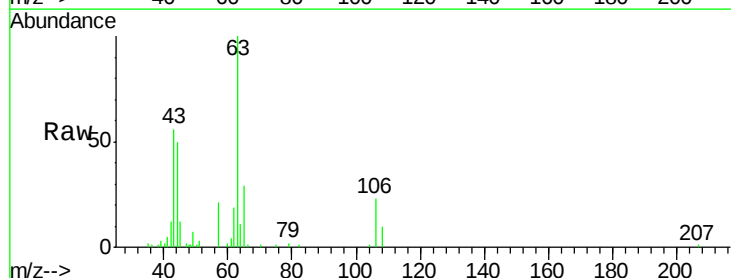
Acq: 12 Sep 2019 17:03

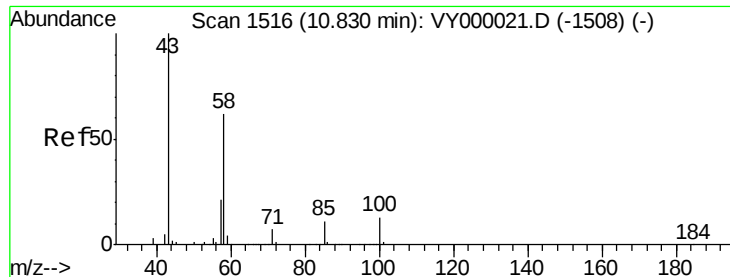
Tgt Ion: 63 Resp: 18641

Ion Ratio Lower Upper

63 100

106 25.6 23.7 35.5





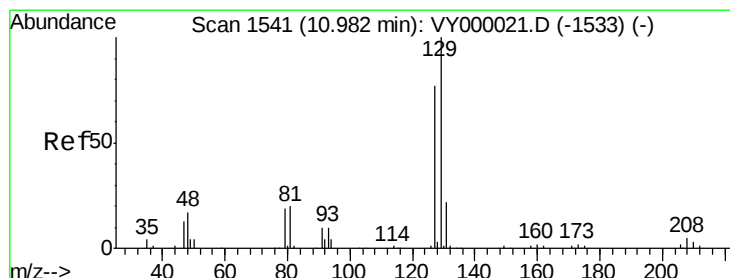
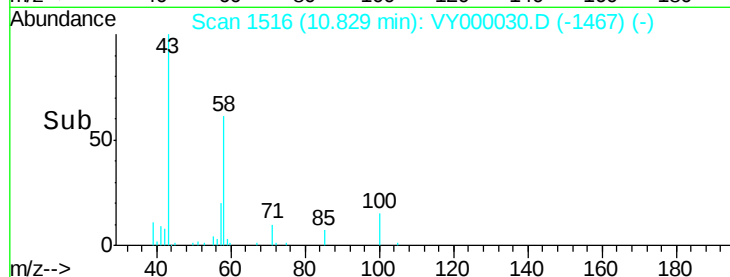
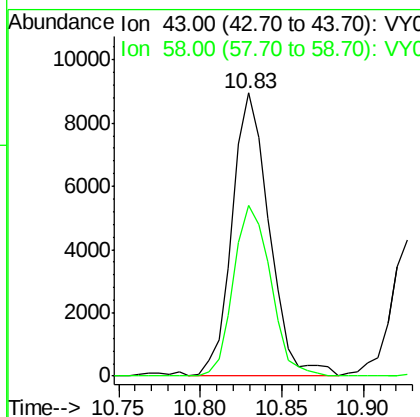
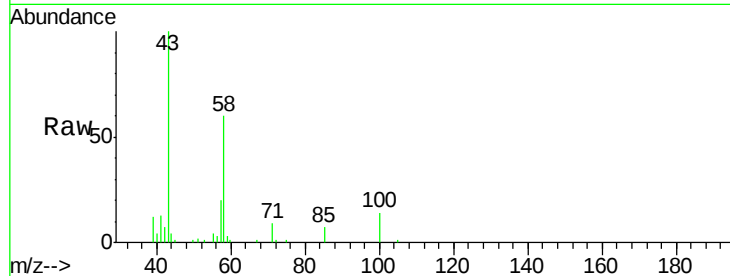
#59
2-Hexanone
Concen: 14.843 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	43	Resp	14213
Ion Ratio	100	Lower	Upper
43	100		
58	60.4	30.3	90.8

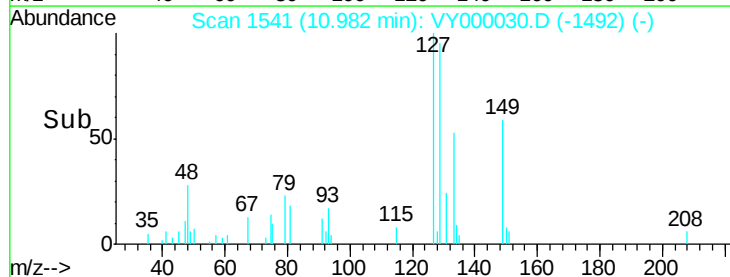
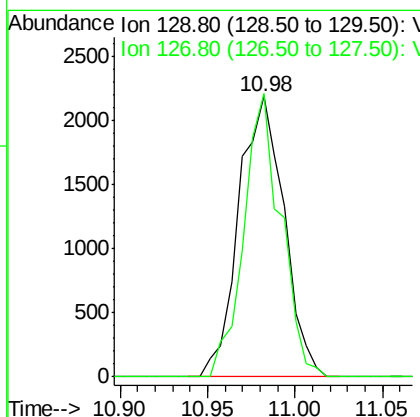
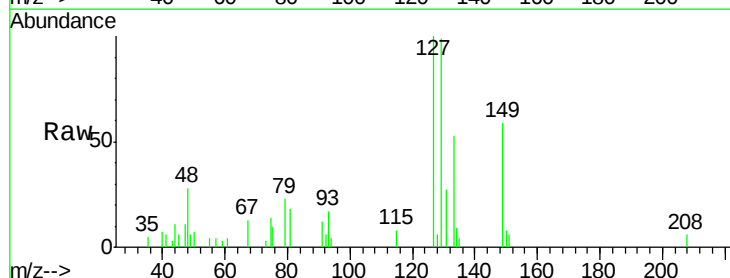
Manual Integrations
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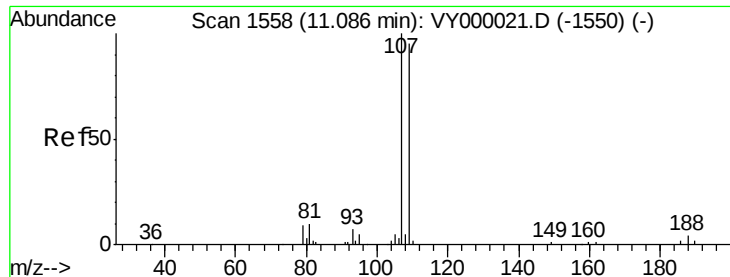
MMDadoda
9/13/2019 11:54:01 PM



#60
Dibromochloromethane
Concen: 2.779 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	129	Resp	3923
Ion Ratio	100	Lower	Upper
129	100		
127	82.8	38.4	115.2





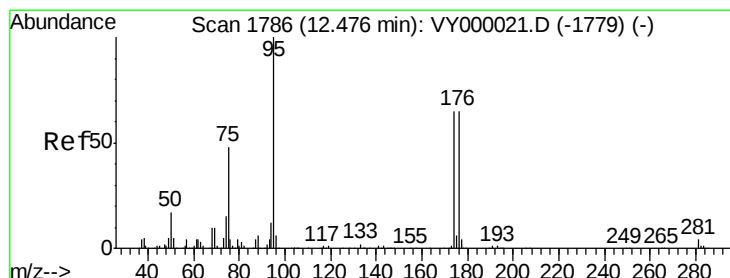
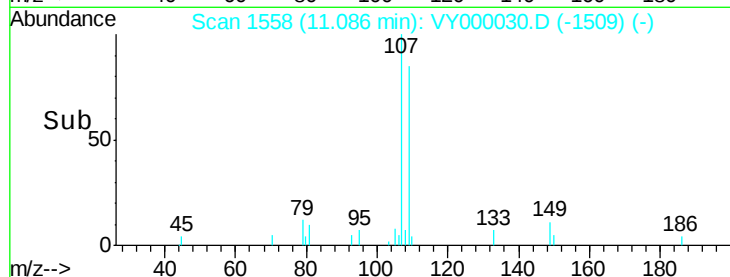
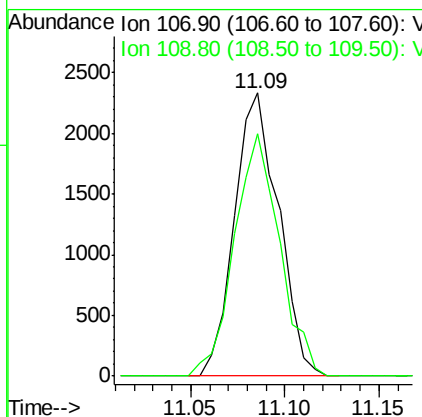
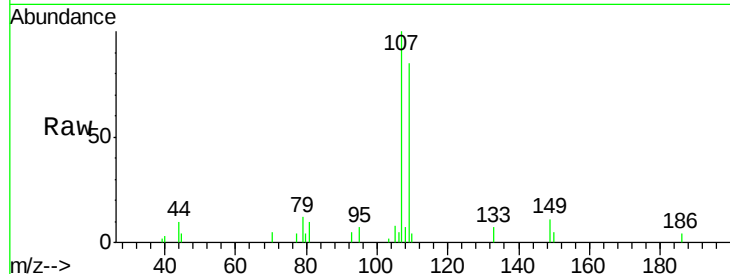
#61
 1,2-Dibromoethane
 Concen: 3.187 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Lower	Upper
107	100		
109	88.0	76.7	115.1

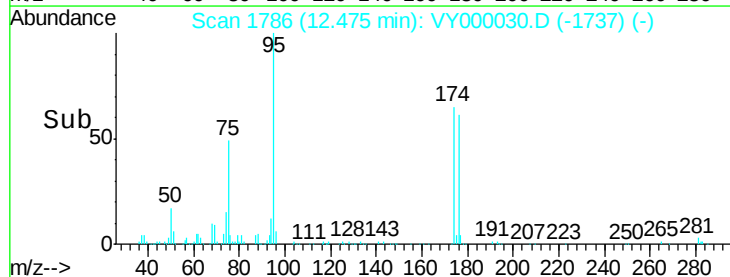
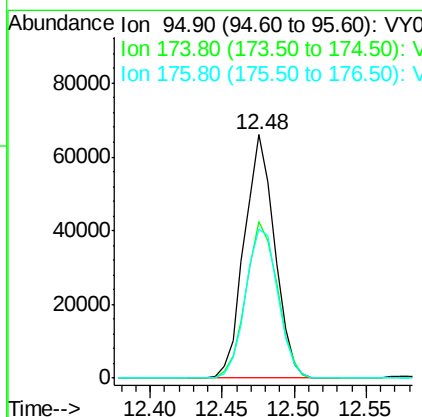
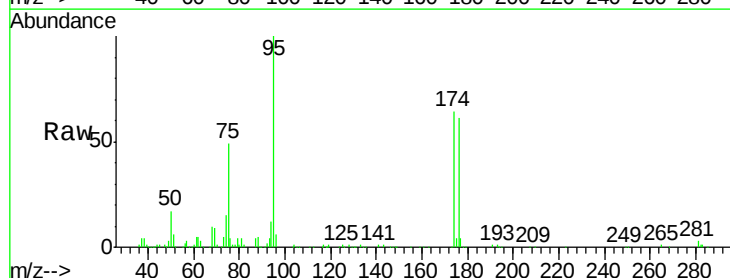
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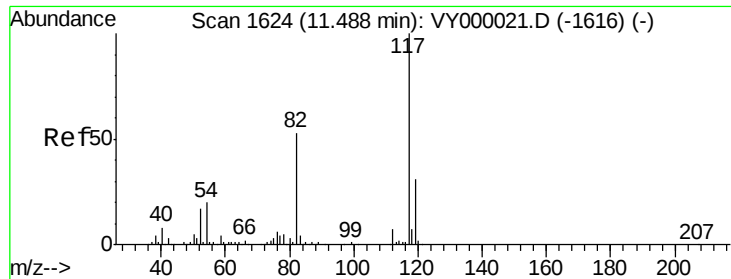
MMDadoda
 9/13/2019 11:54:01 PM



#62
 4-Bromofluorobenzene
 Concen: 46.382 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.2	0.0	137.6
176	65.2	0.0	134.8





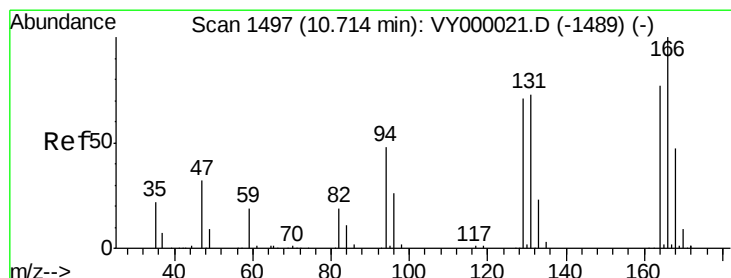
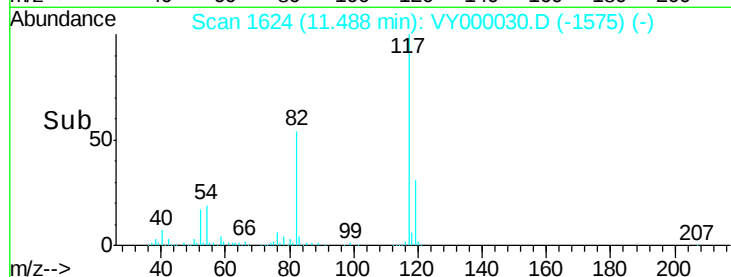
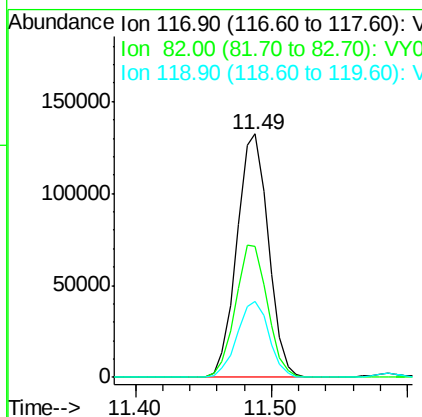
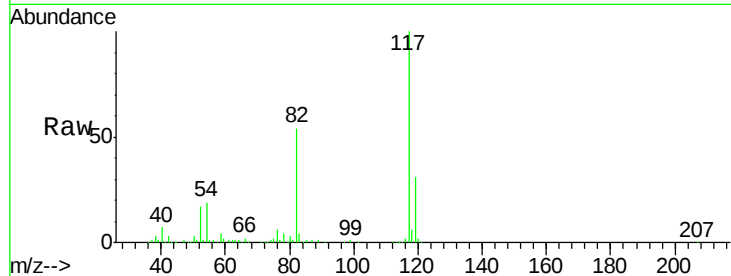
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion	Ratio	Resp	Lower	Upper
117	100	213943		
82	54.1	42.5	63.7	
119	31.2	25.1	37.7	

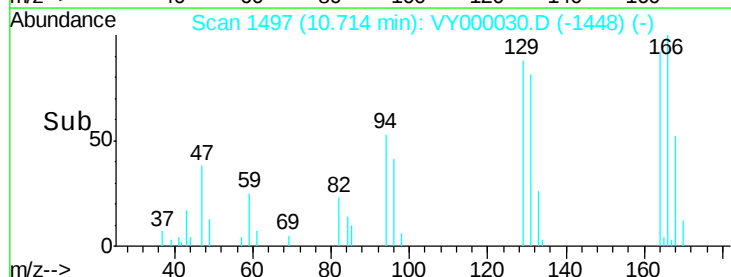
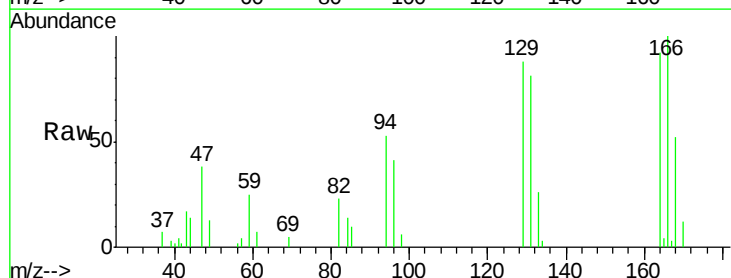
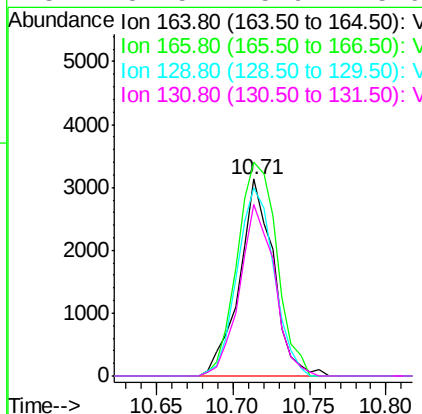
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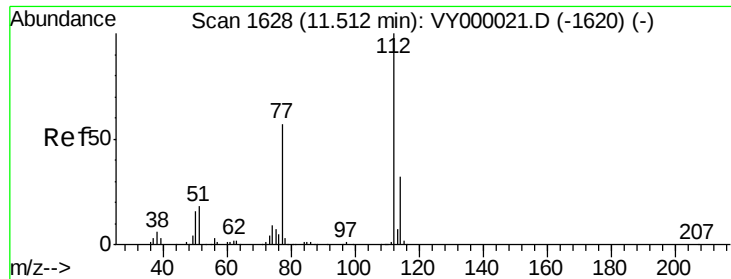
MMDadoda
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#64
Tetrachloroethene
Concen: 3.700 ug/l
RT: 10.71 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	4854		
166	108.6	103.4	155.0	
129	95.9	73.4	110.0	
131	87.5	75.9	113.9	





#65

Chlorobenzene

Concen: 3.246 ug/l

RT: 11.51 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

ClientSampleId :

MDL3

Tot Ion:112 Resp: 13232

Ion Ratio Lower Upper

112 100

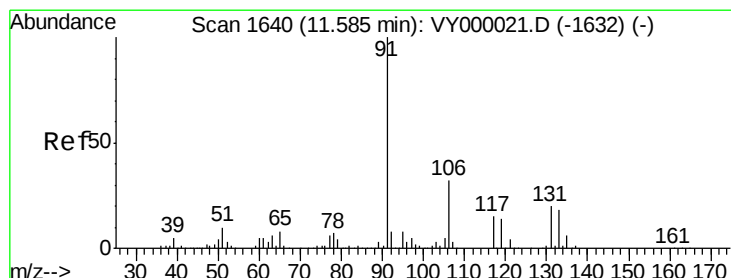
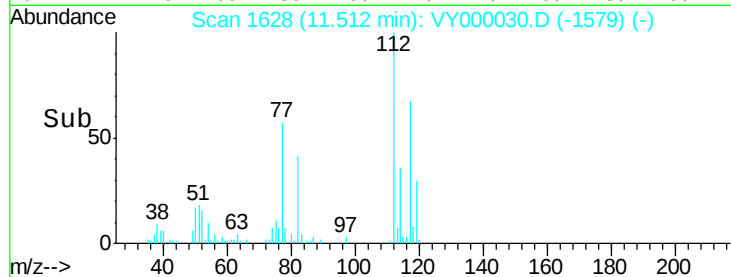
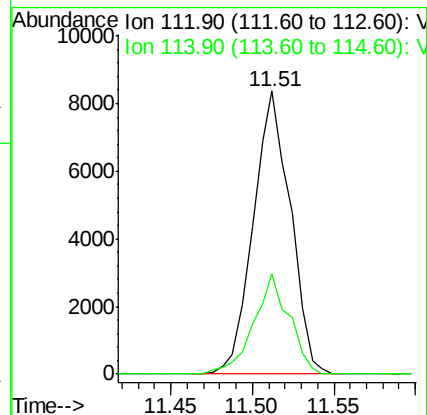
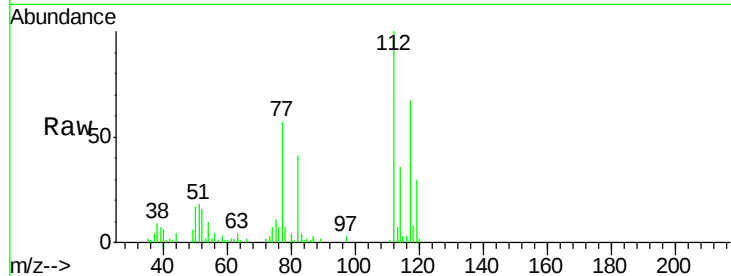
114 35.7 25.4 38.2

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#66

1,1,1,2-Tetrachloroethane

Concen: 3.331 ug/l

RT: 11.58 min Scan# 1639

Delta R.T. -0.01 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

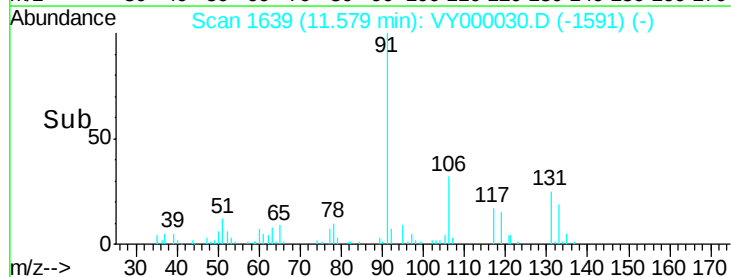
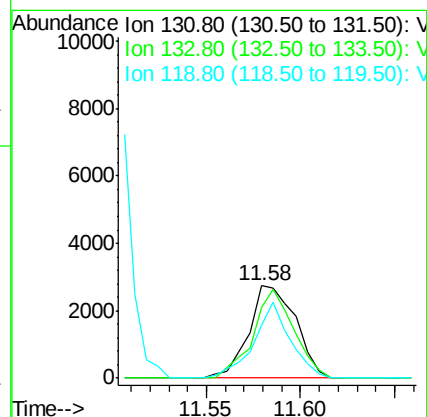
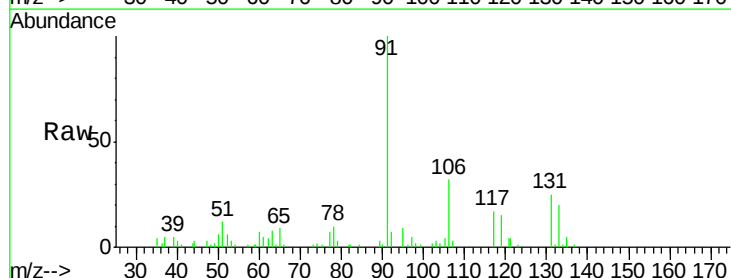
Tgt Ion:131 Resp: 4705

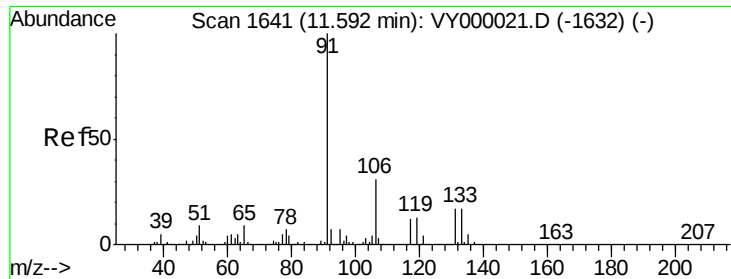
Ion Ratio Lower Upper

131 100

133 83.7 47.2 141.6

119 64.2 35.4 106.3





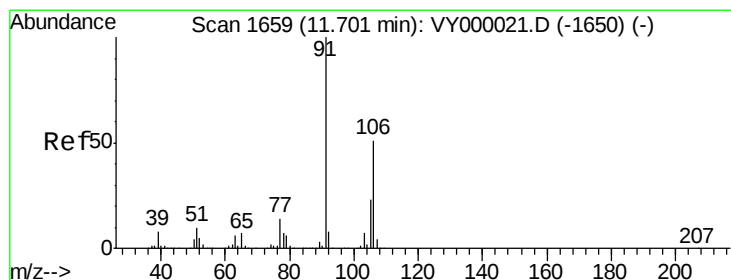
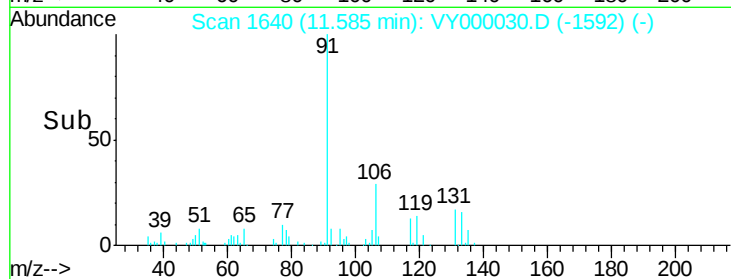
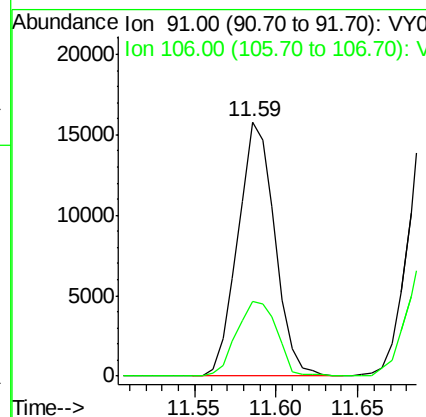
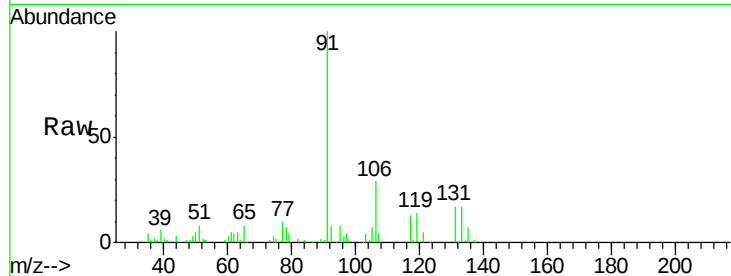
#67
Ethyl Benzene
Concen: 3.358 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion: 91 Resp: 24872
Ion Ratio Lower Upper
91 100
106 29.4 24.6 37.0

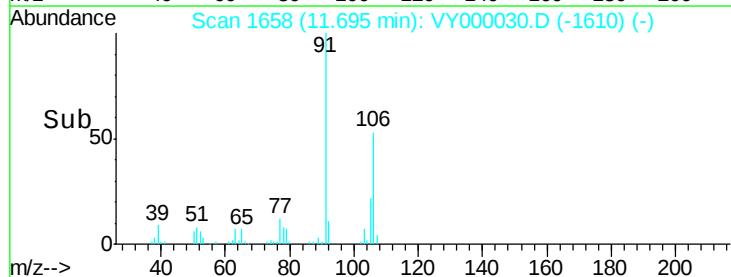
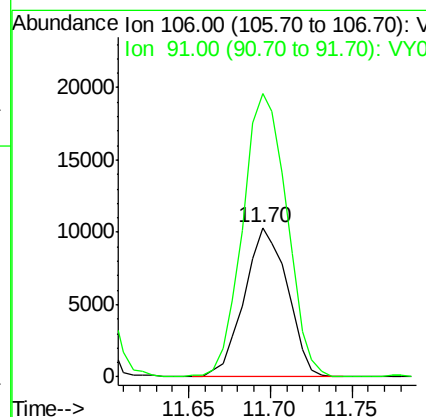
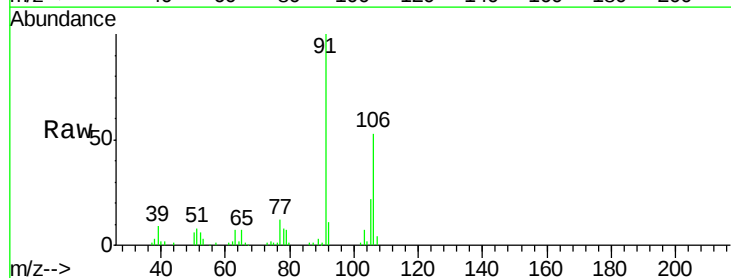
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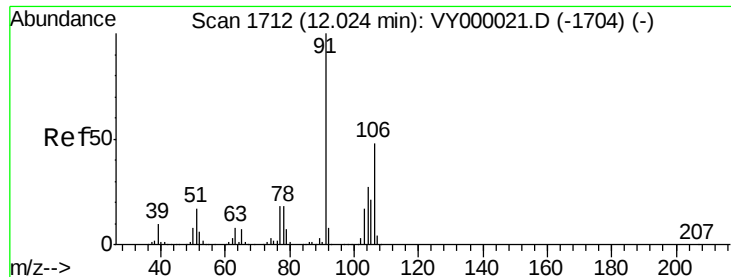
MMDadoda
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#68
m/p-Xylenes
Concen: 6.812 ug/l
RT: 11.70 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 106 Resp: 19037
Ion Ratio Lower Upper
106 100
91 194.3 158.5 237.7





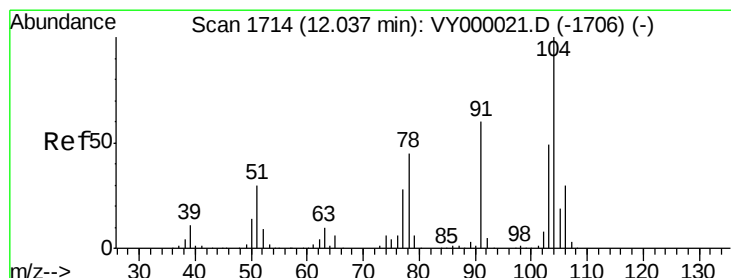
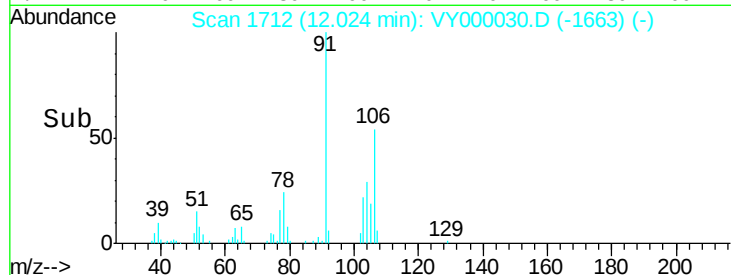
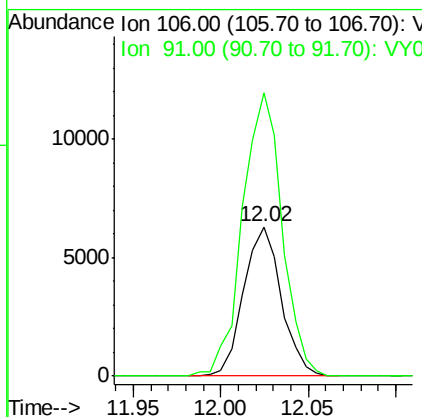
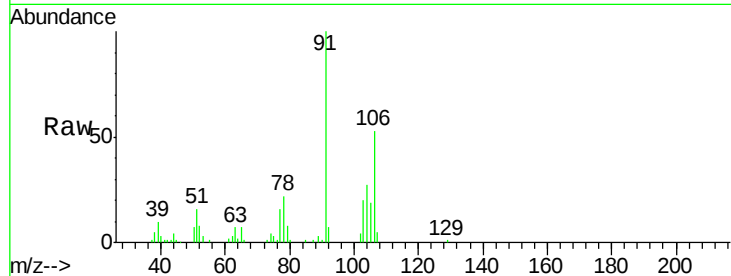
#69
o-Xylene
Concen: 3.442 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
106	100		
91	199.3	104.0	312.0

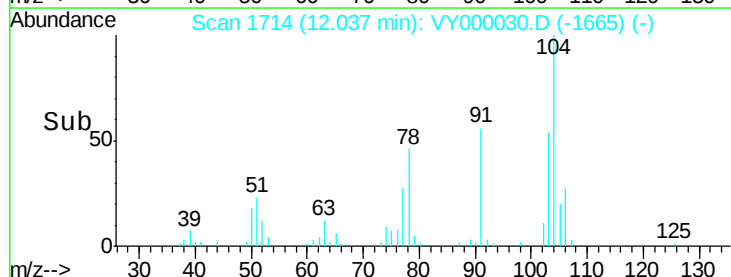
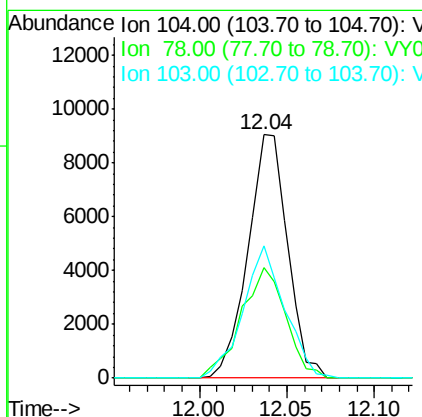
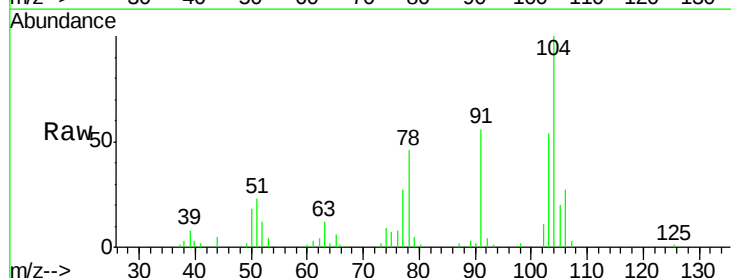
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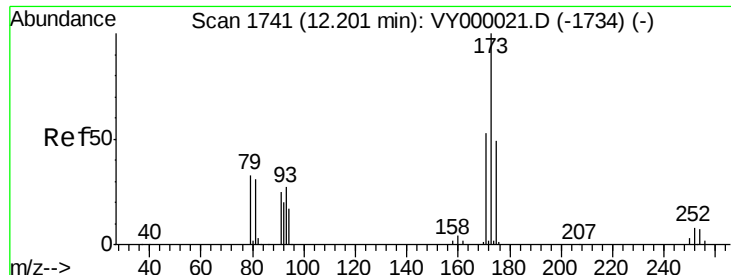
MMDadoda
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#70
Styrene
Concen: 2.991 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.3	38.0	57.0
103	57.2	42.4	63.6





#71

Bromoform

Concen: 2.792 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

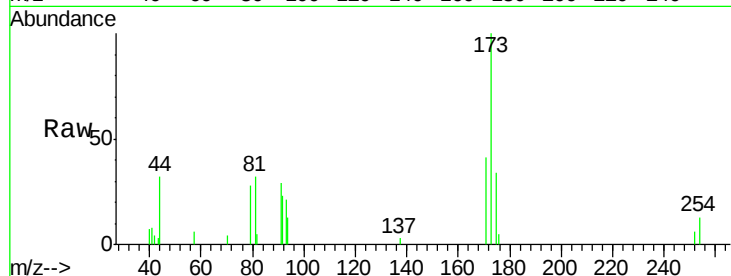
ClientSampleId :

MDL3

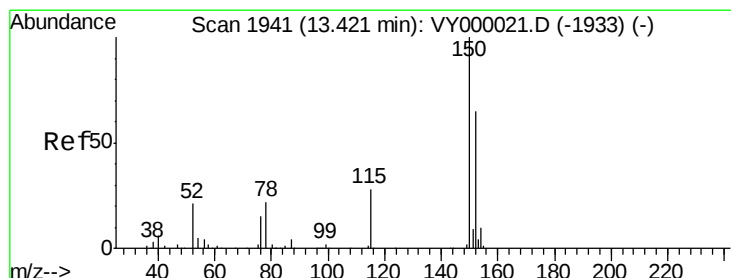
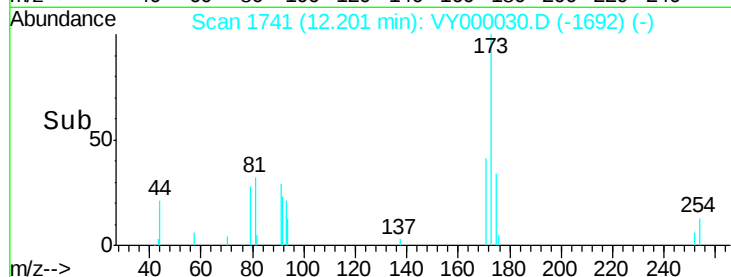
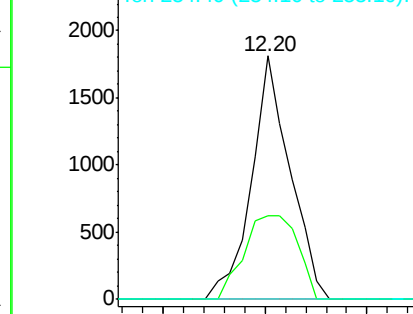
Tot Ion:	173	Resp:	2381
Ion Ratio	Lower	Upper	
173	100		
175	47.6	25.1	75.4
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

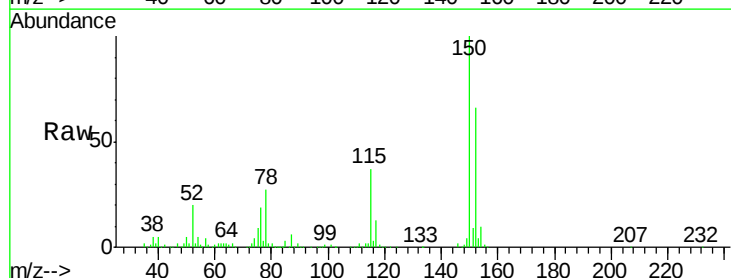
RT: 13.42 min Scan# 1941

Delta R.T. -0.00 min

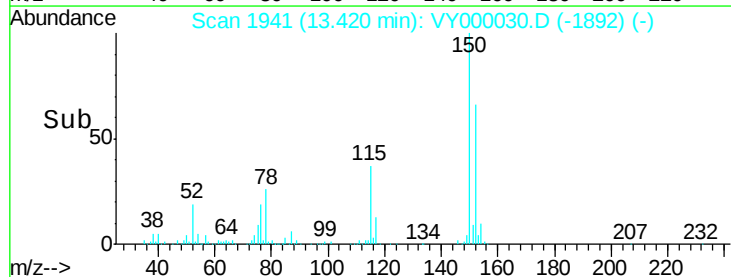
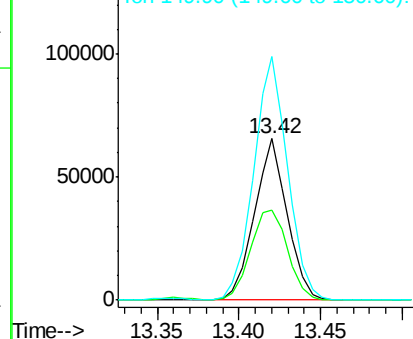
Lab File: VY000030.D

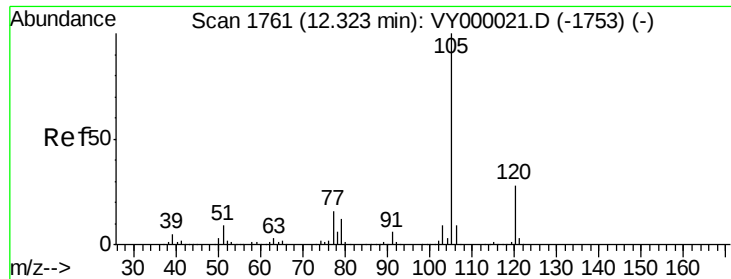
Acq: 12 Sep 2019 17:03

Tgt Ion:	152	Resp:	91280
Ion Ratio	Lower	Upper	
152	100		
115	63.0	29.4	88.2
150	156.6	0.0	349.0



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





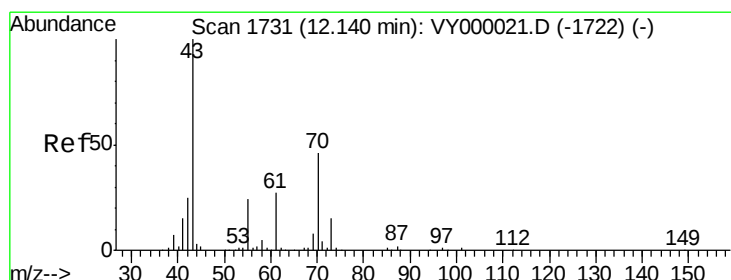
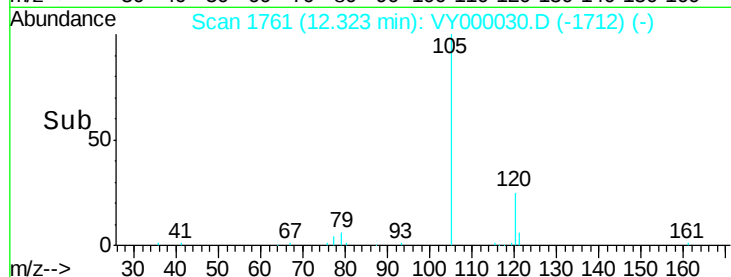
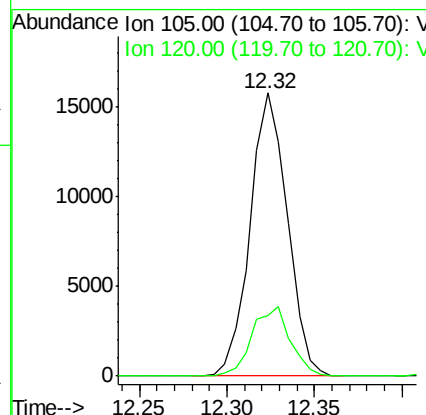
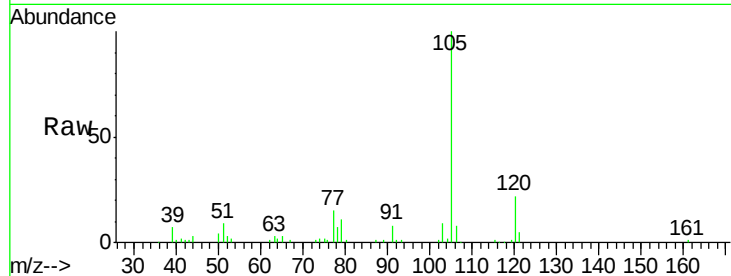
#73
Isopropylbenzene
Concen: 3.347 ug/l
RT: 12.32 min Scan# 1761
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.9	41.6

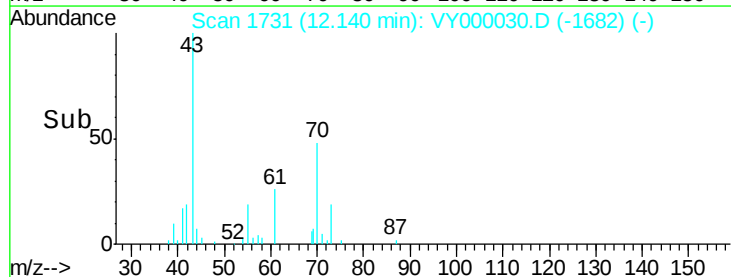
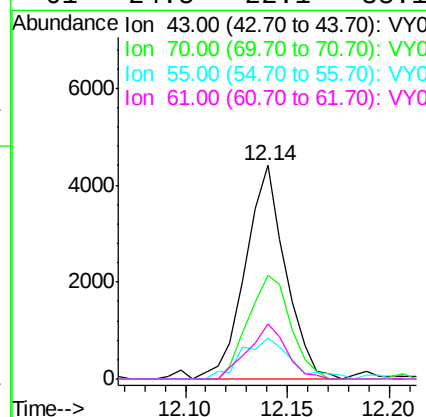
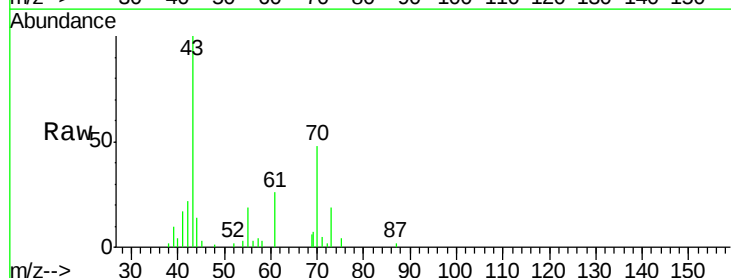
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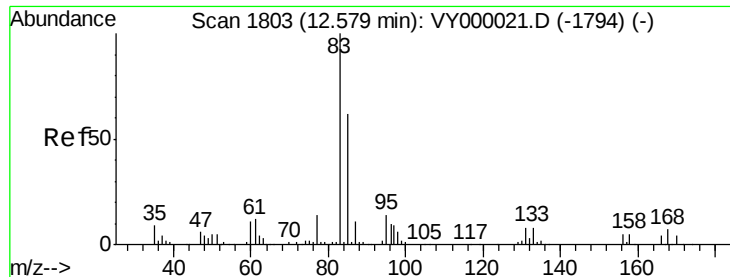
MMDadoda
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#74
N-ethyl acetate
Concen: 2.938 ug/l
RT: 12.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	51.1	38.1	57.1
55	23.4	18.7	28.1
61	24.5	22.1	33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.630 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

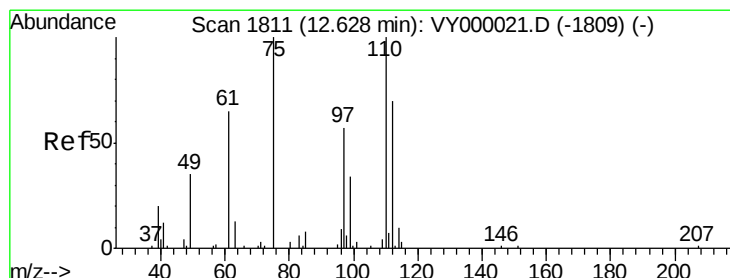
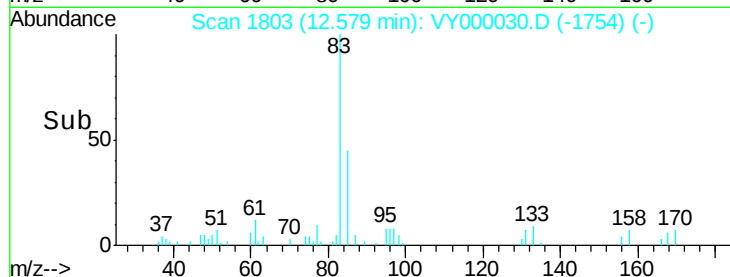
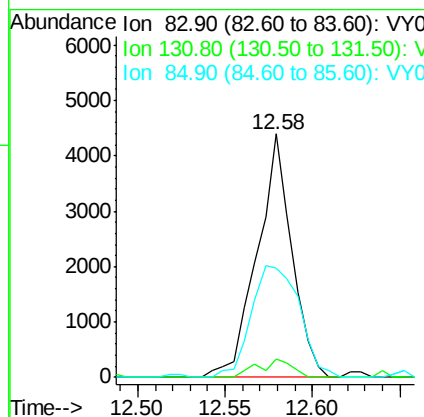
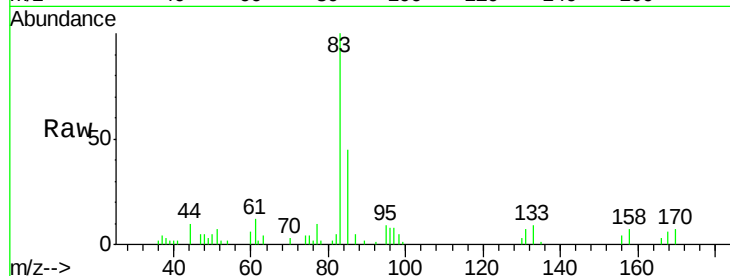
ClientSampleId :

MDL3

Tot Ion	83	Resp	6054
Ion Ratio	100	Lower	Upper
83	100		
131	7.2	4.6	13.8
85	63.9	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.479 ug/l m

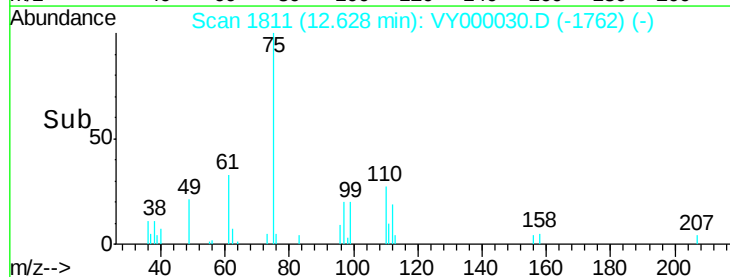
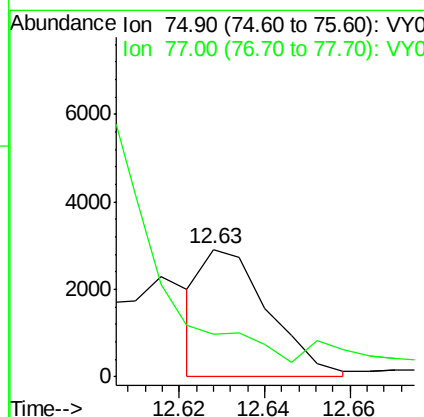
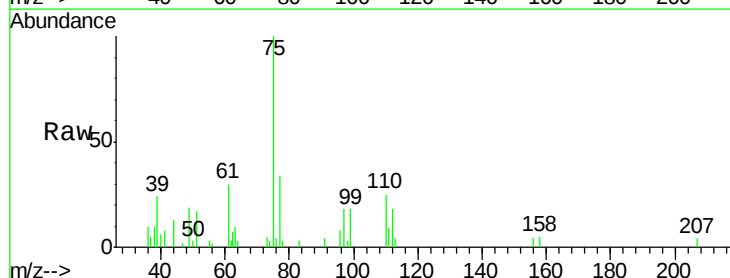
RT: 12.63 min Scan# 1811

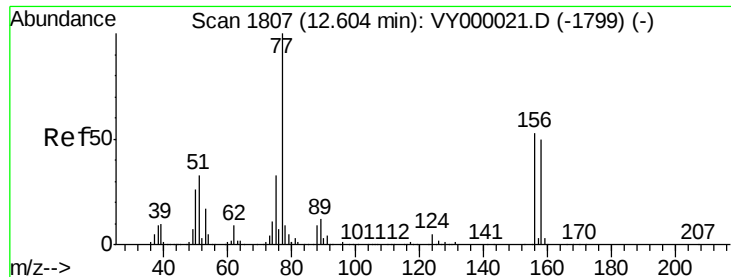
Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion	75	Resp	3143
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 2.946 ug/l

RT: 12.60 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

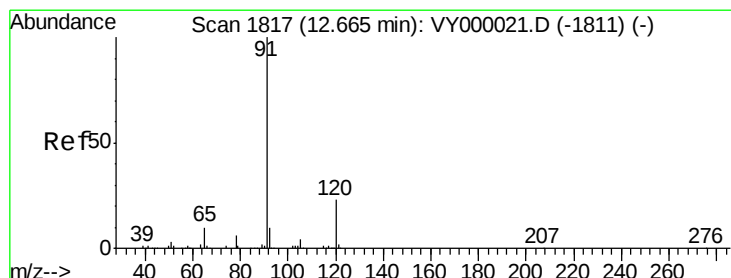
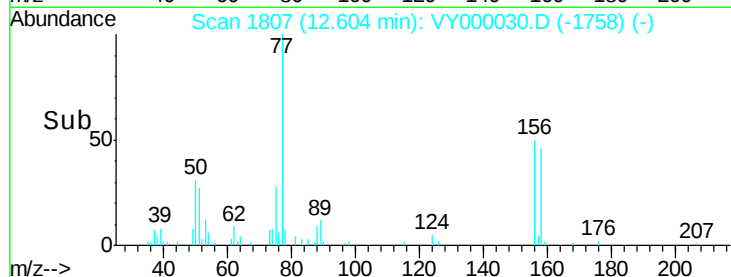
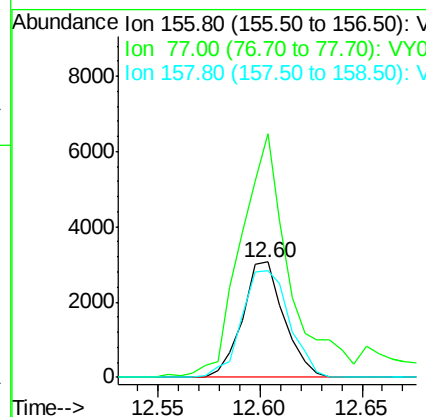
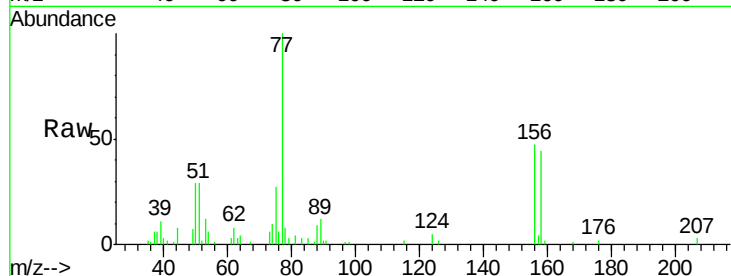
ClientSampleId :

MDL3

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	247.1	106.0	317.9	
158	105.8	47.3	141.9	

Manual Integrations
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#78

n-propylbenzene

Concen: 3.242 ug/l

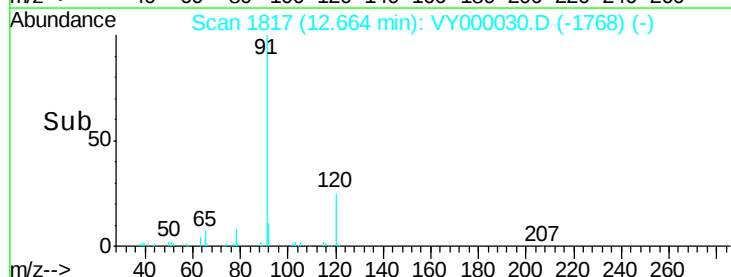
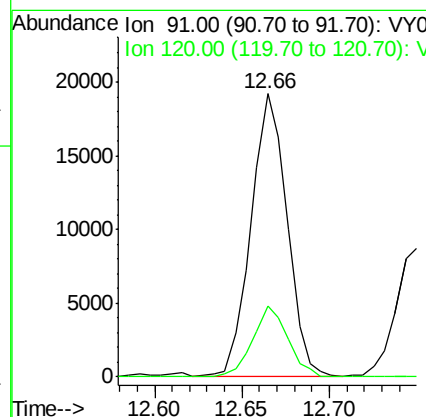
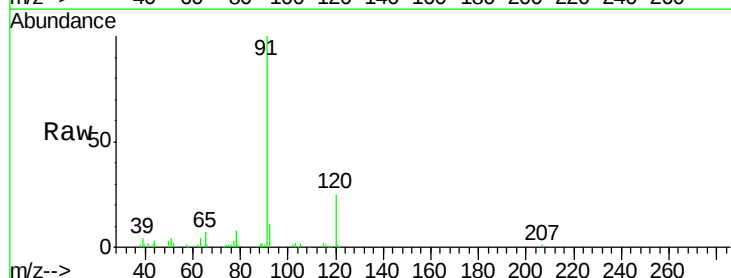
RT: 12.66 min Scan# 1817

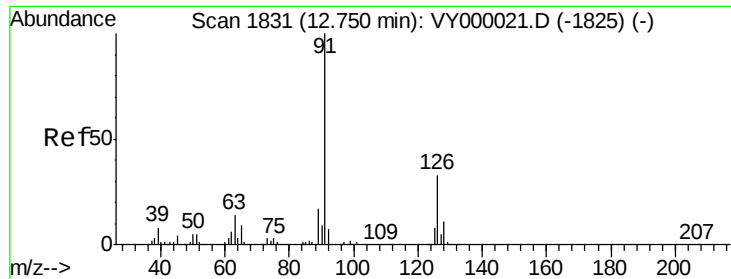
Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.4	11.6	34.7	





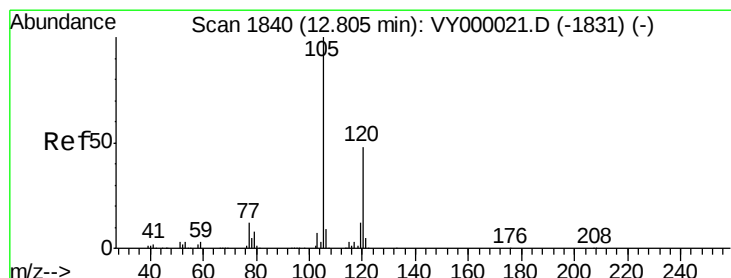
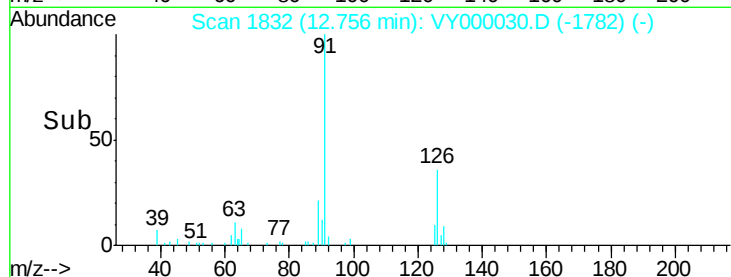
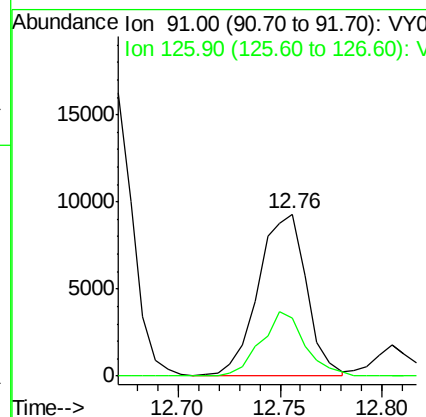
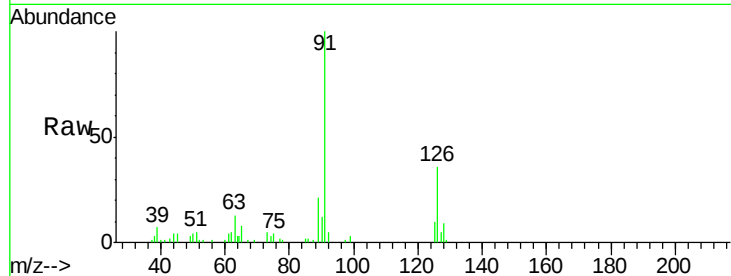
#79
2-Chlorotoluene
Concen: 3.206 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleId :
MDL3

Tot Ion: 91 Resp: 15281
Ion Ratio Lower Upper
91 100
126 36.1 16.9 50.7

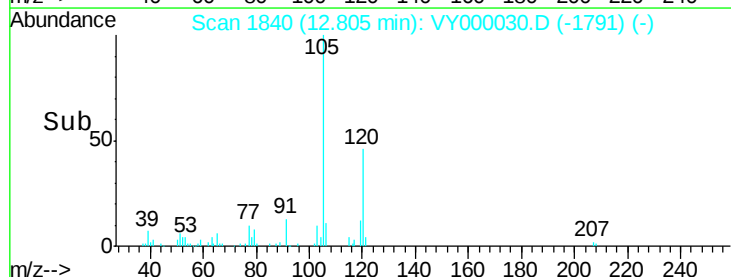
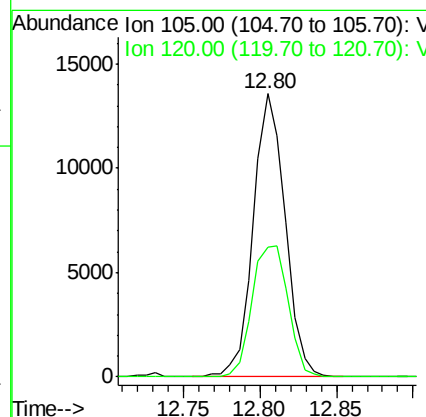
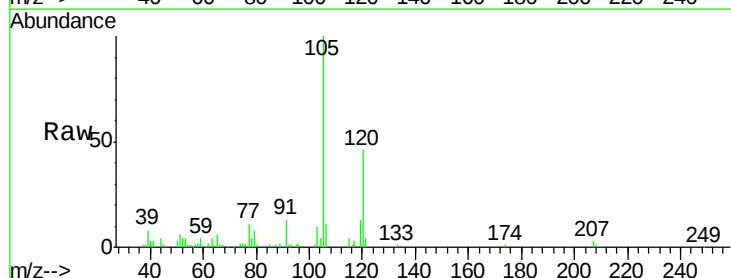
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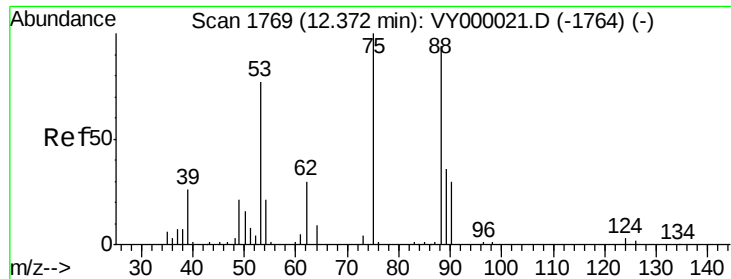
MMDadoda
9/13/2019 11:54:01 PM



#80
1,3,5-Trimethylbenzene
Concen: 3.387 ug/l
RT: 12.80 min Scan# 1840
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion: 105 Resp: 19726
Ion Ratio Lower Upper
105 100
120 52.3 24.3 73.0





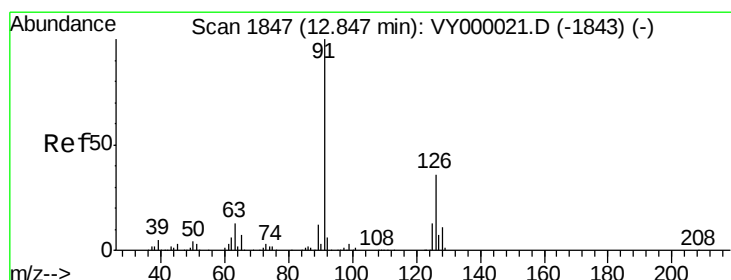
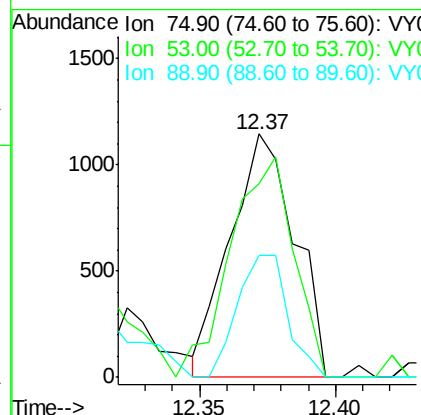
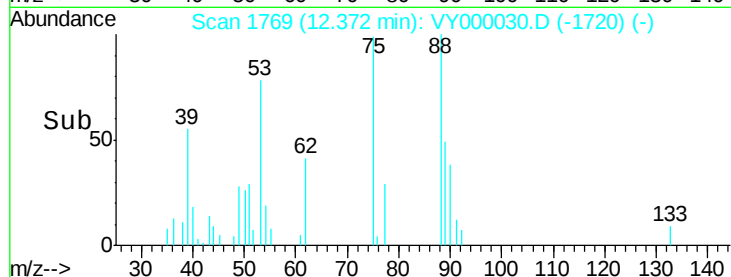
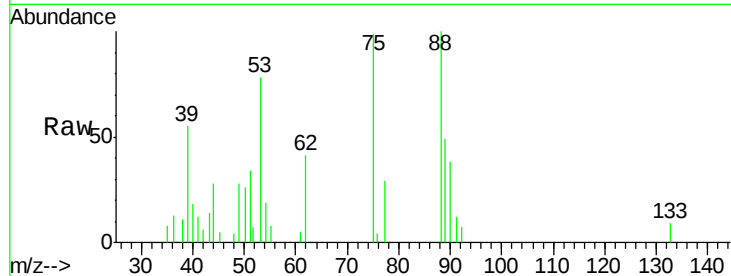
#81
trans-1,4-Dichloro-2-butene
Concen: 2.944 ug/l
RT: 12.37 min Scan# 1769
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampled :
MDL3

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.7	64.2	96.2
89	39.1	35.5	53.3

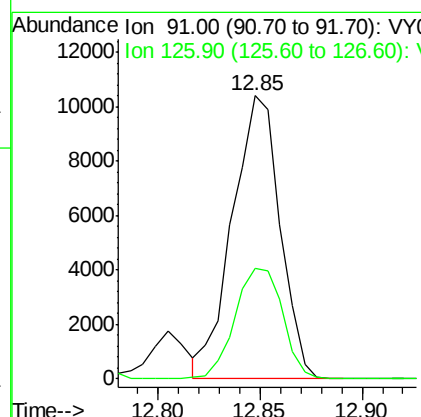
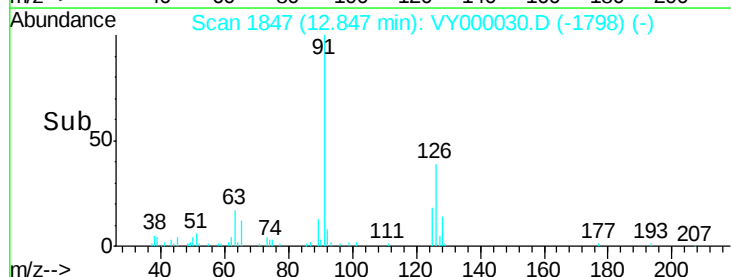
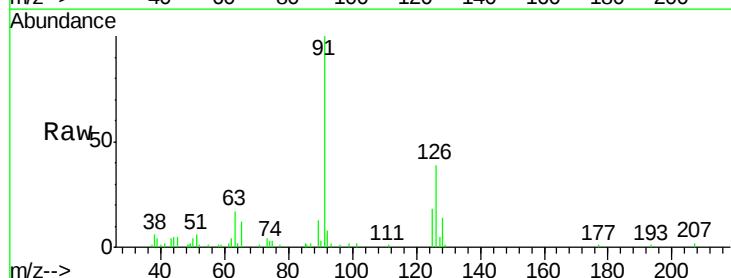
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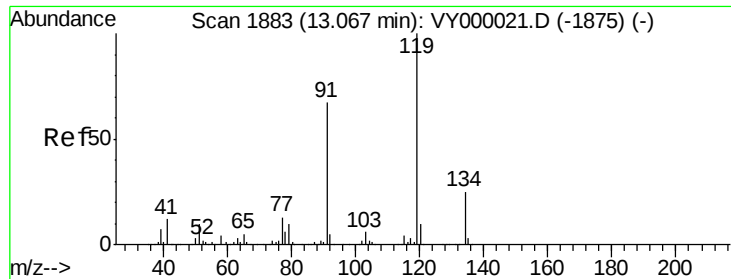
MMDadoda
9/13/2019 11:54:01 PM



#82
4-Chlorotoluene
Concen: 3.371 ug/l
RT: 12.85 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.1	17.2	51.5





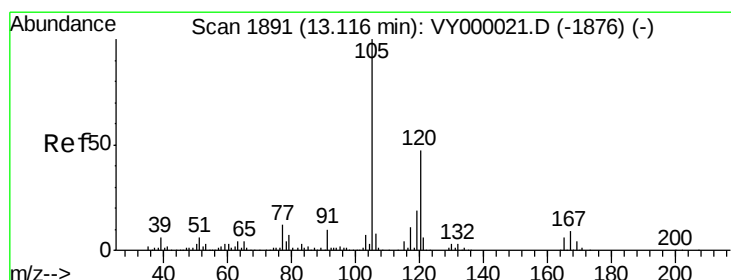
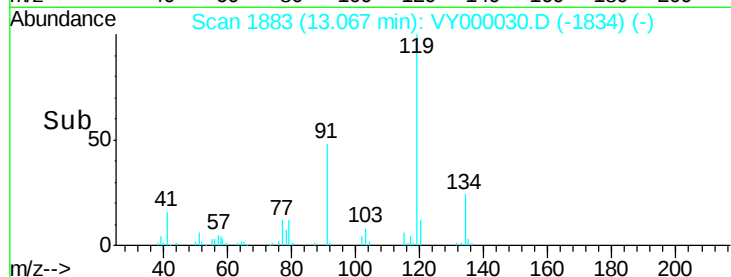
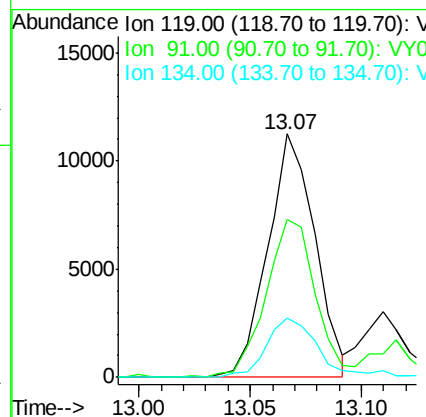
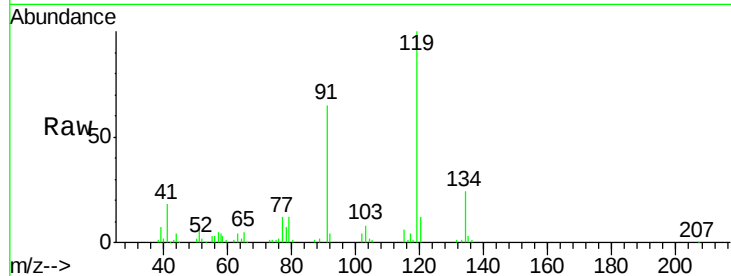
#83
tert-Butylbenzene
Concen: 3.306 ug/l
RT: 13.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
ClientSampleID :
MDL3

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	33.1	99.5
134	27.4	13.5	40.5

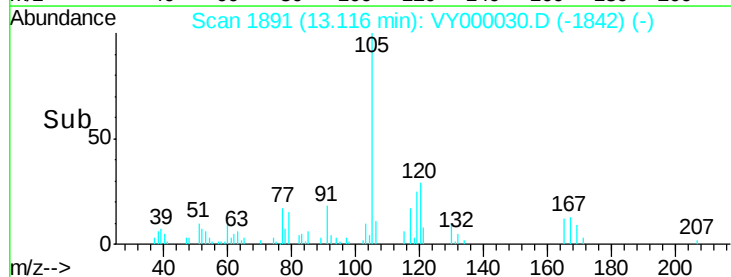
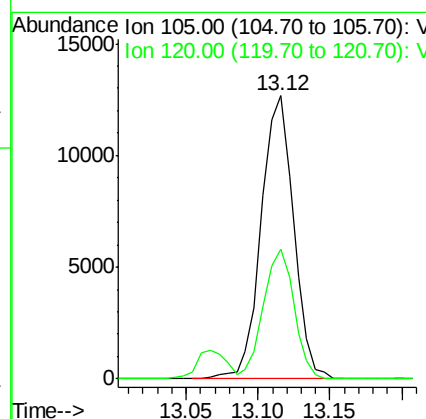
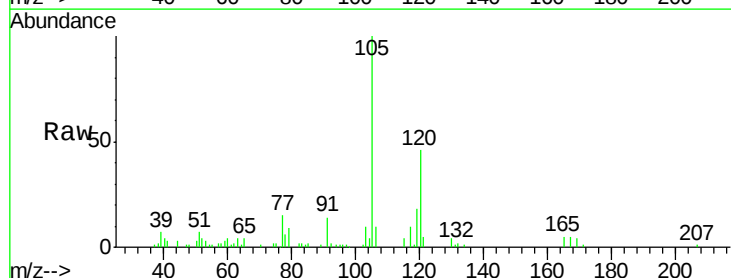
Manual Integrations
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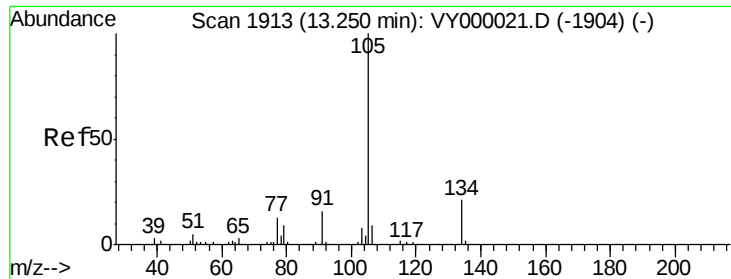
MMDadoda
9/13/2019 11:54:01 PM



#84
1,2,4-Trimethylbenzene
Concen: 3.425 ug/l
RT: 13.12 min Scan# 1891
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.5	23.1	69.3





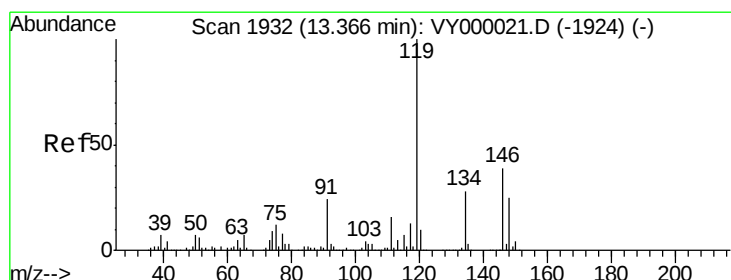
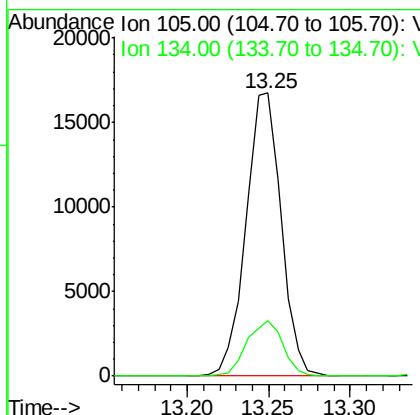
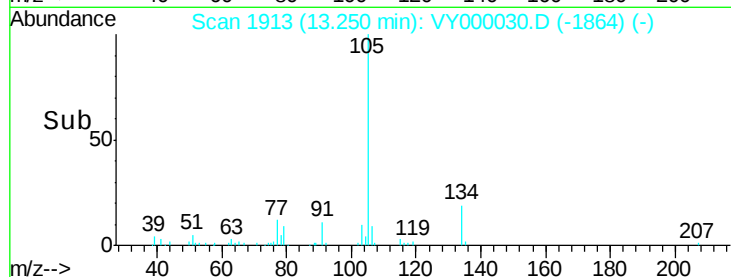
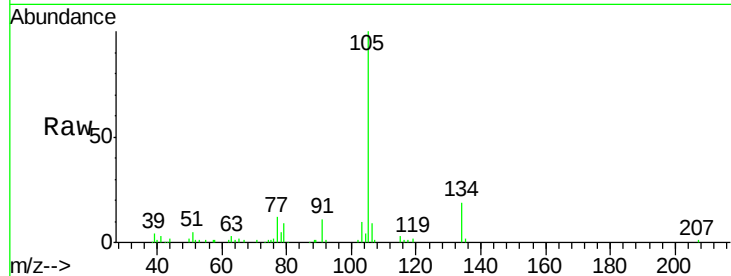
#85
 sec-Butylbenzene
 Concen: 3.425 ug/l
 RT: 13.25 min Scan# 1913
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.1	30.1

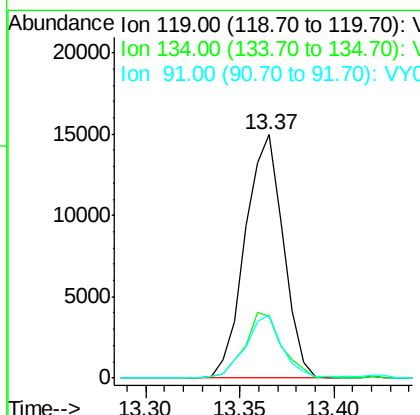
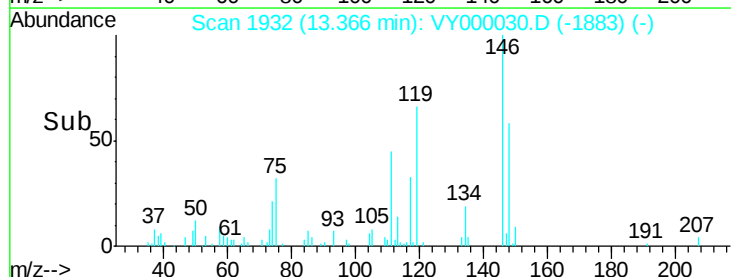
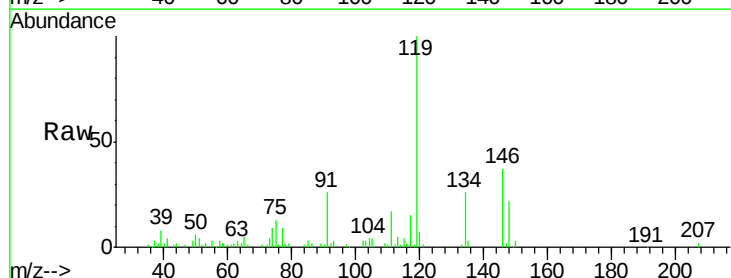
Manual Integrations
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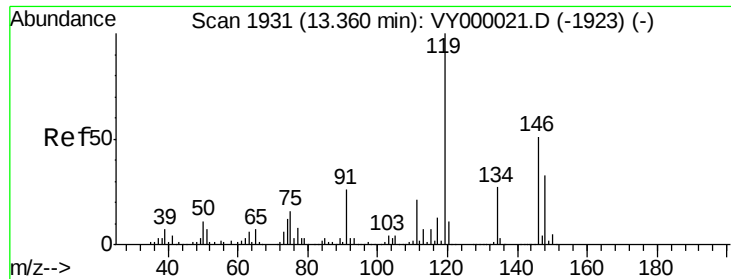
MMDadoda
 9/13/2019 11:54:01 PM



#86
 p-Isopropyltoluene
 Concen: 3.342 ug/l
 RT: 13.37 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.8	41.3
91	24.9	12.4	37.2





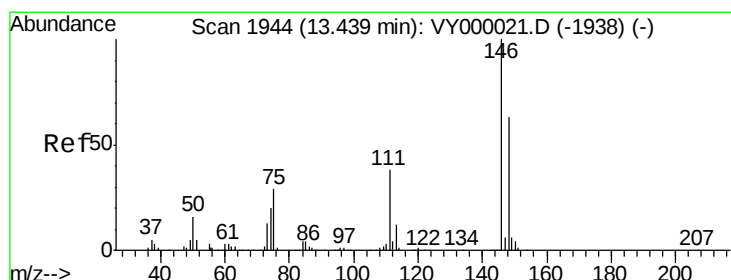
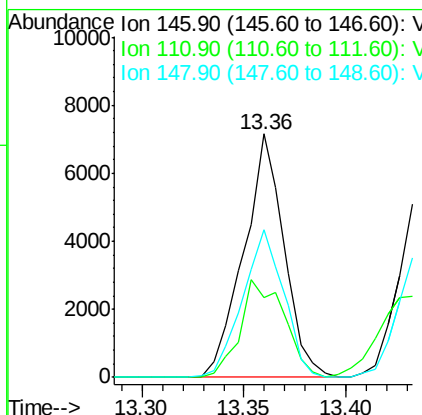
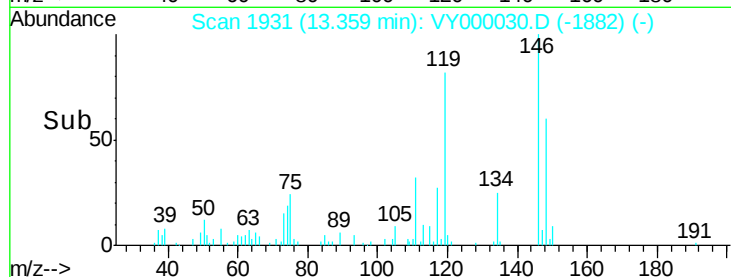
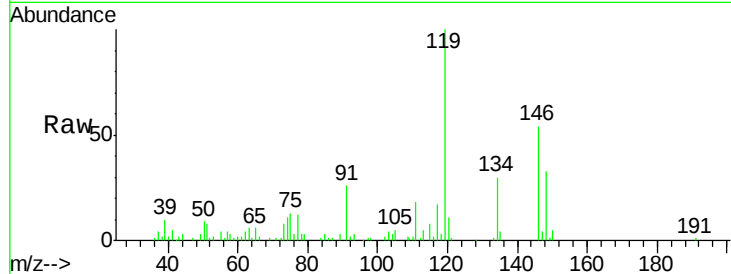
#87
 1,3-Dichlorobenzene
 Concen: 3.316 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL3

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.2	63.6
148	61.6	32.1	96.5

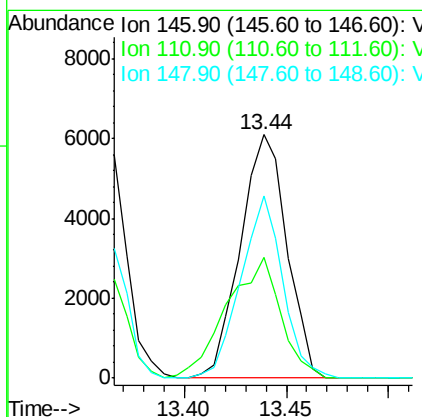
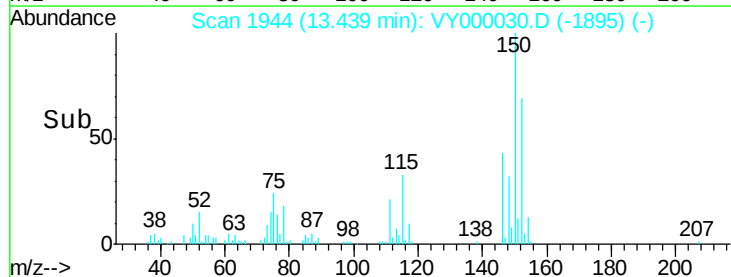
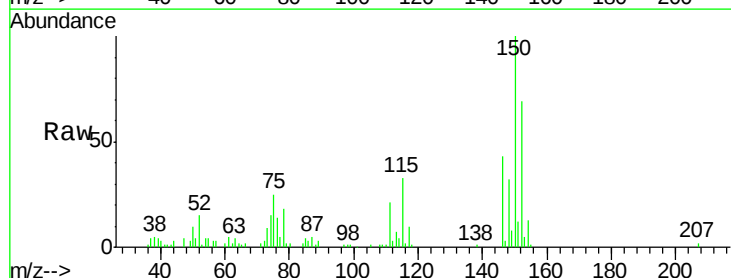
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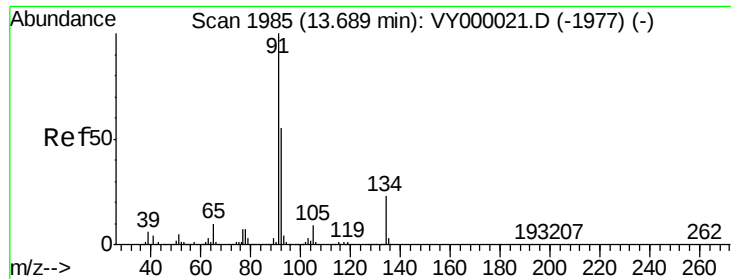
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#88
 1,4-Dichlorobenzene
 Concen: 3.237 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	58.0	20.3	60.9
148	67.3	31.7	95.1





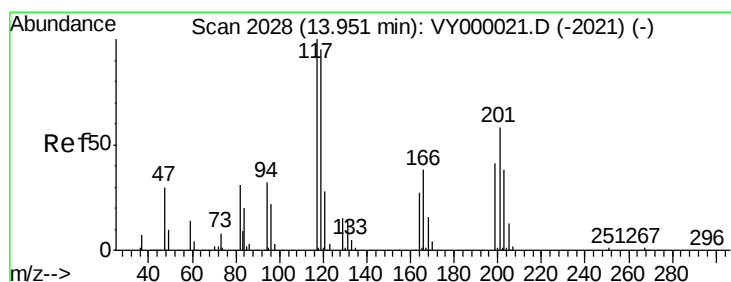
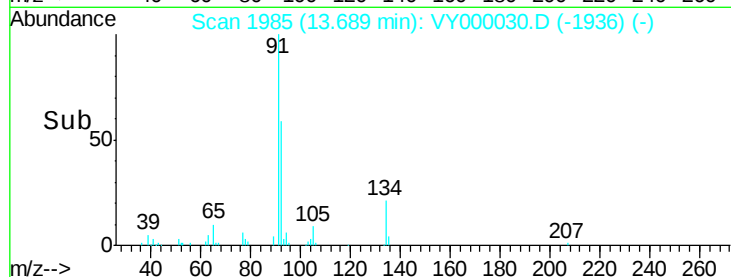
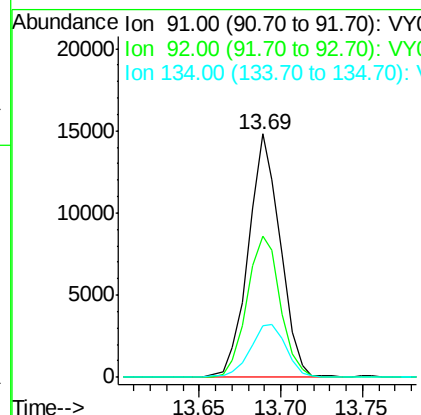
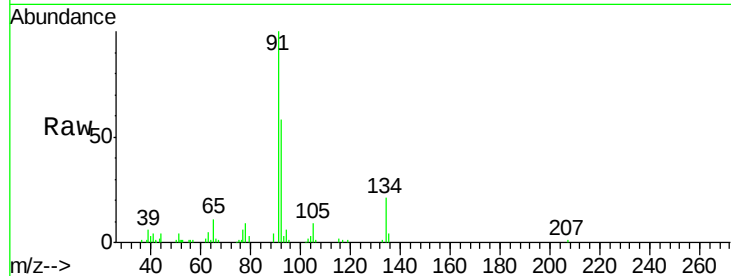
#89
n-Butylbenzene
Concen: 3.190 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Instrument :
MSVOA_Y
Client Sampled :
MDL3

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.5	27.2	81.6
134	24.4	12.6	37.6

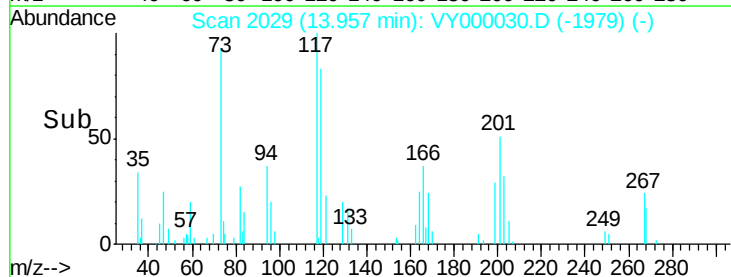
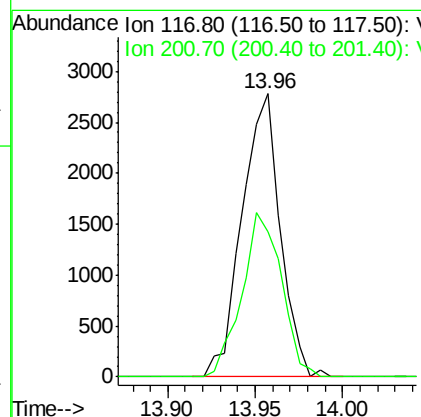
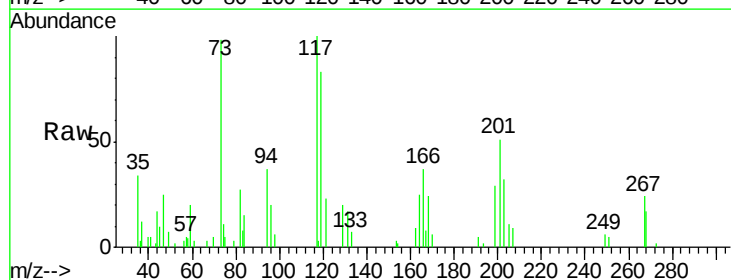
Manual Integrations
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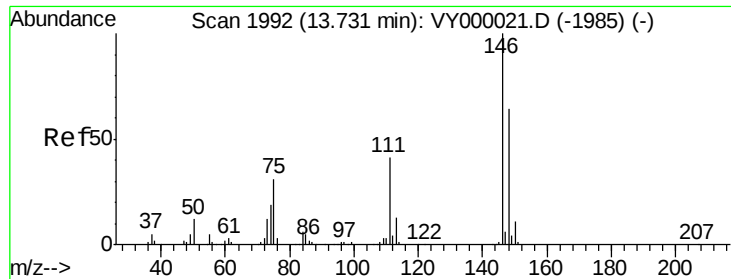
MMDadoda
9/13/2019 11:54:01 PM



#90
Hexachloroethane
Concen: 3.373 ug/l
RT: 13.96 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VY000030.D
Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	60.3	31.4	94.0





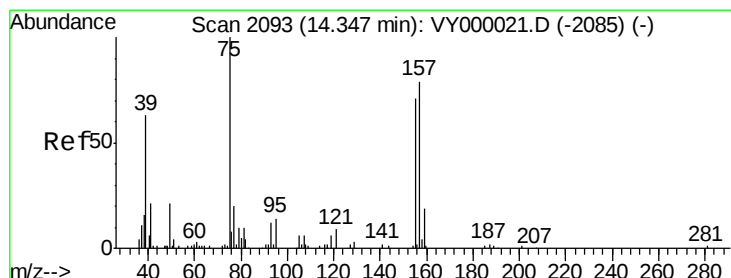
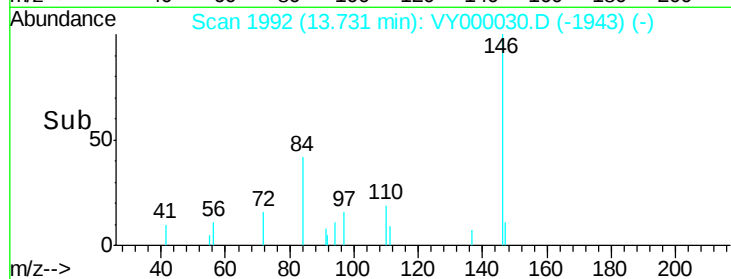
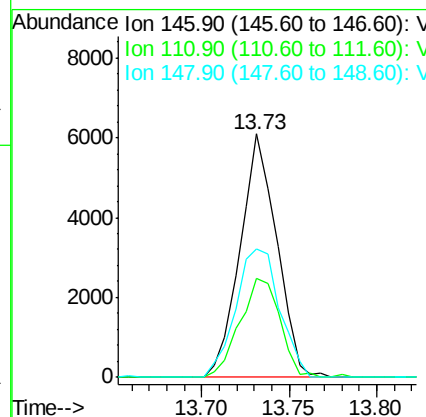
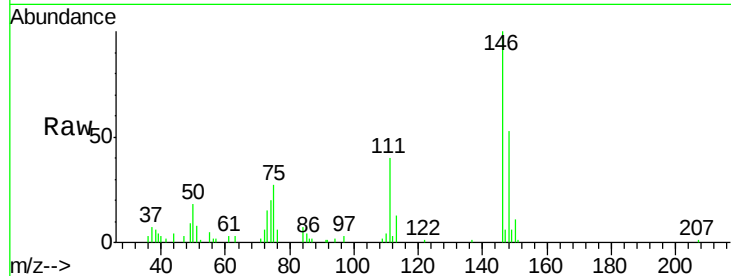
#91
 1,2-Dichlorobenzene
 Concen: 3.219 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.0	63.0
148	63.2	31.6	95.0

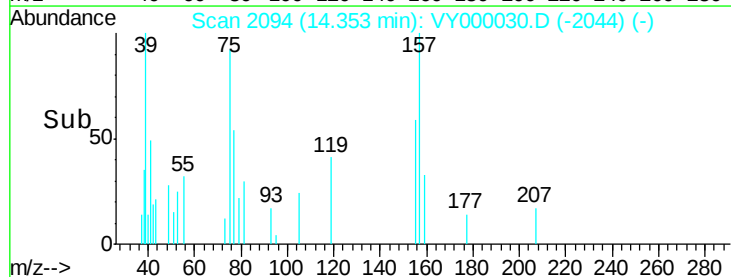
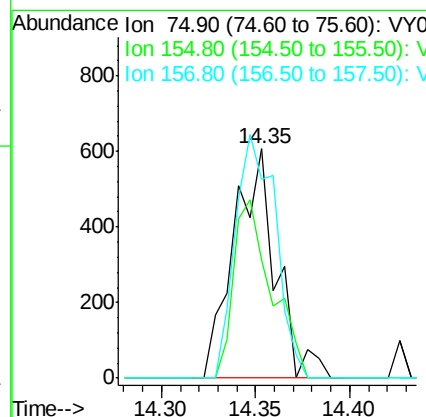
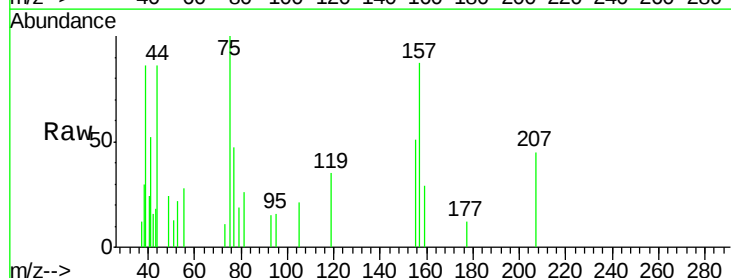
Manual Integrations
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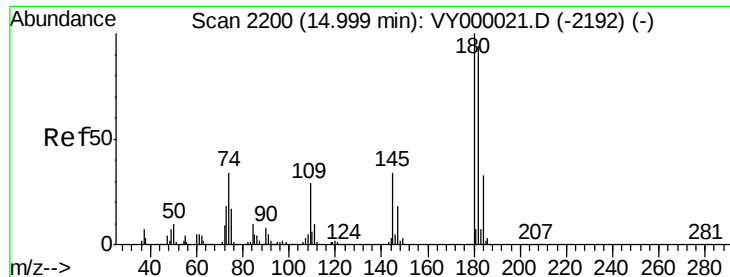
MMDadoda
 9/13/2019 11:54:01 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.914 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	41.8	125.3
157	100.7	51.3	153.9





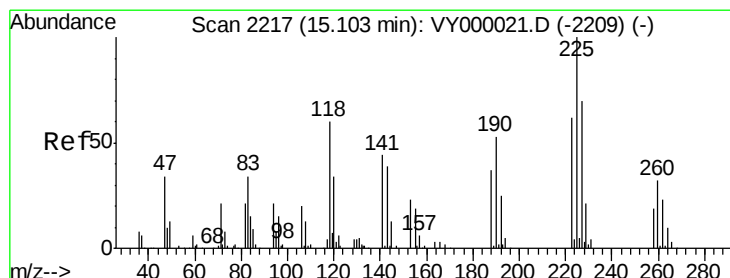
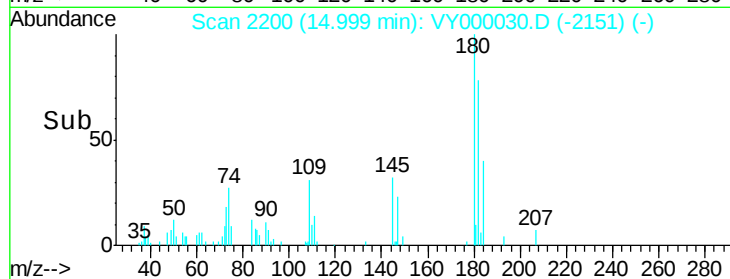
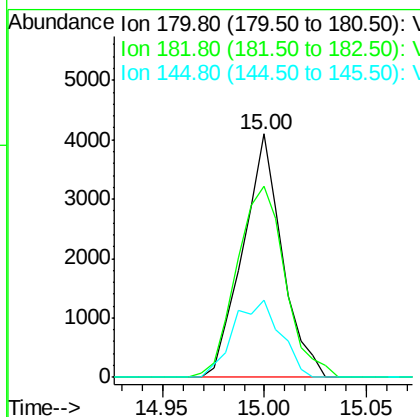
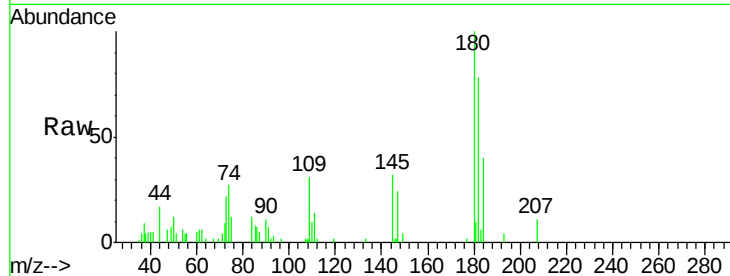
#93
 1,2,4-Trichlorobenzene
 Concen: 3.122 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL3

Tot Ion	Ratio	Resp	Lower	Upper
180	100	5505		
182	96.0	47.0	141.0	
145	37.7	16.7	50.1	

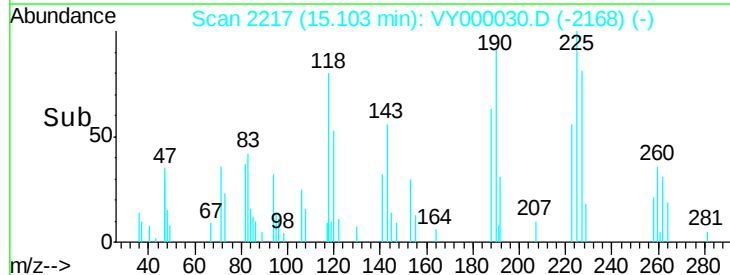
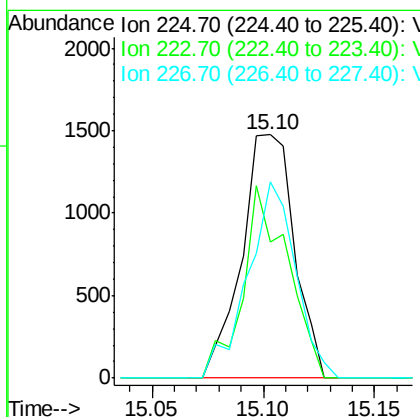
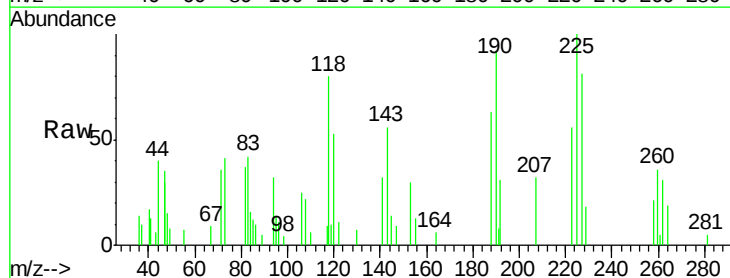
Manual Integrations
 APPROVED

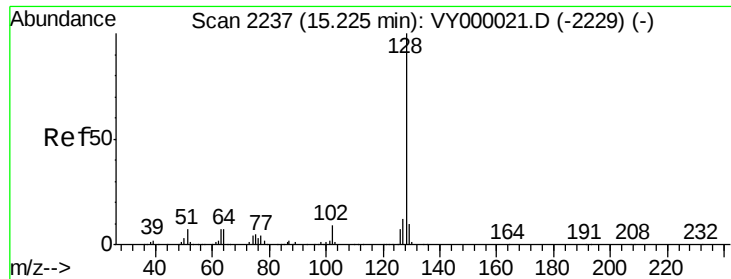
MMDadoda
 9/13/2019 11:54:01 PM



#94
 Hexachlorobutadiene
 Concen: 3.010 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000030.D
 Acq: 12 Sep 2019 17:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2434		
223	67.5	30.9	92.7	
227	73.1	31.0	93.0	





#95

Naphthalene

Concen: 3.016 ug/l

RT: 15.23 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Instrument :

MSVOA_Y

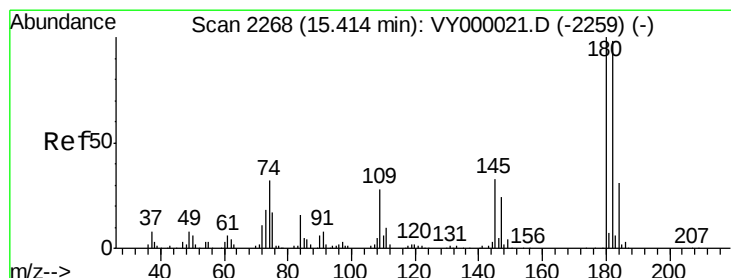
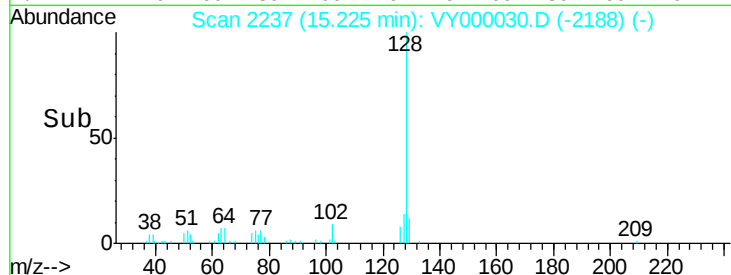
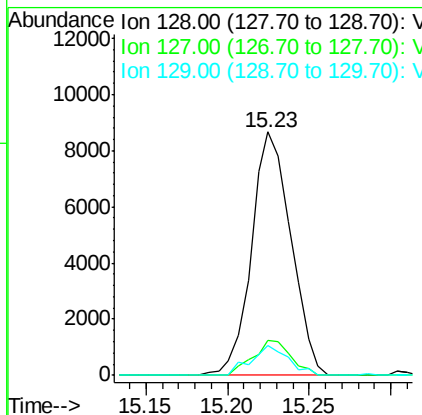
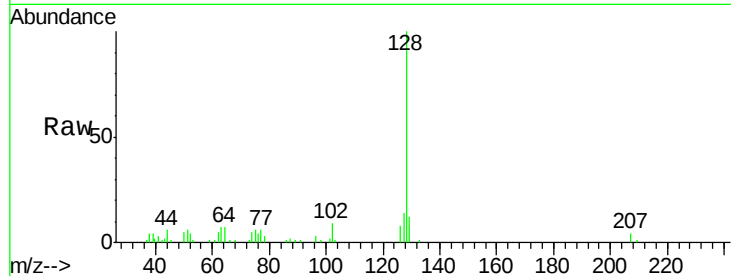
ClientSampleId :

MDL3

Tot Ion:	128	Resp:	14548
Ion Ratio	Lower	Upper	
128	100		
127	13.7	9.8	14.8
129	11.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:54:01 PM



#96

1,2,3-Trichlorobenzene

Concen: 3.549 ug/l

RT: 15.41 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VY000030.D

Acq: 12 Sep 2019 17:03

Tgt Ion:	180	Resp:	5618
Ion Ratio	Lower	Upper	
180	100		
182	91.3	46.8	140.4
145	40.4	17.3	51.7

