

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY091219\
 Data File : VY000029.D
 Acq On : 12 Sep 2019 16:39
 Operator : SY/MD
 Sample : MDL2
 Misc : 5.00µl/5.00ml/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:53:59 PM

Quant Time: Sep 19 12:03:05 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	131661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	252858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	213030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	90978	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	71359	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.71	113	70122	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.18	98	304086	52.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.48	95	103151	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.90	85	4087	4.209	ug/l	83
3) Chloromethane	2.11	50	6747	4.018	ug/l	89
4) Vinyl Chloride	2.24	62	5090	3.457	ug/l	95
5) Bromomethane	2.64	94	4778	5.106	ug/l	92
6) Chloroethane	2.79	64	3934	4.014	ug/l #	88
7) Trichlorofluoromethane	3.11	101	7849	4.103	ug/l	92
8) Diethyl Ether	3.52	74	2480	3.154	ug/l	77
9) 1,1,2-Trichlorotrifluoroet	3.88	101	4442m	3.412	ug/l	
10) Methyl Iodide	4.08	142	3148	2.211	ug/l #	90
11) Tert butyl alcohol	4.96	59	3701	20.526	ug/l #	82
12) 1,1-Dichloroethene	3.86	96	4263	3.513	ug/l	90
13) Acrolein	3.73	56	2545	18.814	ug/l	86
14) Allyl chloride	4.47	41	6297	3.343	ug/l	98
15) Acrylonitrile	5.15	53	8595	17.230	ug/l	97
16) Acetone	3.95	43	7238	18.405	ug/l #	79
17) Carbon Disulfide	4.18	76	10646	4.357	ug/l	99
18) Methyl Acetate	4.47	43	4691	4.239	ug/l #	80
19) Methyl tert-butyl Ether	5.21	73	12187	3.316	ug/l	94
20) Methylene Chloride	4.70	84	8573	5.469	ug/l	89
21) trans-1,2-Dichloroethene	5.20	96	5031	3.745	ug/l	87
22) Diisopropyl ether	6.12	45	13836	3.327	ug/l #	92
23) Vinyl Acetate	6.05	43	45808	15.922	ug/l	95
24) 1,1-Dichloroethane	6.01	63	8927	3.622	ug/l	96
25) 2-Butanone	6.99	43	11893	18.606	ug/l	92
26) 2,2-Dichloropropane	6.99	77	10197	4.454	ug/l #	51
27) cis-1,2-Dichloroethene	6.99	96	5872	3.464	ug/l	82
28) Bromochloromethane	7.32	49	3785	3.344	ug/l #	93
29) Tetrahydrofuran	7.36	42	6290	16.543	ug/l	98
30) Chloroform	7.50	83	9650	3.797	ug/l #	81
31) Cyclohexane	7.78	56	10452	5.089	ug/l #	53
32) 1,1,1-Trichloroethane	7.70	97	6730	3.228	ug/l	93
36) 1,1-Dichloropropene	7.91	75	7025	3.784	ug/l	100
37) Ethyl Acetate	7.08	43	5227	4.175	ug/l #	93
38) Carbon Tetrachloride	7.89	117	5690	3.247	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.18	83	9015	3.930	ug/l	95
40) Benzene	8.15	78	20834	3.447	ug/l	96
41) Methacrylonitrile	7.31	41	2147	2.948	ug/l #	85
42) 1,2-Dichloroethane	8.23	62	5520	3.574	ug/l	91
43) Isopropyl Acetate	8.27	43	8099	3.338	ug/l	94
44) Trichloroethene	8.93	130	5155	3.416	ug/l	96
45) 1,2-Dichloropropane	9.21	63	5266	3.379	ug/l	98
46) Dibromomethane	9.30	93	2672	3.089	ug/l	94
47) Bromodichloromethane	9.49	83	6835	3.310	ug/l #	85
48) Methyl methacrylate	9.29	41	3605	3.368	ug/l	95
49) 1,4-Dioxane	9.29	88	944	52.113	ug/l	91
51) 4-Methyl-2-Pentanone	10.07	43	20643	15.186	ug/l	98
52) Toluene	10.24	92	12692	3.342	ug/l	98
53) t-1,3-Dichloropropene	10.46	75	7016	3.232	ug/l	94
54) cis-1,3-Dichloropropene	9.92	75	8135	3.220	ug/l	93
55) 1,1,2-Trichloroethane	10.65	97	4384	3.198	ug/l	90
56) Ethyl methacrylate	10.51	69	6167	3.206	ug/l	91
57) 1,3-Dichloropropane	10.78	76	7091	3.235	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	18668	17.716	ug/l	100
59) 2-Hexanone	10.83	43	14521	14.823	ug/l	98
60) Dibromochloromethane	10.98	129	4331	2.999	ug/l	95
61) 1,2-Dibromoethane	11.09	107	4216	3.482	ug/l	87
64) Tetrachloroethene	10.72	164	5244	4.014	ug/l	85
65) Chlorobenzene	11.51	112	13829	3.407	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.59	131	4491	3.193	ug/l	94
67) Ethyl Benzene	11.59	91	25750	3.492	ug/l	92
68) m/p-Xylenes	11.70	106	19235	6.912	ug/l	96
69) o-Xylene	12.02	106	10069	3.692	ug/l	84
70) Styrene	12.04	104	15227	3.209	ug/l	98
71) Bromoform	12.20	173	2465	2.903	ug/l #	92
73) Isopropylbenzene	12.32	105	22723	3.269	ug/l	95
74) N-amyl acetate	12.13	43	5786	2.820	ug/l #	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	4904	2.951	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	4361m	3.451	ug/l	
77) Bromobenzene	12.60	156	5255	3.574	ug/l	96
78) n-propylbenzene	12.66	91	28313	3.333	ug/l	100
79) 2-Chlorotoluene	12.75	91	16199	3.410	ug/l	100
80) 1,3,5-Trimethylbenzene	12.80	105	19294	3.324	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.38	75	2048	3.215	ug/l	95
82) 4-Chlorotoluene	12.85	91	17131	3.436	ug/l	97
83) tert-Butylbenzene	13.07	119	16819	3.372	ug/l	97
84) 1,2,4-Trimethylbenzene	13.12	105	19149	3.340	ug/l	99
85) sec-Butylbenzene	13.25	105	24650	3.349	ug/l	98
86) p-Isopropyltoluene	13.37	119	20564	3.294	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	10552	3.566	ug/l	94
88) 1,4-Dichlorobenzene	13.44	146	10485	3.521	ug/l	90
89) n-Butylbenzene	13.69	91	20841	3.294	ug/l	99
90) Hexachloroethane	13.95	117	4225	3.386	ug/l	82
91) 1,2-Dichlorobenzene	13.73	146	8523	3.095	ug/l	91
92) 1,2-Dibromo-3-Chloropropan	14.35	75	1132	3.503	ug/l	81

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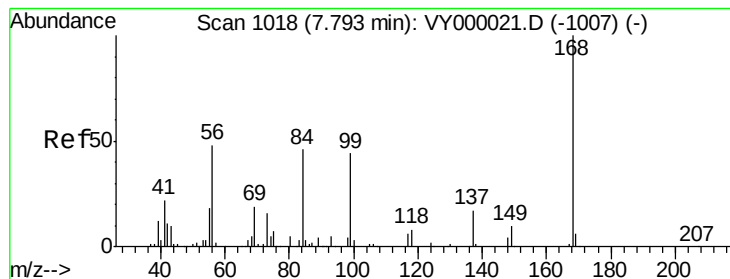
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	5495	3.127	ug/l	98
94) Hexachlorobutadiene	15.10	225	2814	3.491	ug/l	95
95) Naphthalene	15.22	128	14448	3.005	ug/l	96
96) 1,2,3-Trichlorobenzene	15.42	180	5425	3.439	ug/l	94

(#) = 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: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion:168 Resp: 131661

Ion Ratio Lower Upper

168 100

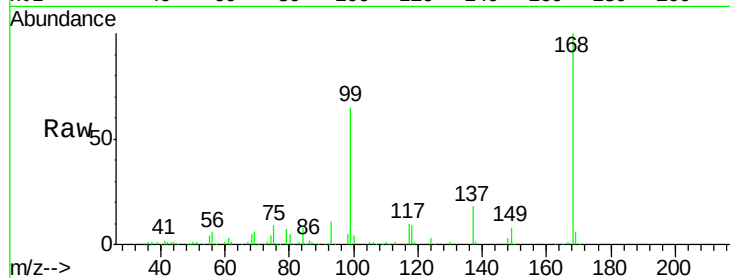
99 64.9 46.3 69.5

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

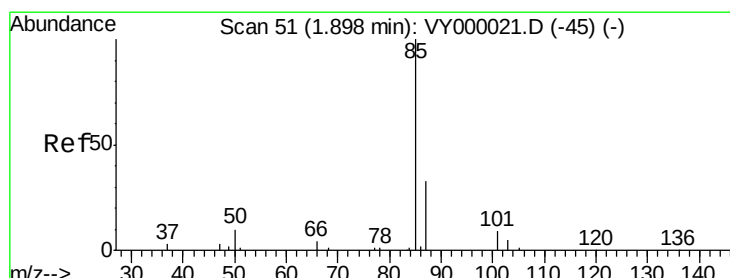
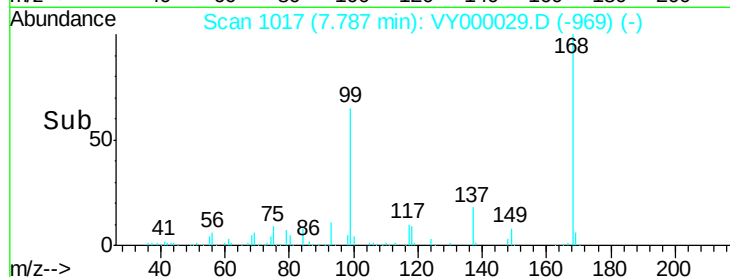
20000

10000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.209 ug/l

RT: 1.90 min Scan# 51

Delta R.T. -0.00 min

Lab File: VY000029.D

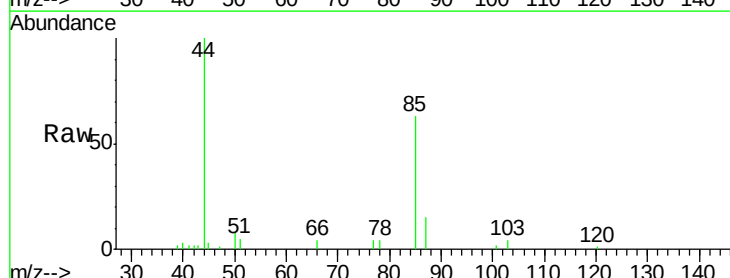
Acq: 12 Sep 2019 16:39

Tgt Ion: 85 Resp: 4087

Ion Ratio Lower Upper

85 100

87 23.6 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

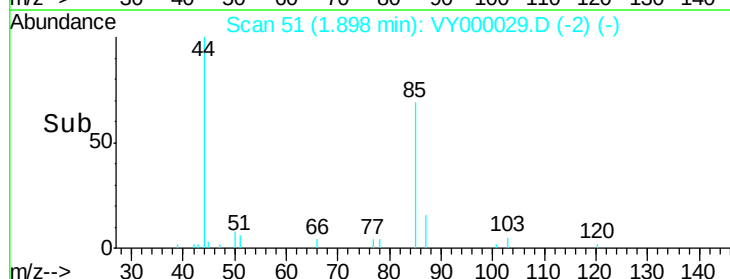
1000

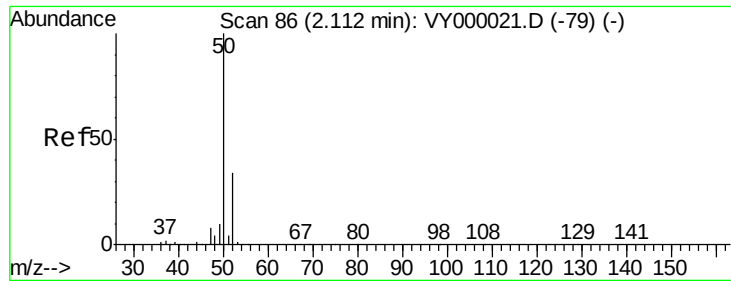
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 4.018 ug/l

RT: 2.11 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 50 Resp: 6747

Ion Ratio Lower Upper

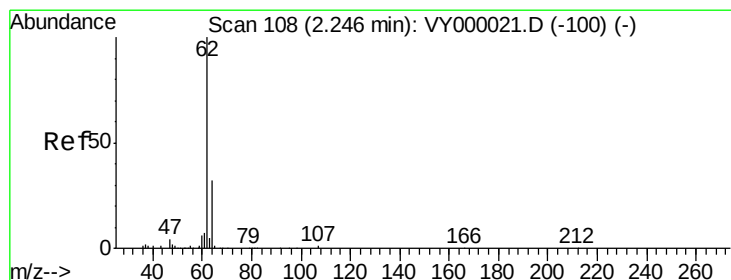
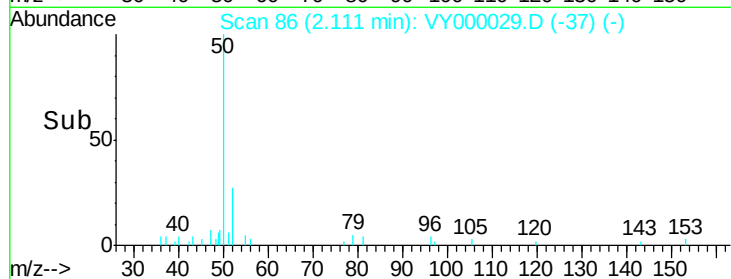
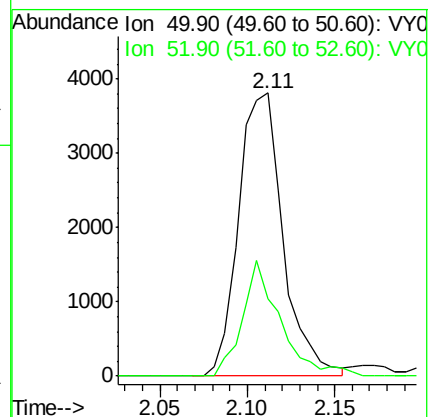
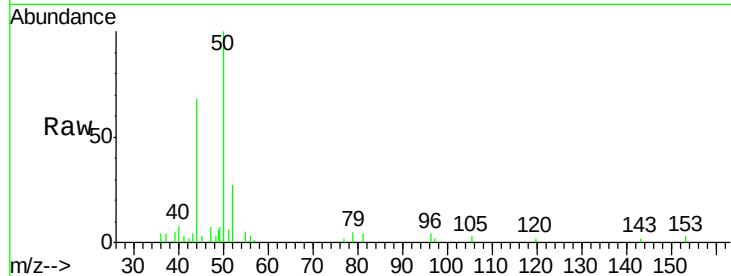
50 100

52 27.3 27.0 40.6

Manual Integrations
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#4

Vinyl Chloride

Concen: 3.457 ug/l

RT: 2.24 min Scan# 107

Delta R.T. -0.01 min

Lab File: VY000029.D

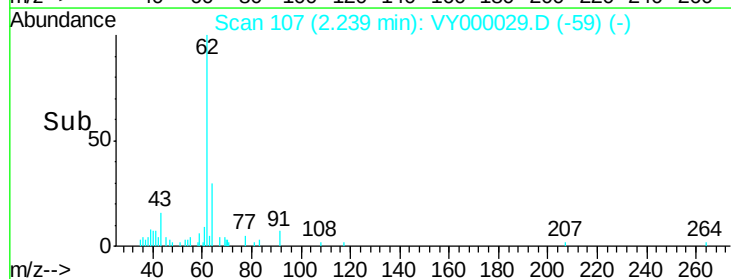
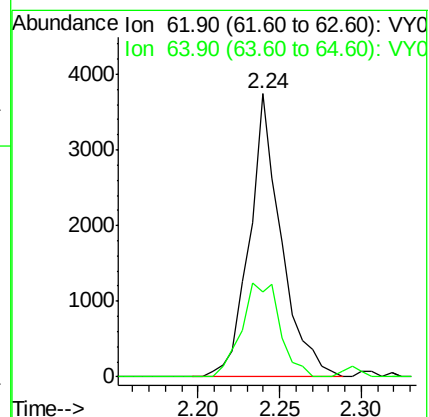
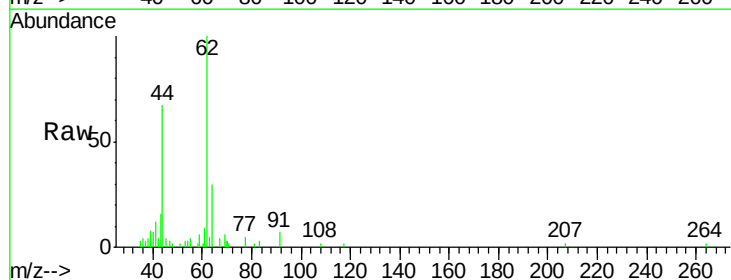
Acq: 12 Sep 2019 16:39

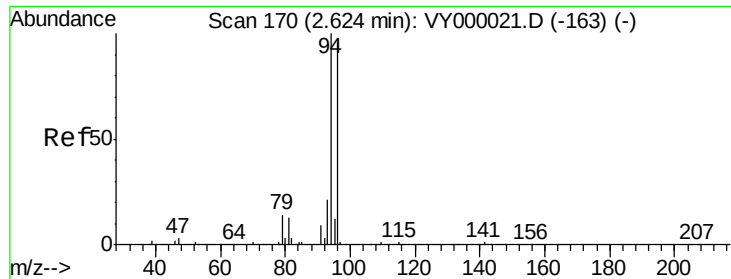
Tgt Ion: 62 Resp: 5090

Ion Ratio Lower Upper

62 100

64 29.9 26.1 39.1





#5

Bromomethane

Concen: 5.106 ug/l

RT: 2.64 min Scan# 172

Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 94 Resp: 4778

Ion Ratio Lower Upper

94 100

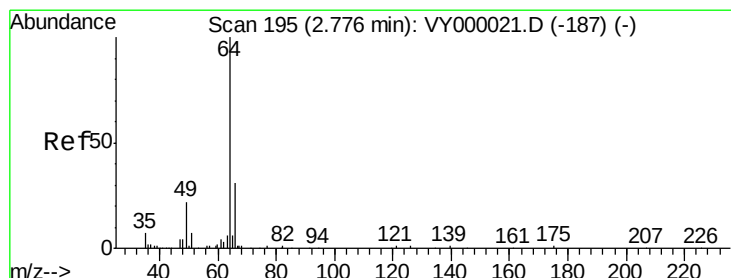
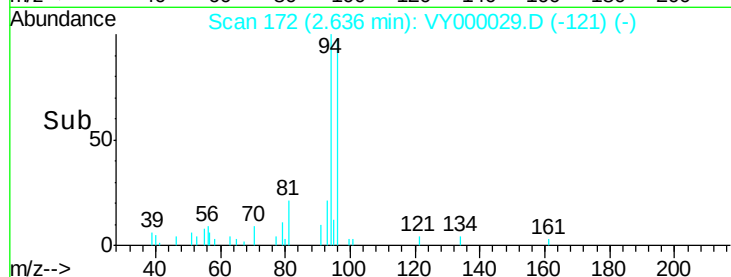
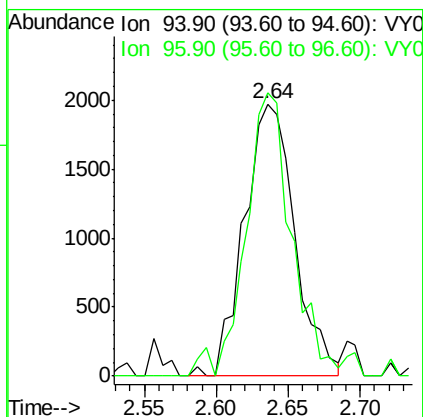
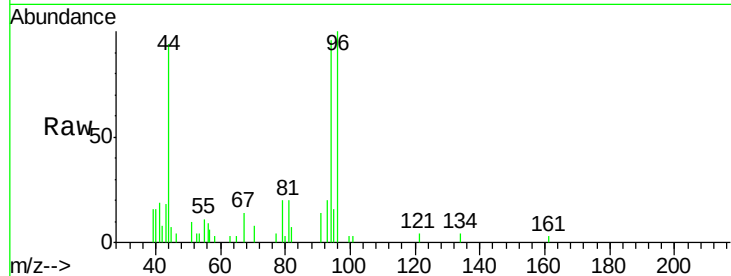
96 104.0 76.8 115.2

Manual Integrations

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#6

Chloroethane

Concen: 4.014 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VY000029.D

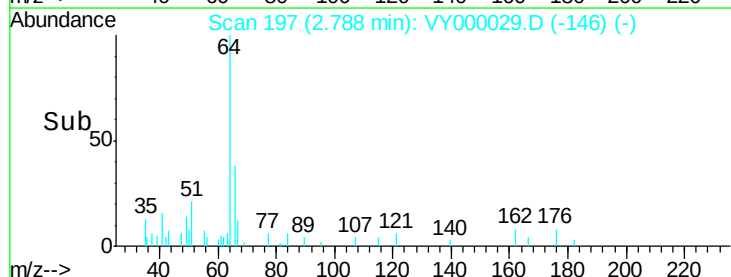
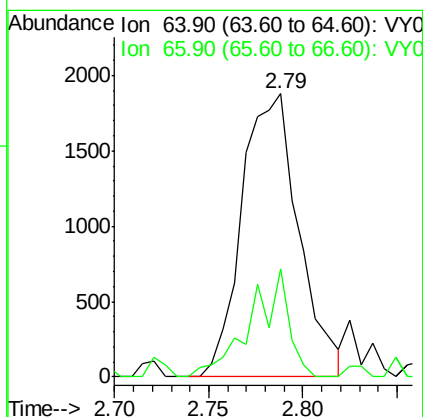
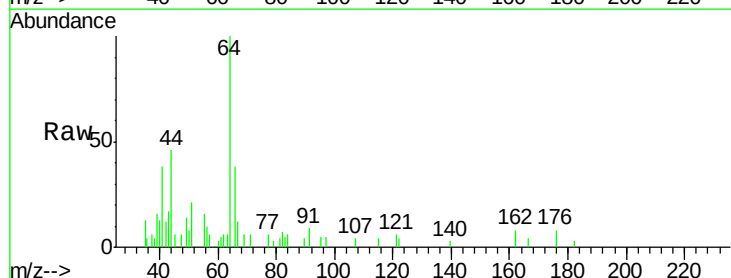
Acq: 12 Sep 2019 16:39

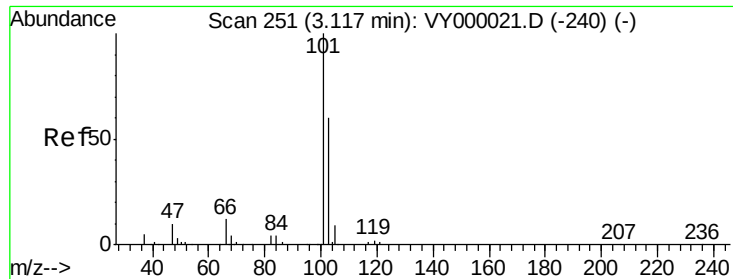
Tgt Ion: 64 Resp: 3934

Ion Ratio Lower Upper

64 100

66 38.1 25.0 37.6#





#7

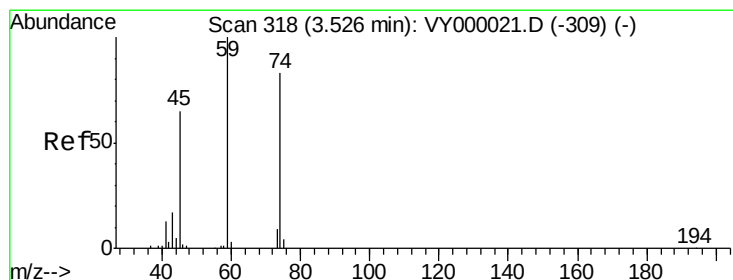
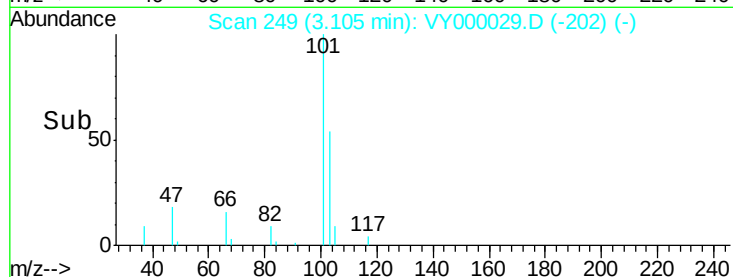
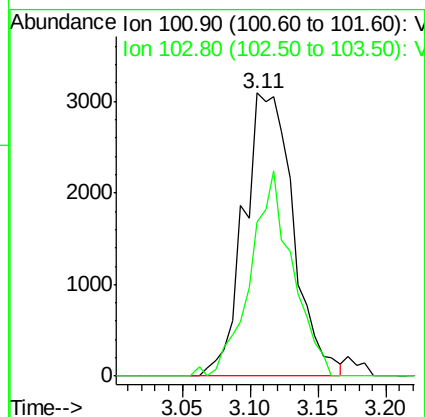
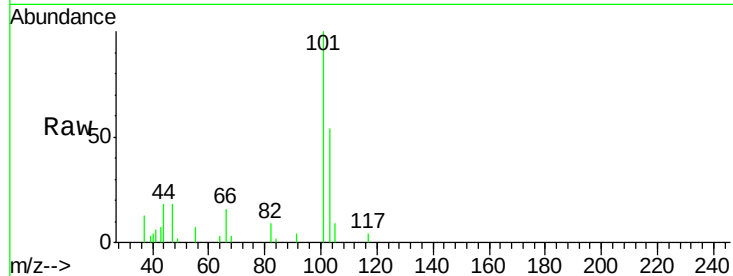
Trichlorofluoromethane
Concen: 4.103 ug/l
RT: 3.11 min Scan# 249
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.2	48.1	72.1

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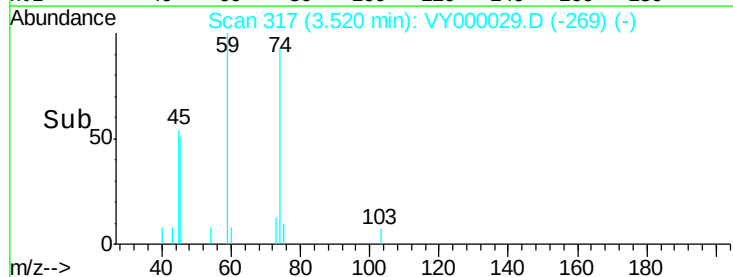
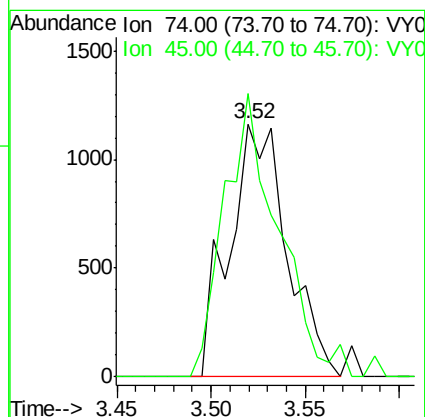
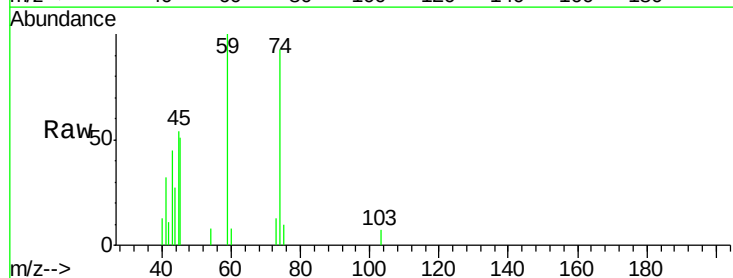
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9/13/2019 11:53:59 PM

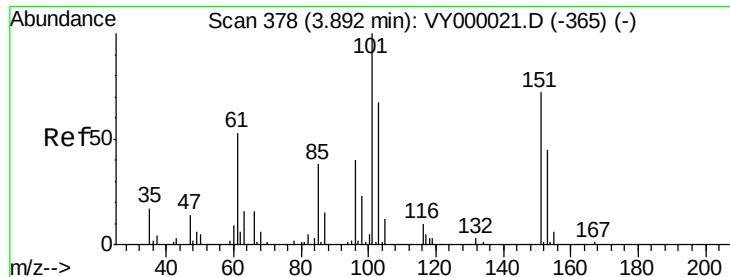


#8

Diethyl Ether
Concen: 3.154 ug/l
RT: 3.52 min Scan# 317
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.0	41.9	125.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.412 ug/l m

RT: 3.88 min Scan# 376

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

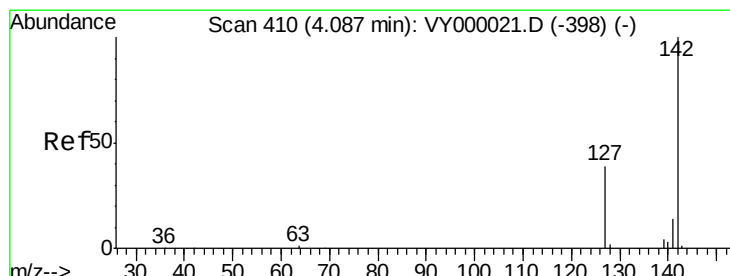
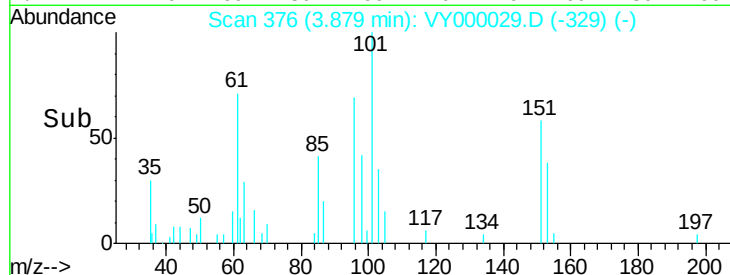
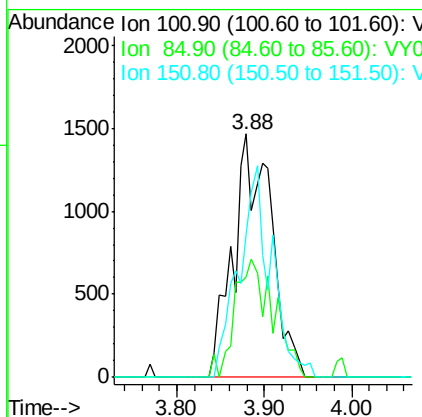
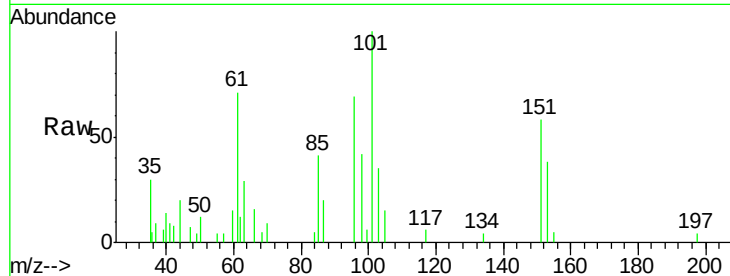
ClientSampleId :

MDL2

Tot Ion:	101	Resp:	4442
Ion Ratio	Lower	Upper	
101	100		
85	49.1	35.3	52.9
151	73.7	55.9	83.9

Manual Integrations
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#10

Methyl Iodide

Concen: 2.211 ug/l

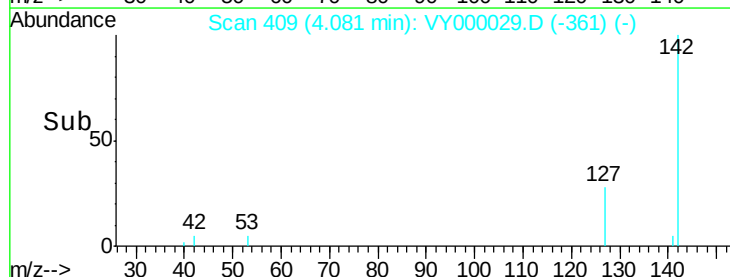
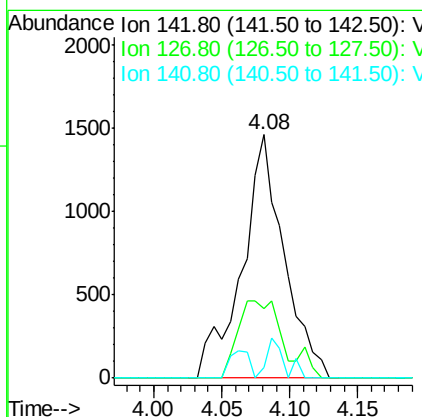
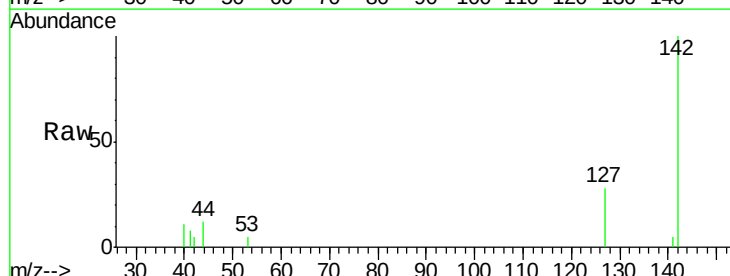
RT: 4.08 min Scan# 409

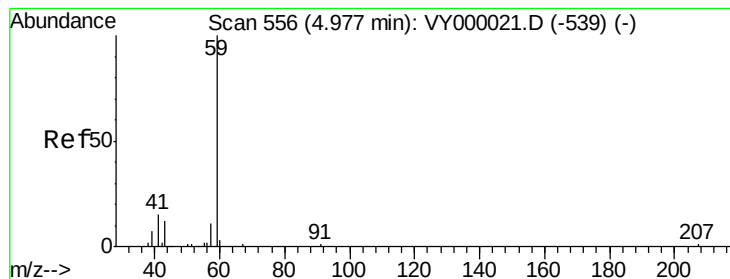
Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	142	Resp:	3148
Ion Ratio	Lower	Upper	
142	100		
127	34.7	31.4	47.2
141	7.0	10.6	16.0#





#11

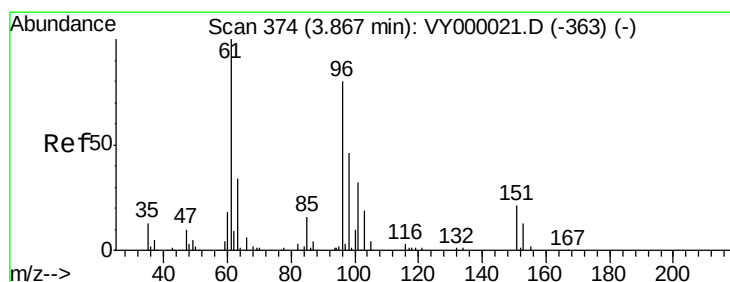
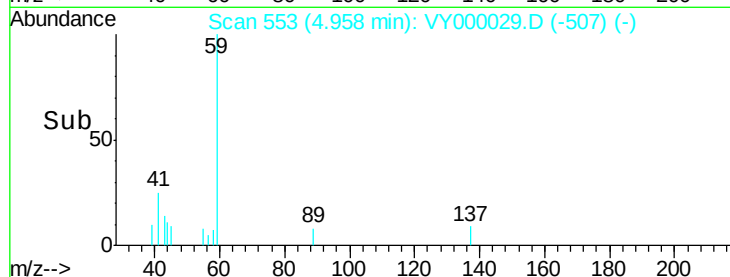
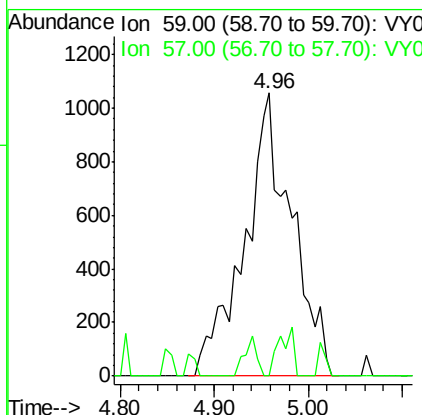
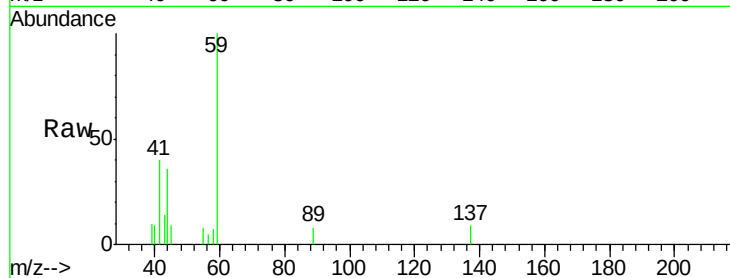
Tert butyl alcohol
Concen: 20.526 ug/l
RT: 4.96 min Scan# 553
Delta R.T. -0.02 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.6	8.3	12.5#

Manual Integrations
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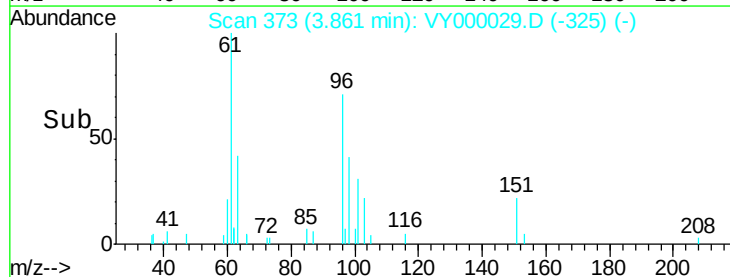
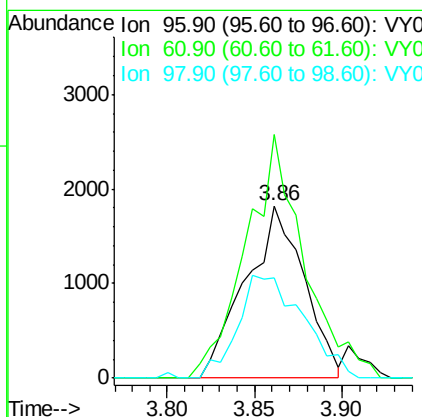
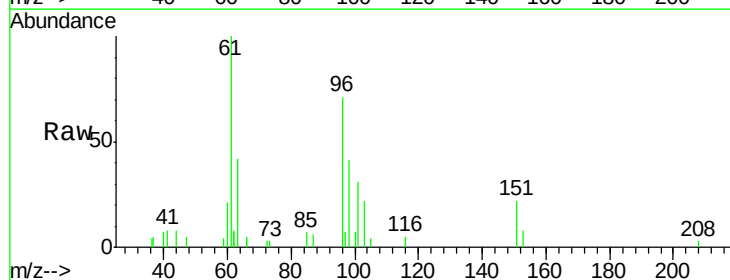
MMDadoda
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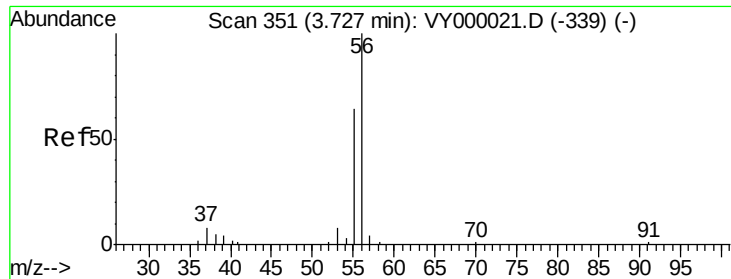


#12

1,1-Dichloroethene
Concen: 3.513 ug/l
RT: 3.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	141.2	99.8	149.6
98	57.9	46.3	69.5





#13

Acrolein

Concen: 18.814 ug/l

RT: 3.73 min Scan# 352

Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 56 Resp: 2545

Ion Ratio Lower Upper

56 100

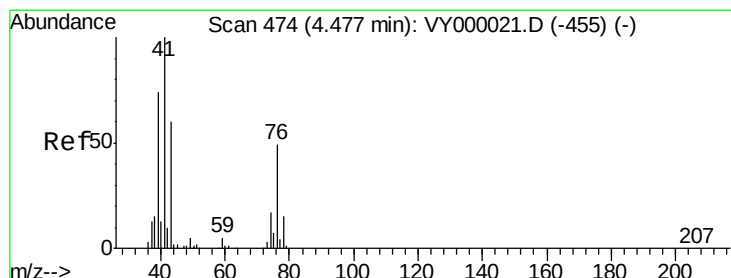
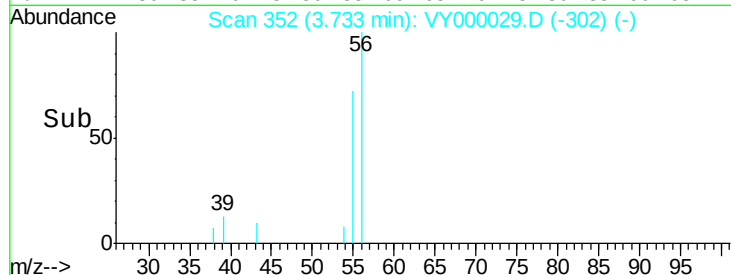
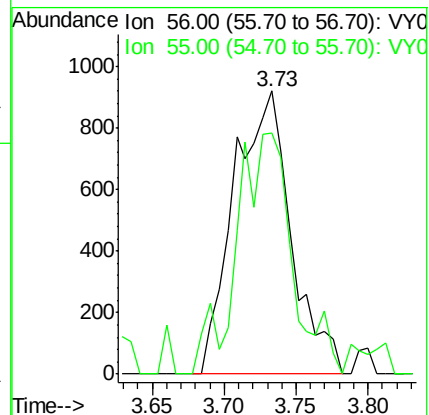
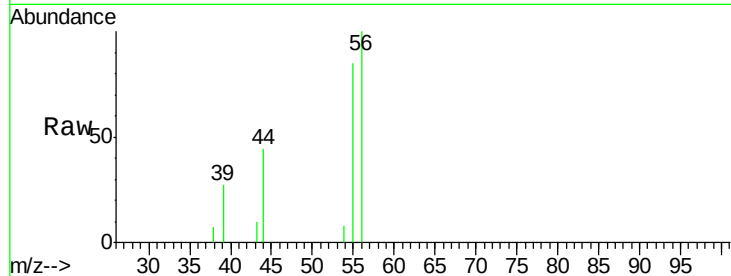
55 82.8 56.7 85.1

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 3.343 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

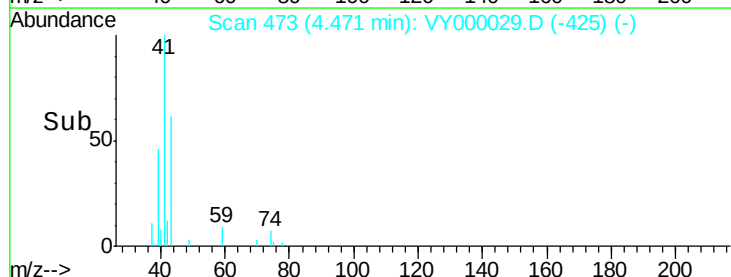
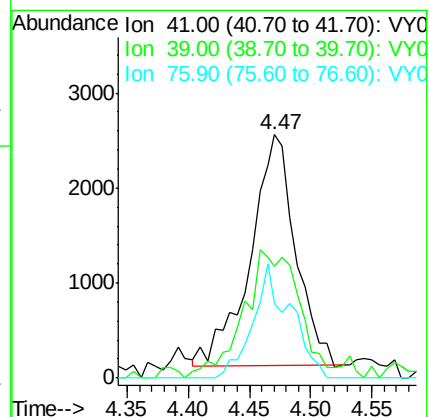
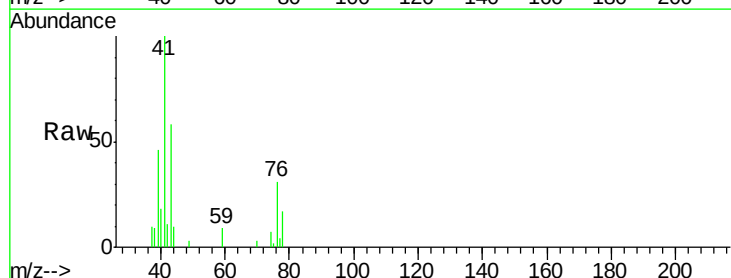
Tgt Ion: 41 Resp: 6297

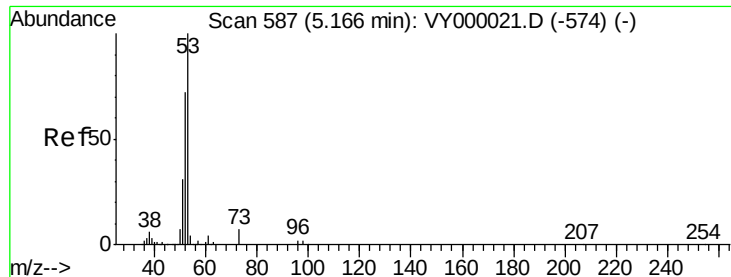
Ion Ratio Lower Upper

41 100

39 67.3 53.1 79.7

76 40.7 34.9 52.3





#15

Acrylonitrile

Concen: 17.230 ug/l

RT: 5.15 min Scan# 585

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

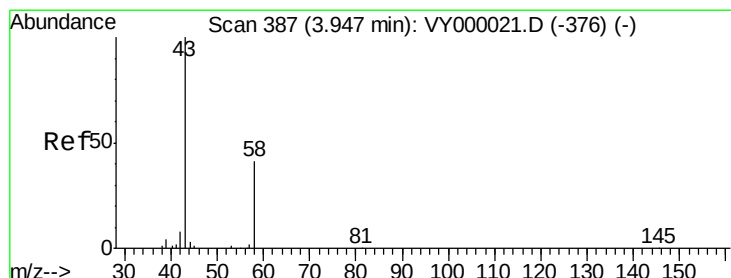
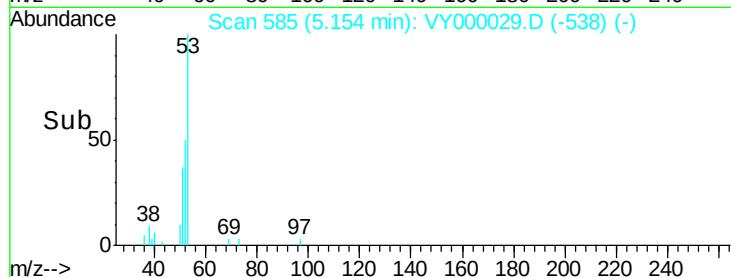
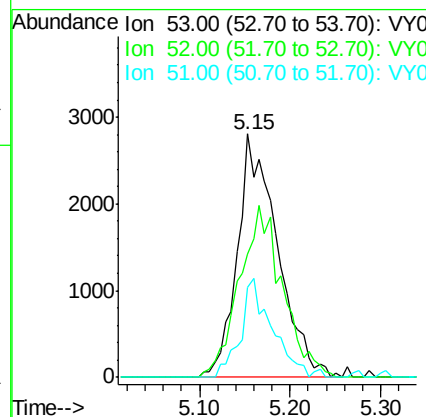
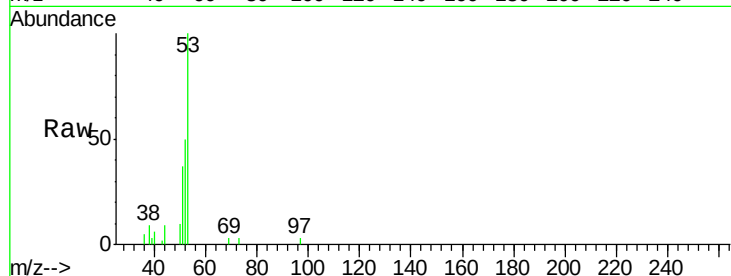
ClientSampled :

MDL2

Tot Ion:	53	Resp:	8595
Ion Ratio	Lower	Upper	
53	100		
52	75.9	62.8	94.2
51	31.6	26.6	40.0

Manual Integrations
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#16

Acetone

Concen: 18.405 ug/l

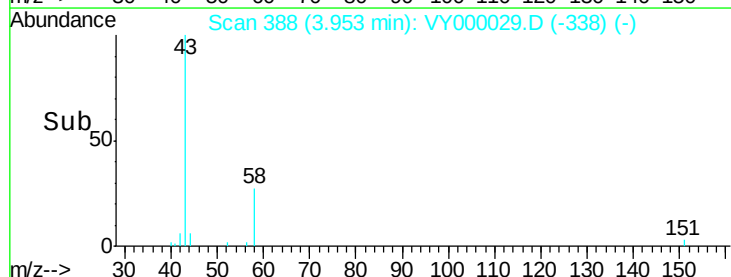
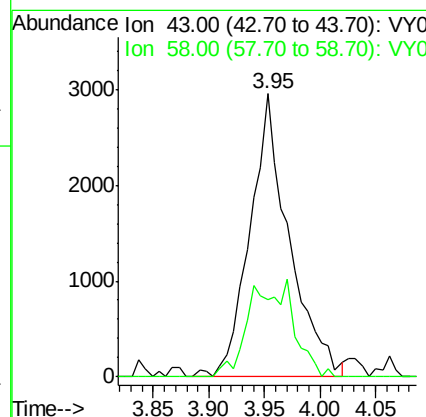
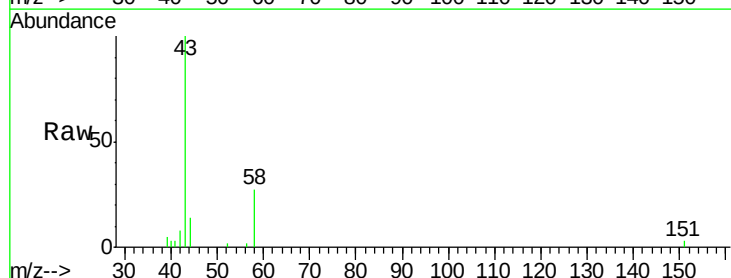
RT: 3.95 min Scan# 388

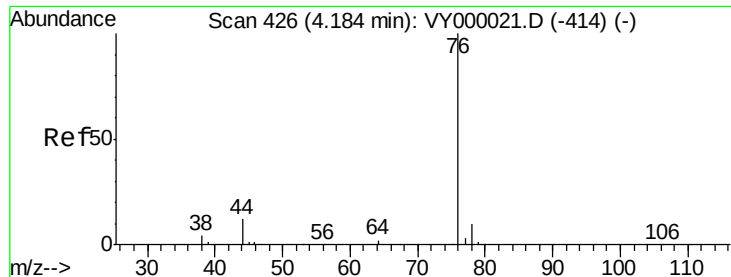
Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	43	Resp:	7238
Ion Ratio	Lower	Upper	
43	100		
58	27.4	32.5	48.7#





#17

Carbon Disulfide

Concen: 4.357 ug/l

RT: 4.18 min Scan# 426

Delta R.T. 0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 76 Resp: 10646

Ion Ratio Lower Upper

76 100

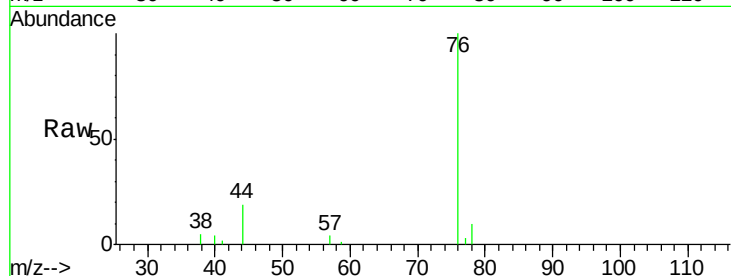
78 9.7 7.6 11.4

Manual Integrations

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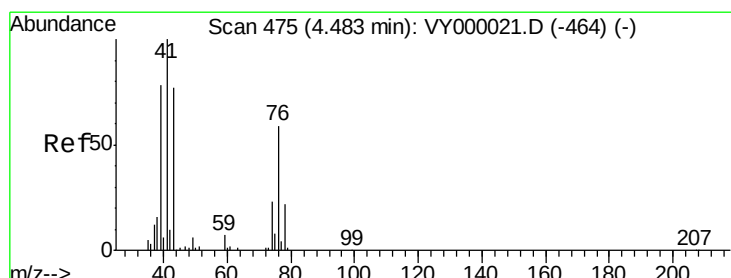
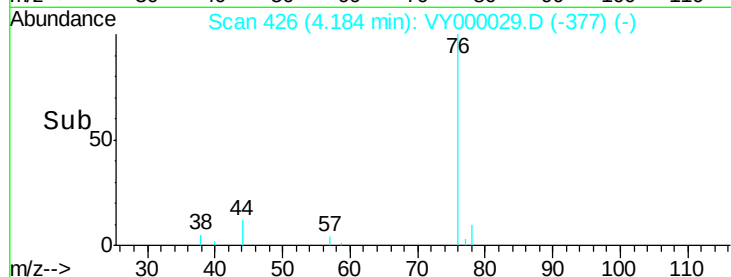
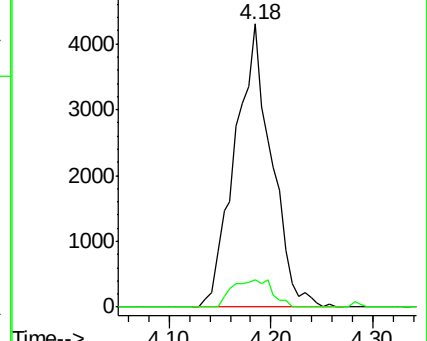
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 4.239 ug/l

RT: 4.47 min Scan# 473

Delta R.T. -0.01 min

Lab File: VY000029.D

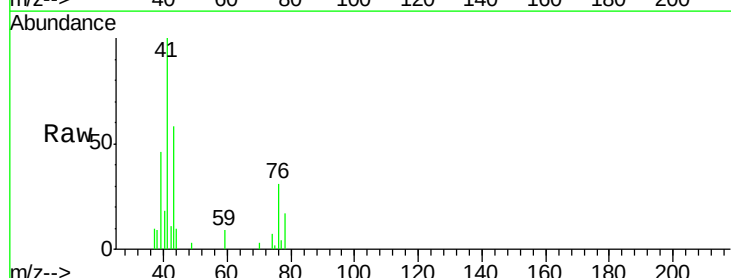
Acq: 12 Sep 2019 16:39

Tgt Ion: 43 Resp: 4691

Ion Ratio Lower Upper

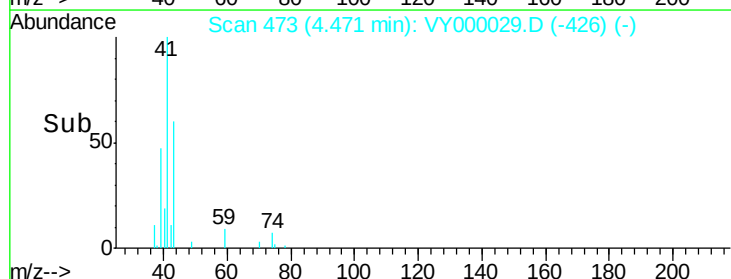
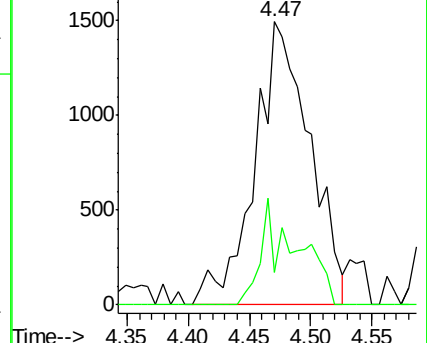
43 100

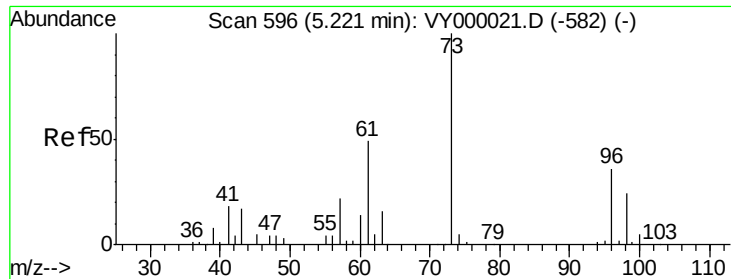
74 16.3 21.4 32.0#



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





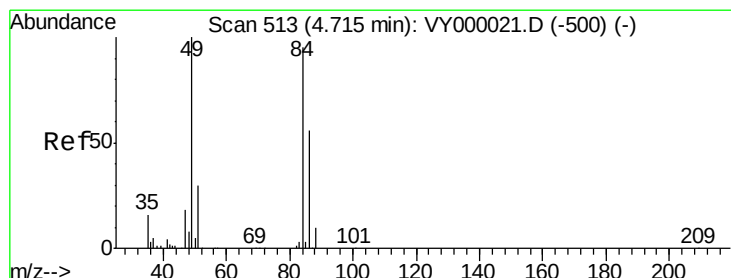
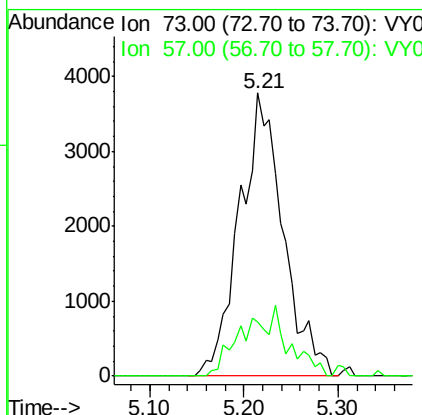
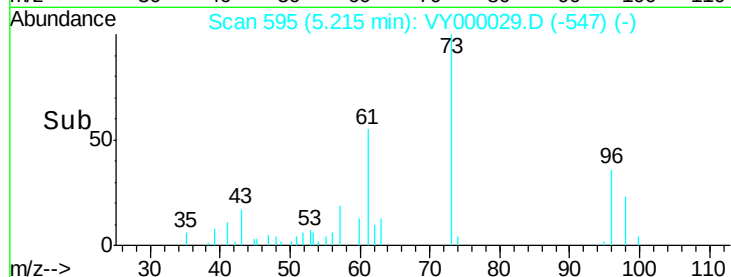
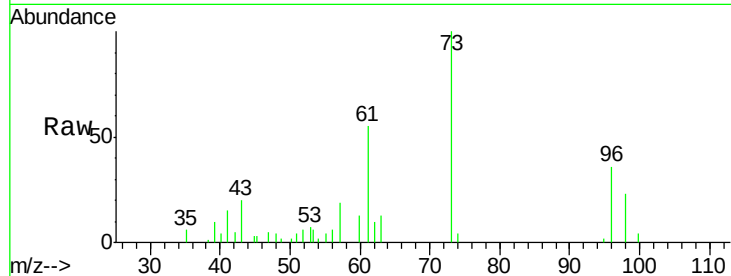
#19
Methyl tert-butyl Ether
Concen: 3.316 ug/l
RT: 5.21 min Scan# 595
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion: 73 Resp: 12187
Ion Ratio Lower Upper
73 100
57 19.3 17.8 26.8

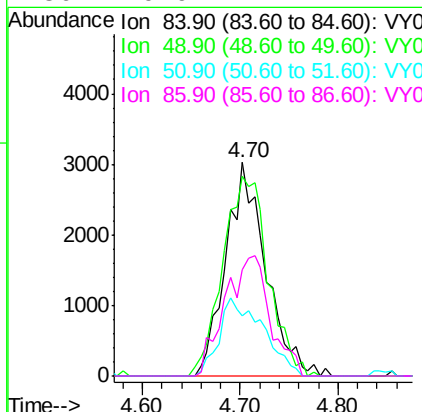
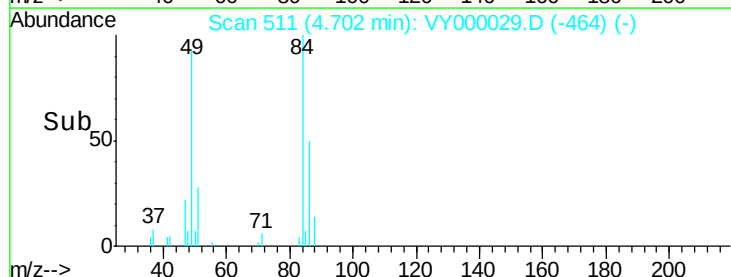
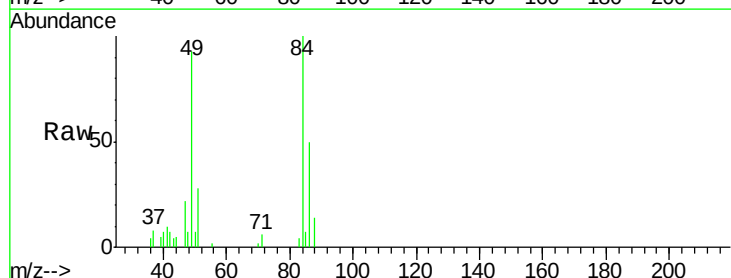
Manual Integrations
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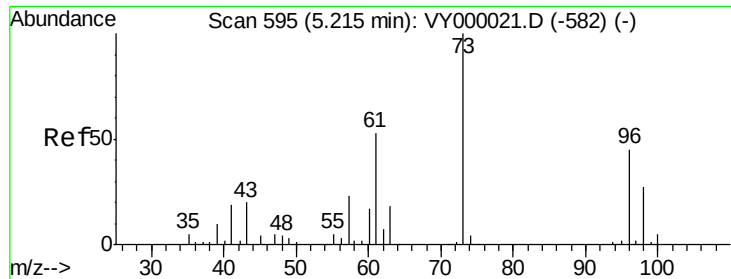
MMDadoda
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#20
Methylene Chloride
Concen: 5.469 ug/l
RT: 4.70 min Scan# 511
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 84 Resp: 8573
Ion Ratio Lower Upper
84 100
49 93.2 84.4 126.6
51 27.9 25.4 38.0
86 49.9 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 3.745 ug/l

RT: 5.20 min Scan# 593

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

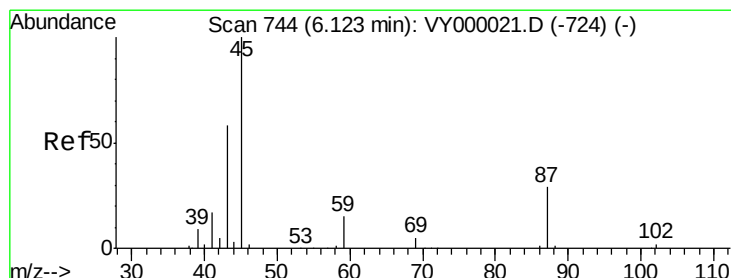
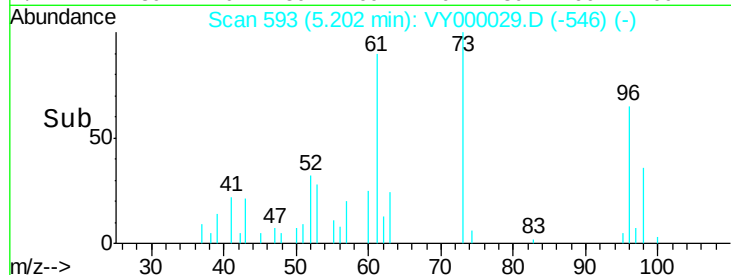
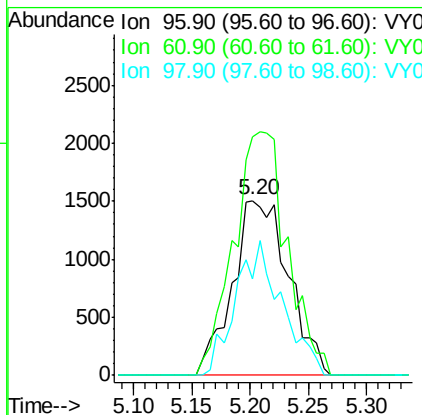
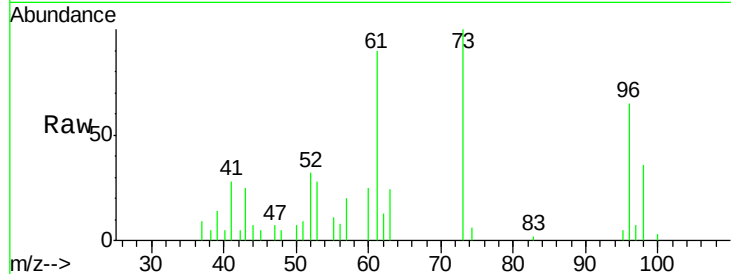
ClientSampled :

MDL2

Tot Ion:	96	Resp:	5031
Ion	Ratio	Lower	Upper
96	100		
61	136.8	95.3	142.9
98	55.1	48.7	73.1

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#22

Diisopropyl ether

Concen: 3.327 ug/l

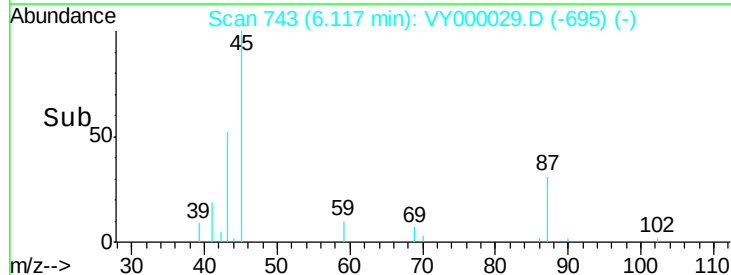
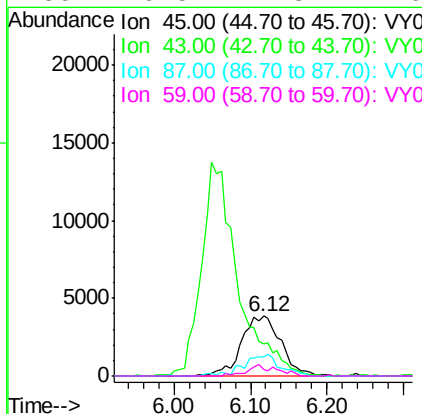
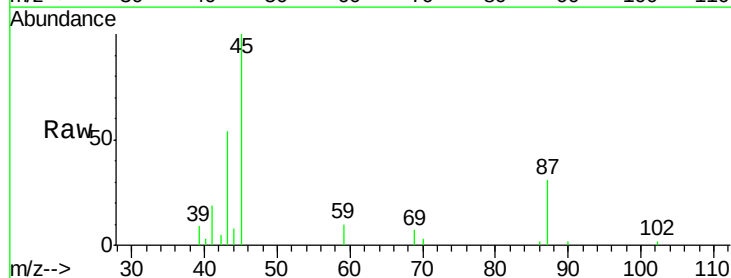
RT: 6.12 min Scan# 743

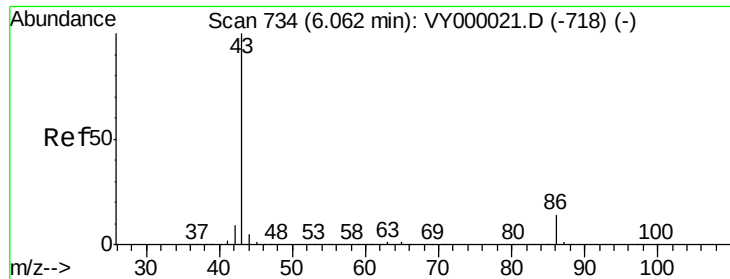
Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	45	Resp:	13836
Ion	Ratio	Lower	Upper
45	100		
43	51.8	47.0	70.4
87	31.5	23.1	34.7
59	10.5	11.8	17.6#





#23

Vinyl Acetate

Concen: 15.922 ug/l

RT: 6.05 min Scan# 732

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion: 43 Resp: 45808

Ion Ratio Lower Upper

43 100

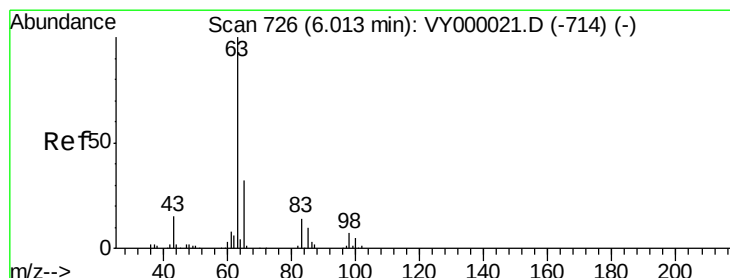
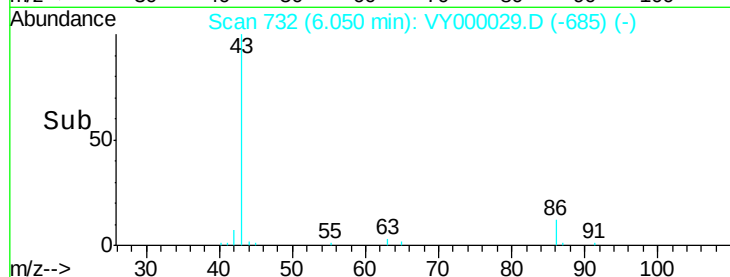
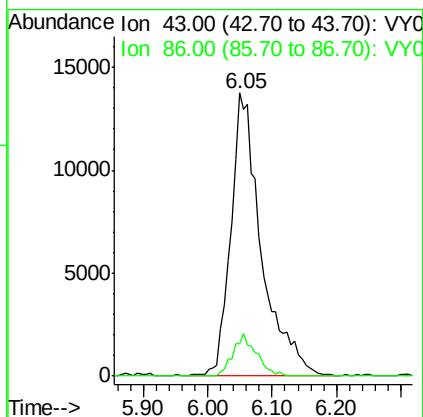
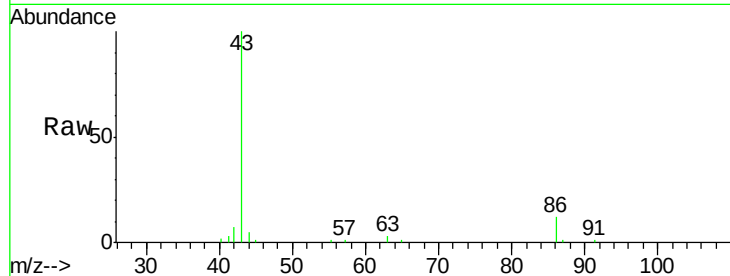
86 11.6 11.0 16.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 3.622 ug/l

RT: 6.01 min Scan# 725

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

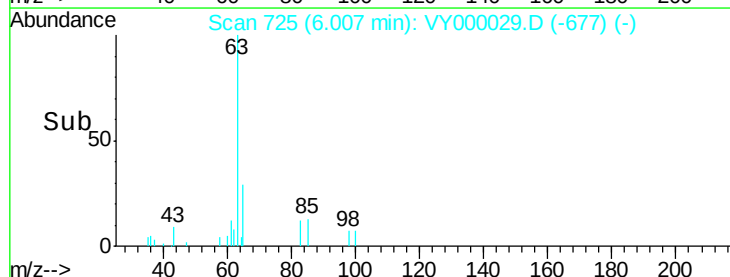
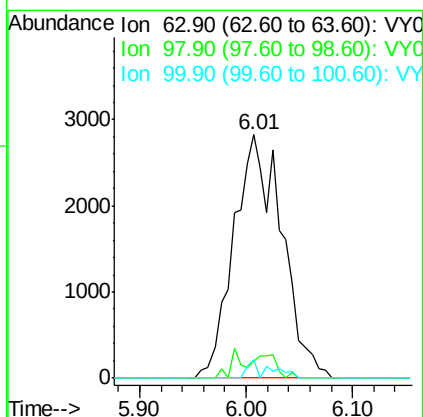
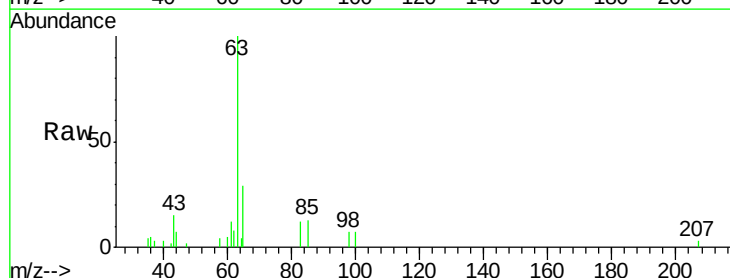
Tgt Ion: 63 Resp: 8927

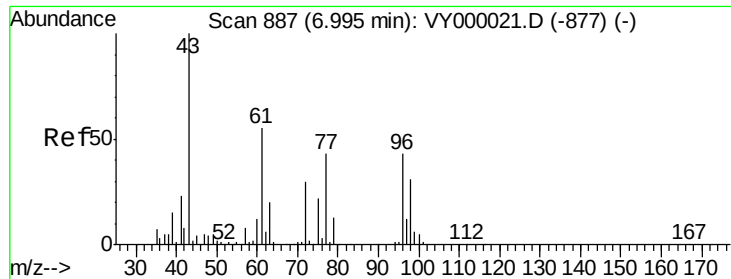
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

100 7.5 2.6 8.0





#25

2-Butanone

Concen: 18.606 ug/l

RT: 6.99 min Scan# 886

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 43 Resp: 11893

Ion Ratio Lower Upper

43 100

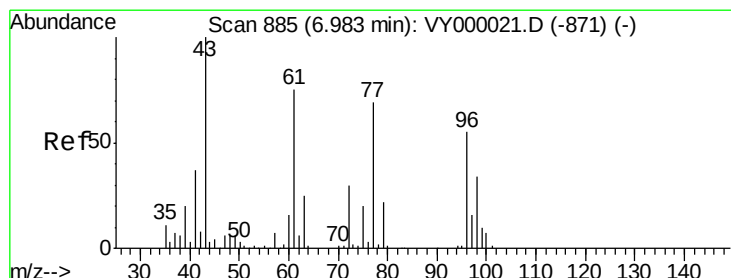
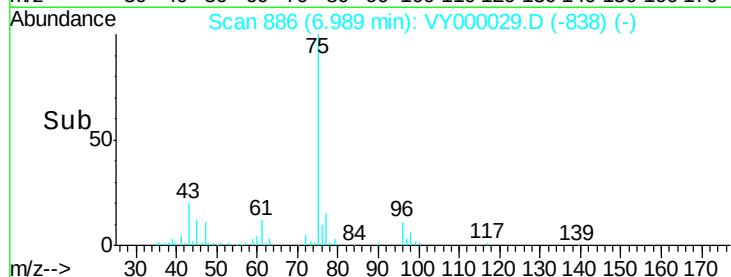
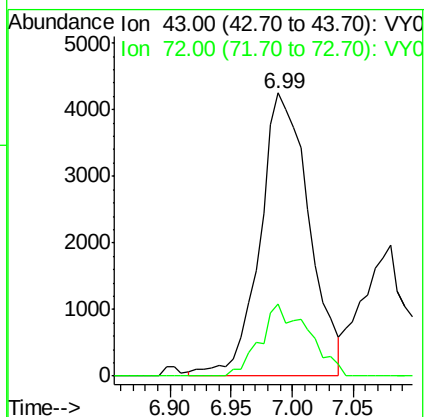
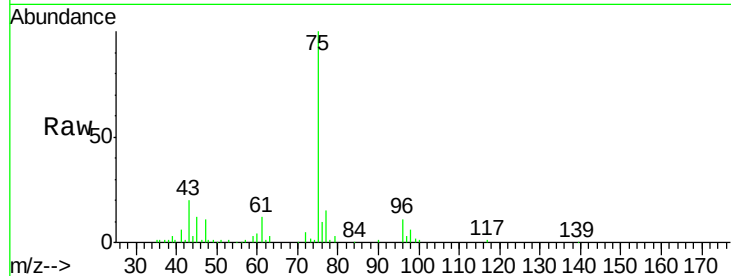
72 26.0 24.1 36.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.454 ug/l

RT: 6.99 min Scan# 886

Delta R.T. 0.01 min

Lab File: VY000029.D

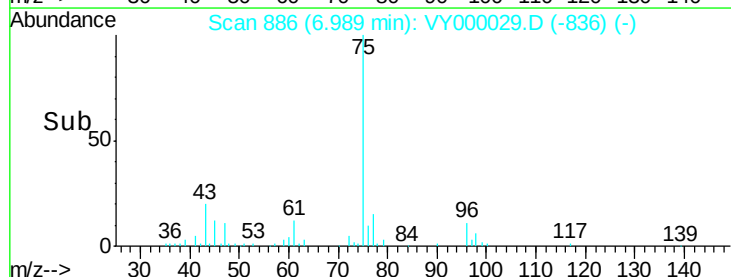
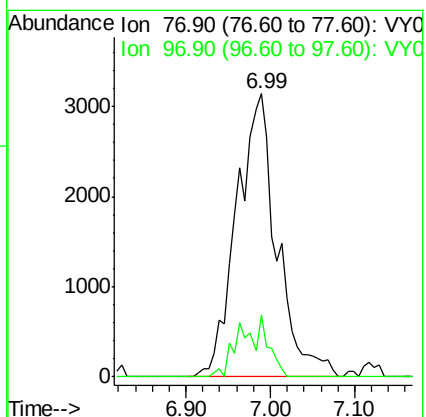
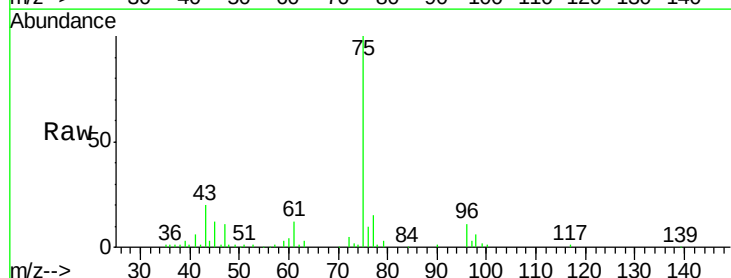
Acq: 12 Sep 2019 16:39

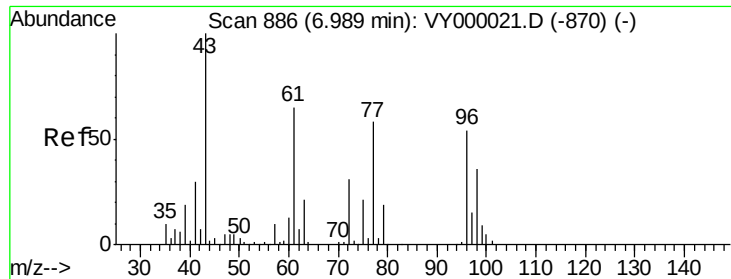
Tgt Ion: 77 Resp: 10197

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#





#27

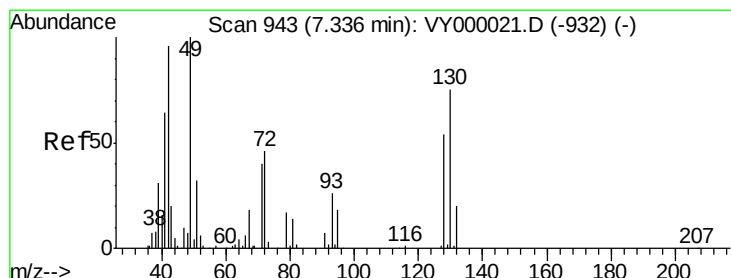
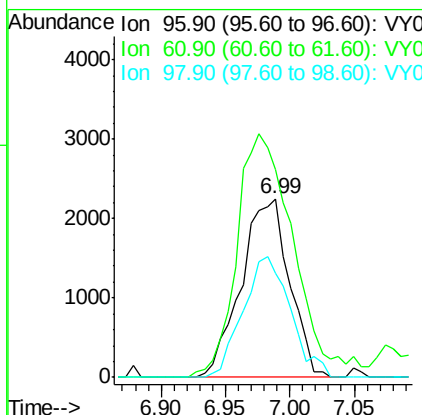
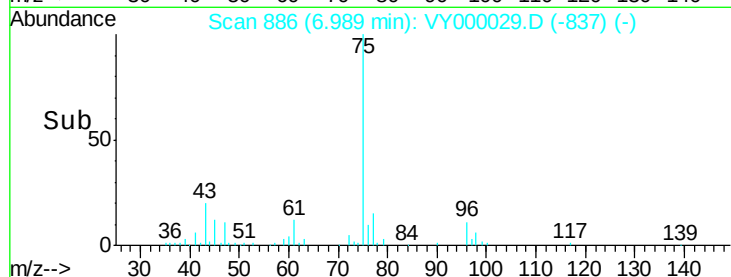
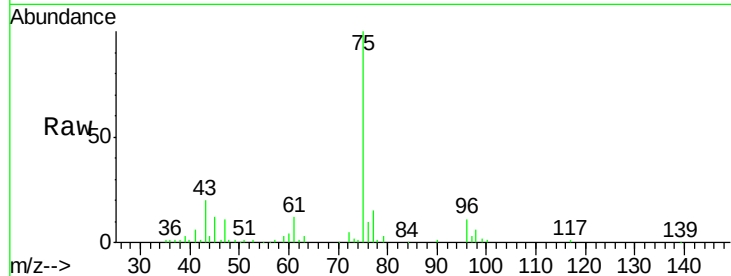
cis-1,2-Dichloroethene
Concen: 3.464 ug/l
RT: 6.99 min Scan# 886
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.3	0.0	259.2
98	66.1	0.0	127.4

Manual Integrations
APPROVED

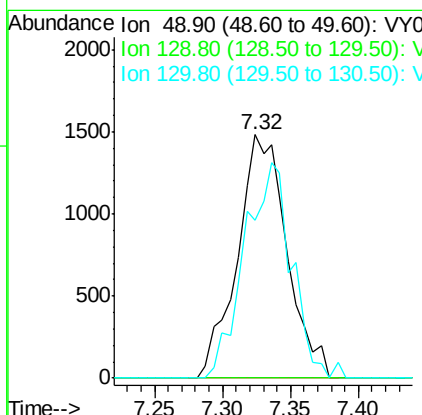
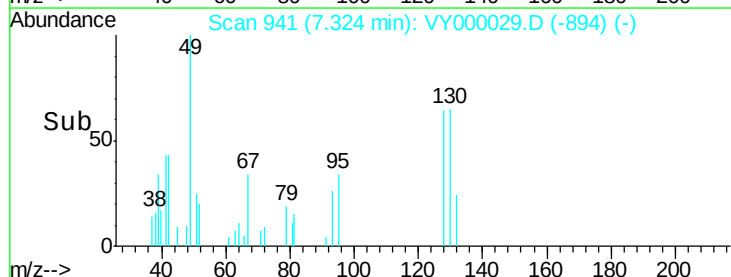
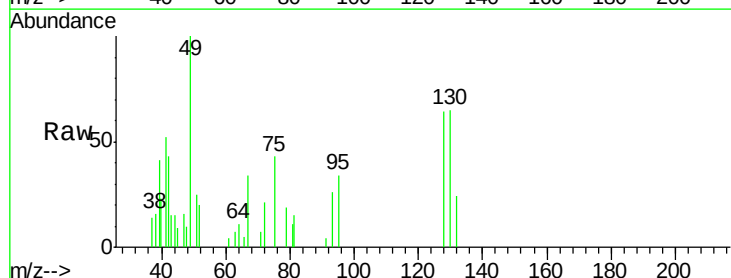
MMDadoda
9/13/2019 11:53:59 PM

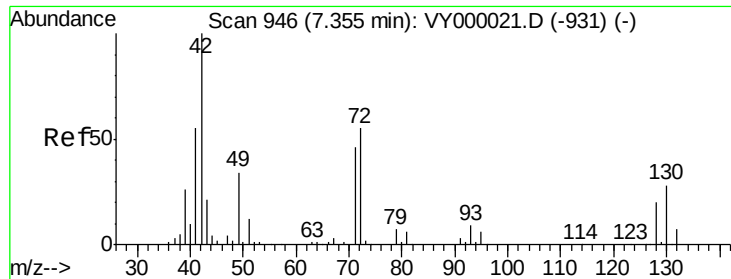


#28

Bromochloromethane
Concen: 3.344 ug/l
RT: 7.32 min Scan# 941
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

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





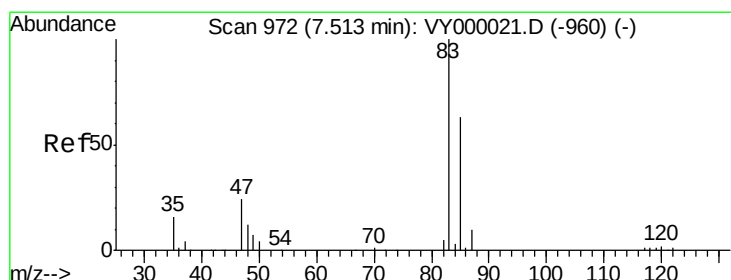
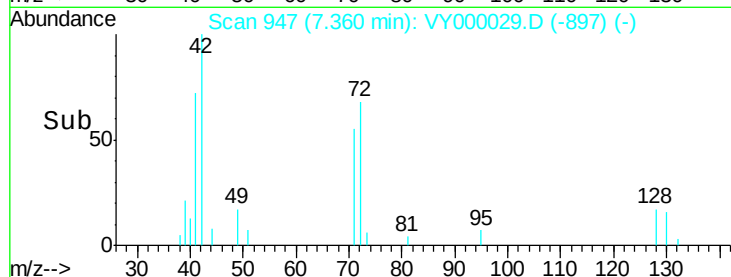
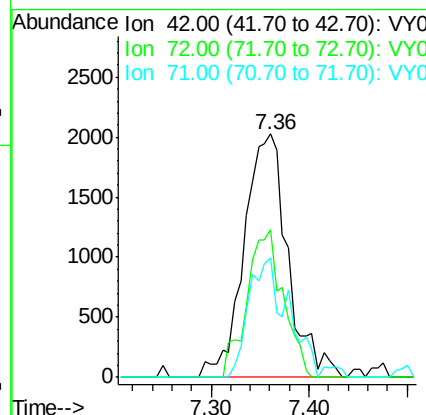
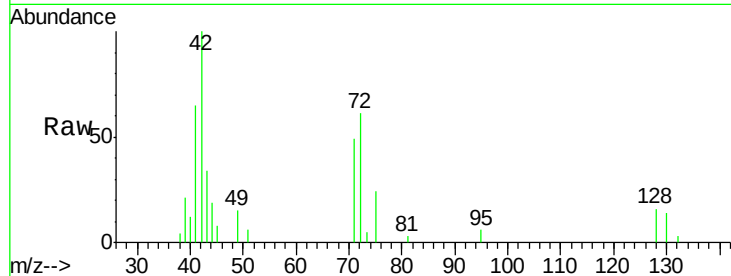
#29
Tetrahydrofuran
Concen: 16.543 ug/l
RT: 7.36 min Scan# 947
Delta R.T. 0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.1	41.1	61.7
71	44.6	36.5	54.7

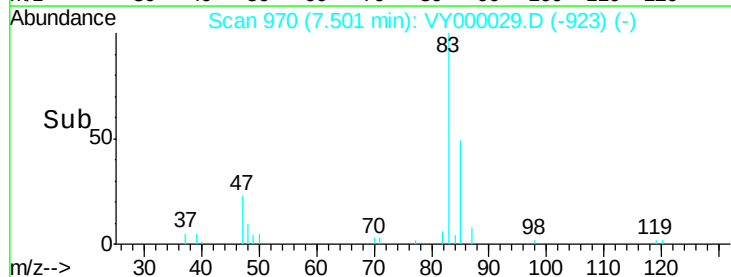
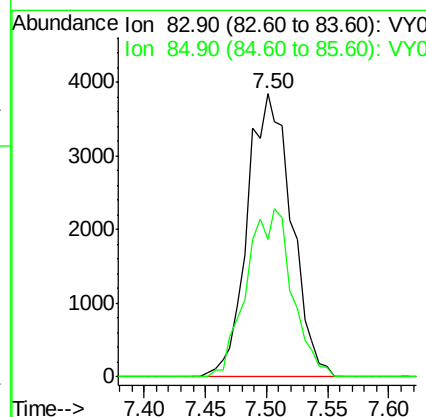
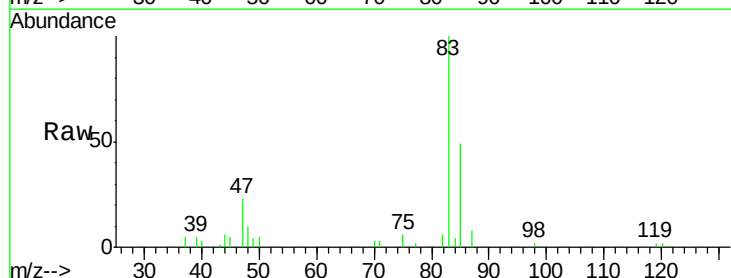
Manual Integrations
APPROVED

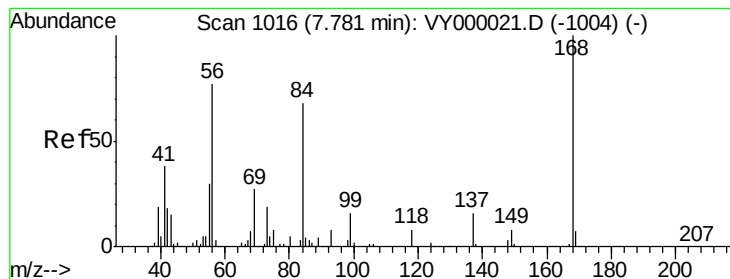
MMDadoda
9/13/2019 11:53:59 PM



#30
Chloroform
Concen: 3.797 ug/l
RT: 7.50 min Scan# 970
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	48.8	50.6	76.0#





#31

Cyclohexane

Concen: 5.089 ug/l

RT: 7.78 min Scan# 1016

Delta R.T. 0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 56 Resp: 10452

Ion Ratio Lower Upper

56 100

69 81.0 28.0 42.0#

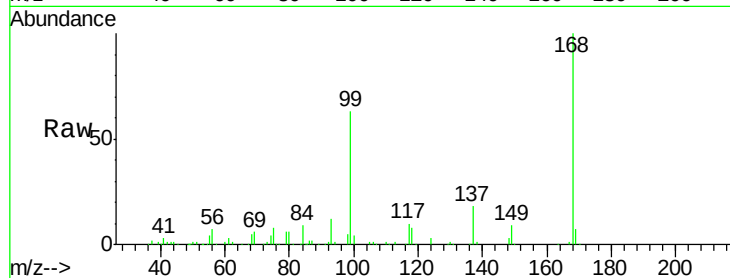
84 119.6 70.4 105.6#

Manual Integrations

APPROVED

MMDadoda

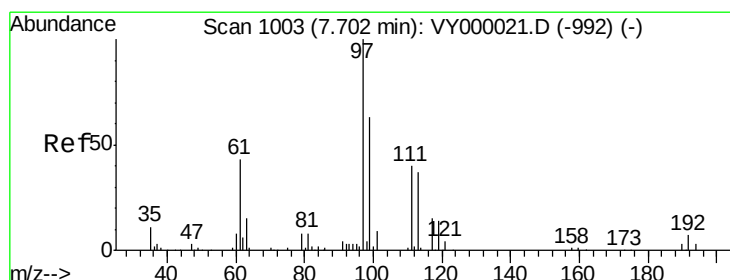
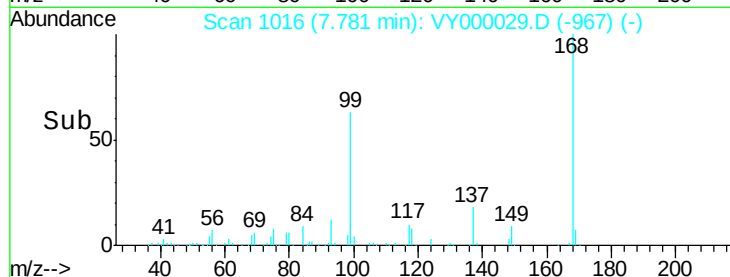
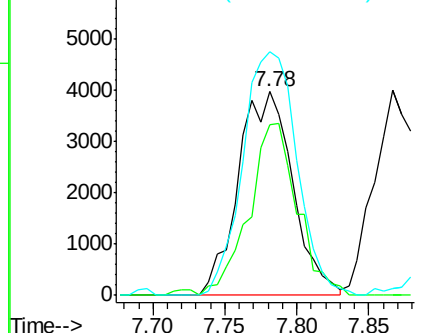
9/13/2019 11:53:59 PM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 3.228 ug/l

RT: 7.70 min Scan# 1002

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

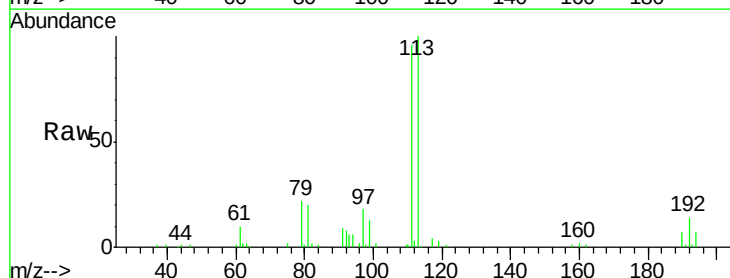
Tgt Ion: 97 Resp: 6730

Ion Ratio Lower Upper

97 100

99 70.2 51.0 76.6

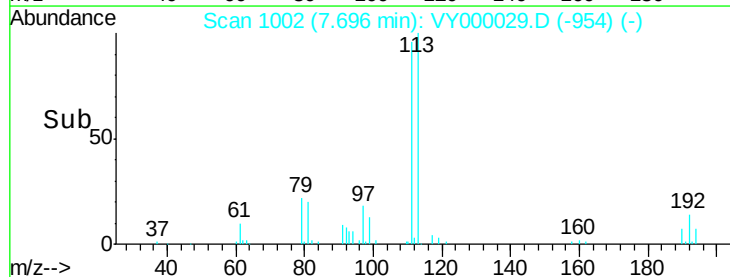
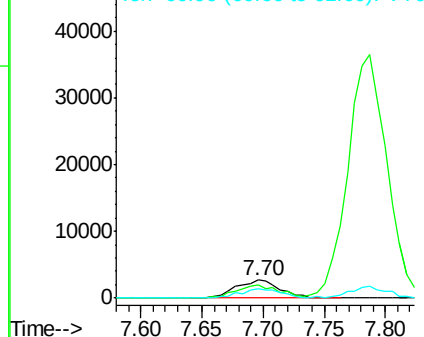
61 48.2 35.7 53.5

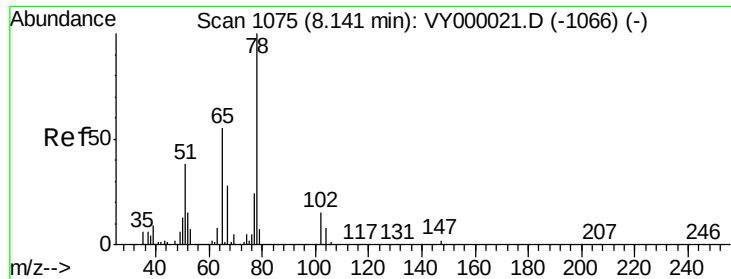


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





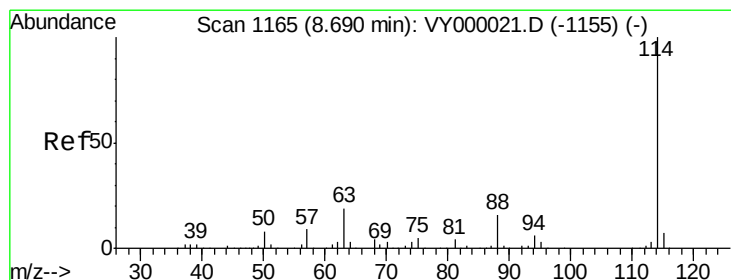
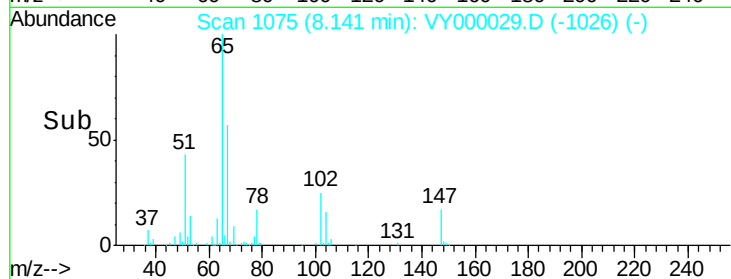
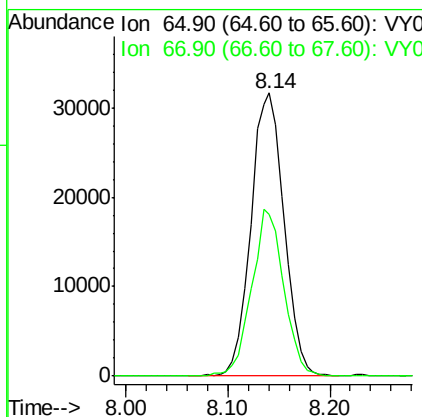
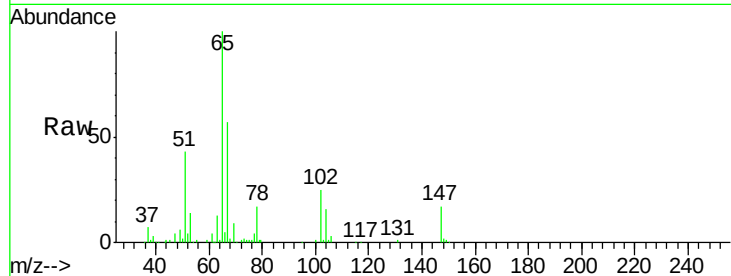
#33
 1,2-Dichloroethane-d4
 Concen: 50.314 ug/l
 RT: 8.14 min Scan# 1075
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

Tot Ion	Ratio	Lower	Upper
65	100		
67	57.3	0.0	104.4

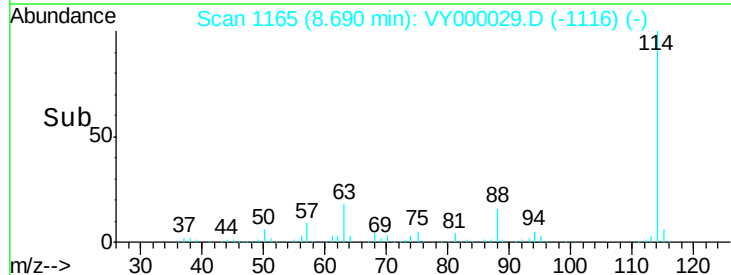
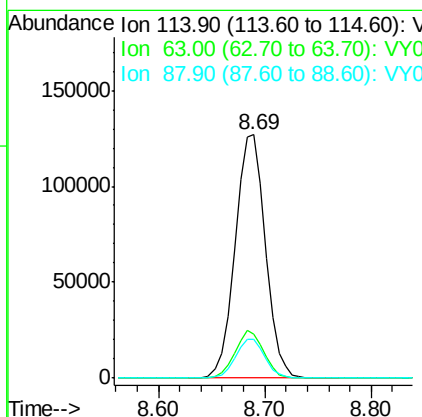
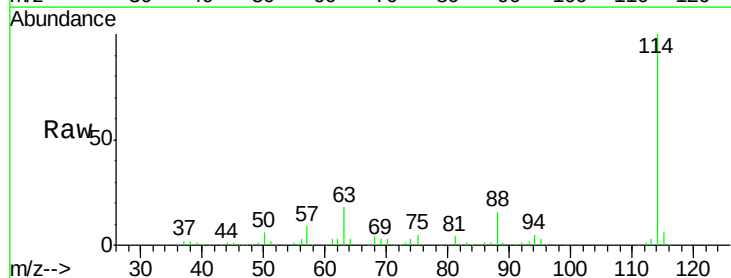
Manual Integrations
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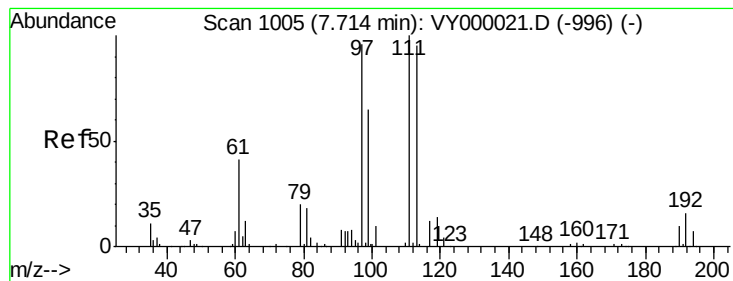
MMDadoda
 9/13/2019 11:53:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.6
88	16.0	0.0	31.8





#35

Dibromofluoromethane

Concen: 48.339 ug/l

RT: 7.71 min Scan# 1005

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

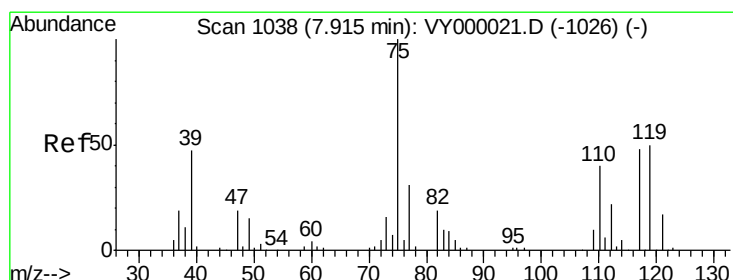
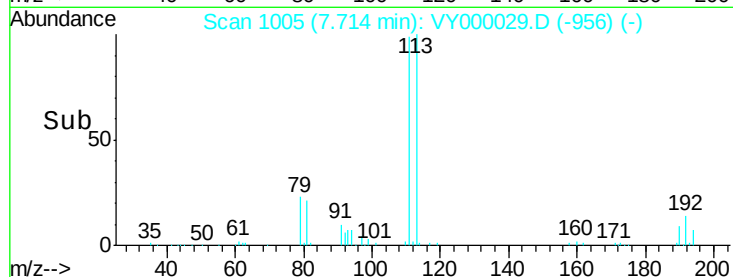
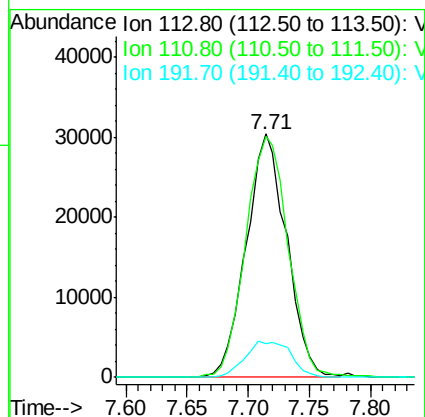
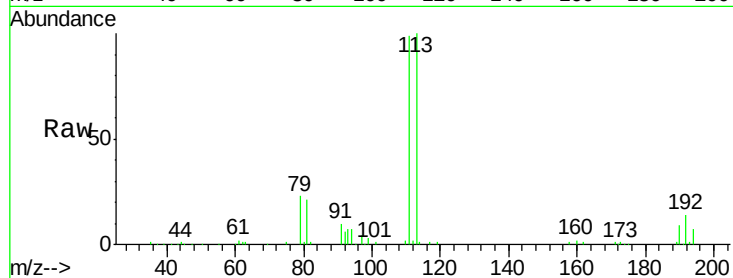
ClientSampled :

MDL2

Tot Ion:	113	Resp:	70122
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.9	125.9
192	16.6	14.5	21.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 3.784 ug/l

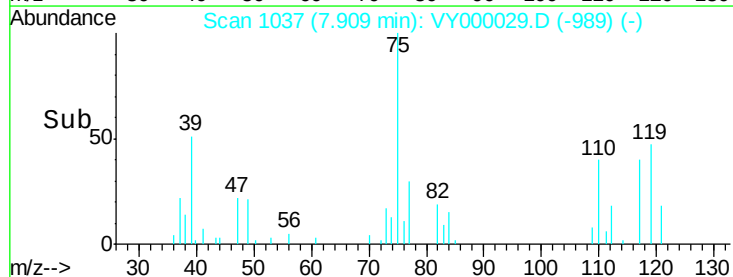
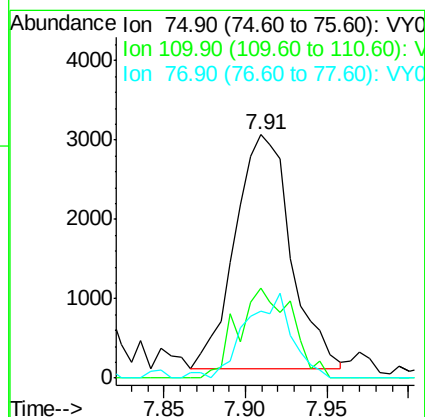
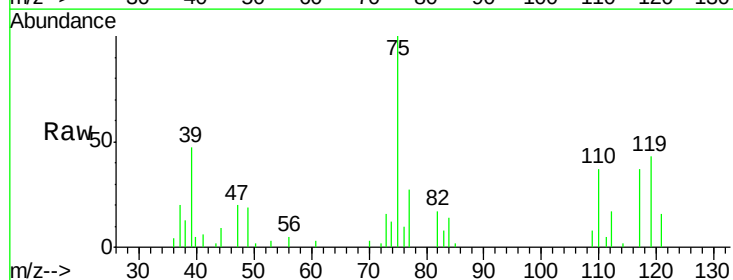
RT: 7.91 min Scan# 1037

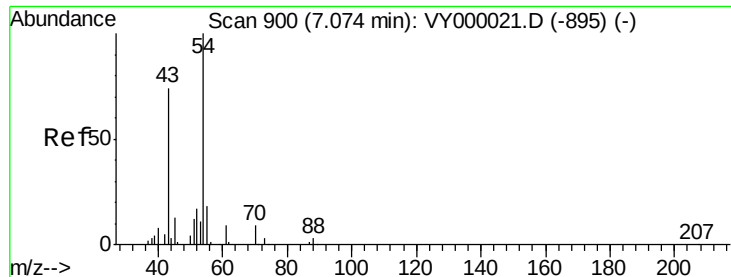
Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	75	Resp:	7025
Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.6	55.8
77	30.0	24.4	36.6





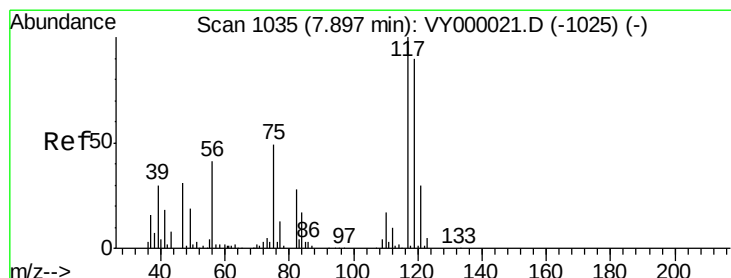
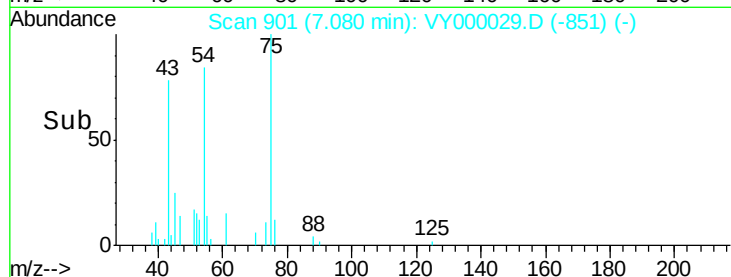
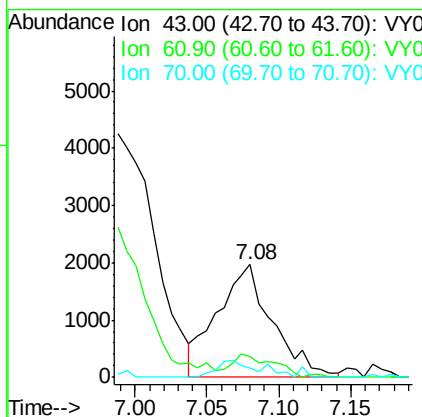
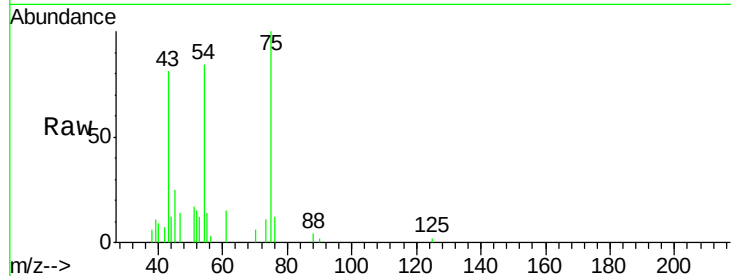
#37
Ethyl Acetate
Concen: 4.175 ug/l
RT: 7.08 min Scan# 901
Delta R.T. 0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	13.1	19.7
70	8.5	10.9	16.3

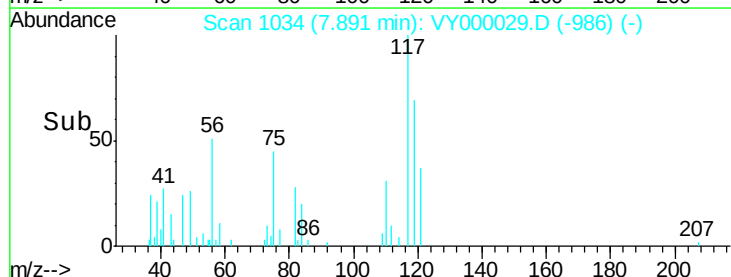
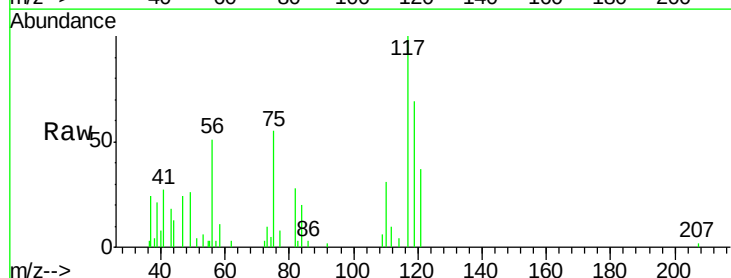
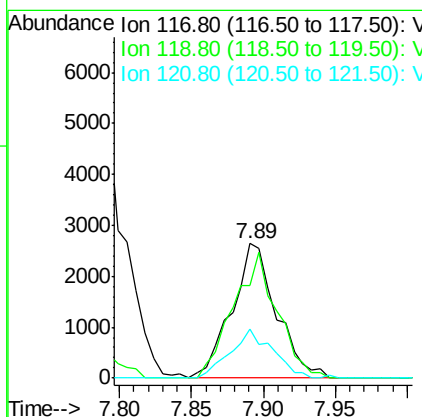
Manual Integrations
APPROVED

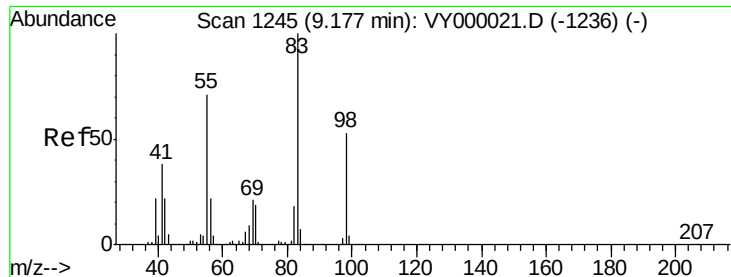
MMDadoda
9/13/2019 11:53:59 PM



#38
Carbon Tetrachloride
Concen: 3.247 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	68.9	72.1	108.1
121	36.7	23.9	35.9





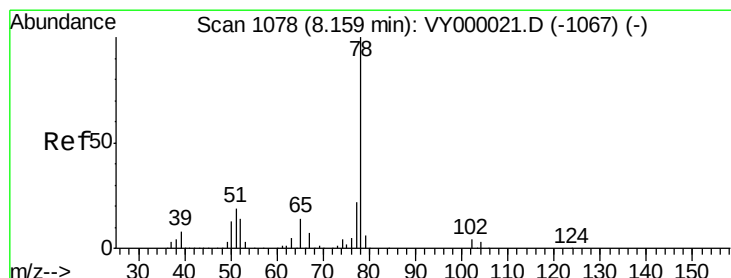
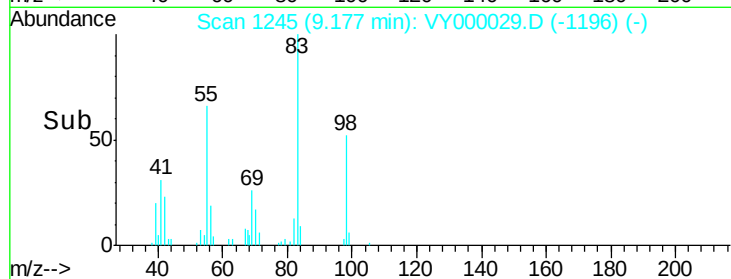
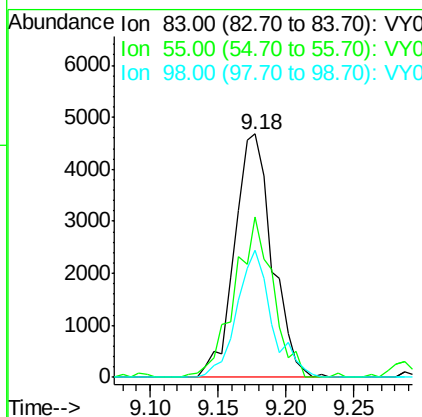
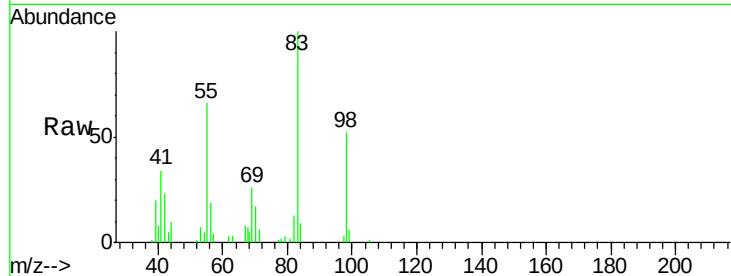
#39
Methylvlcyclohexane
Concen: 3.930 ug/l
RT: 9.18 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.6	57.0	85.4
98	52.5	42.0	63.0

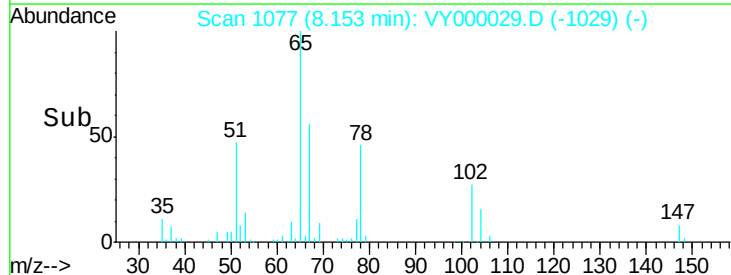
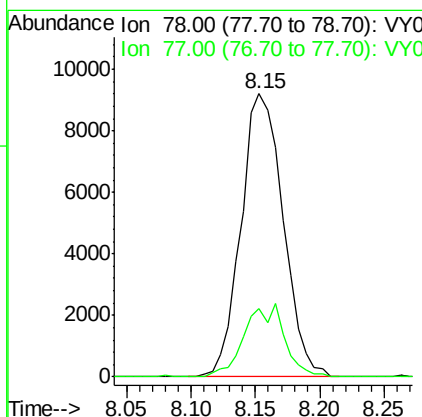
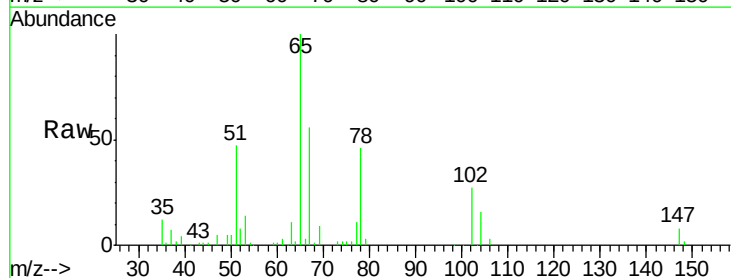
Manual Integrations
APPROVED

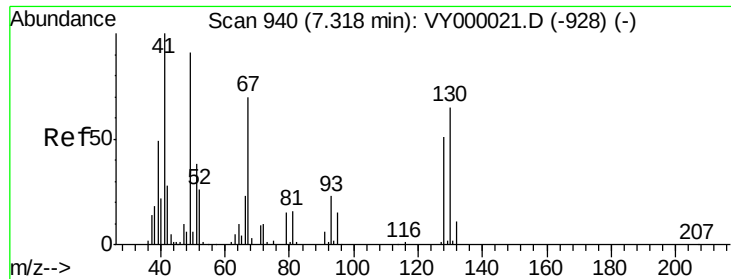
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9/13/2019 11:53:59 PM



#40
Benzene
Concen: 3.447 ug/l
RT: 8.15 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	17.8	26.6





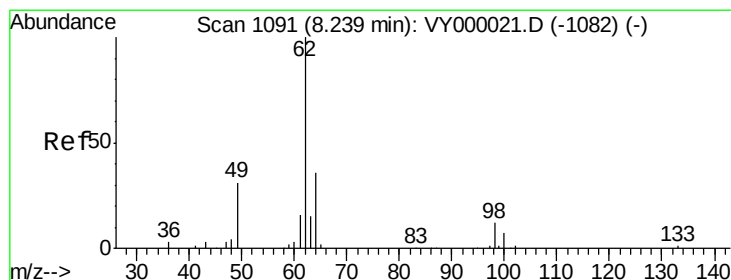
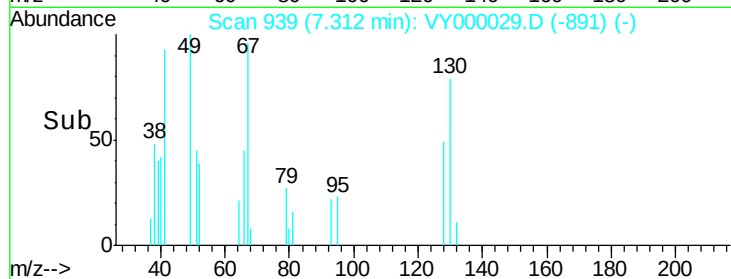
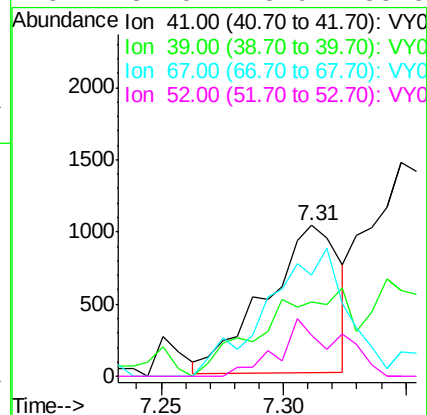
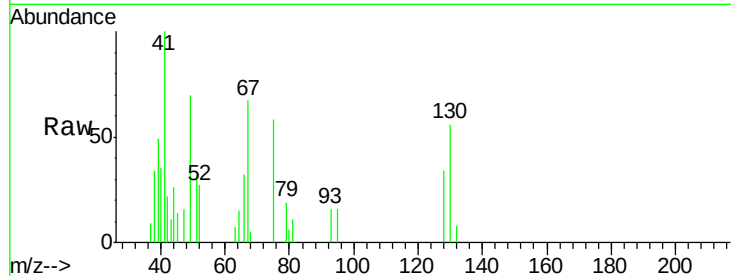
#41
Methacrylonitrile
Concen: 2.948 ug/l
RT: 7.31 min Scan# 939
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion:	41	Resp:	2147
Ion	Ratio	Lower	Upper
41	100		
39	69.5	41.8	62.6#
67	93.8	65.8	98.6
52	32.0	23.9	35.9

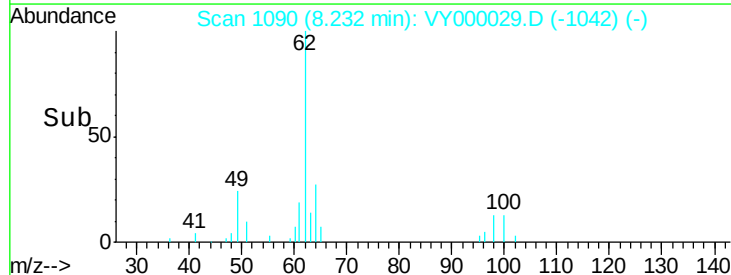
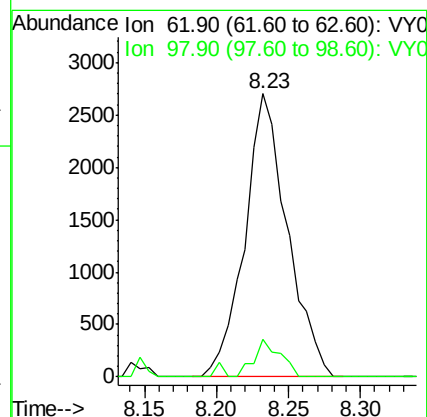
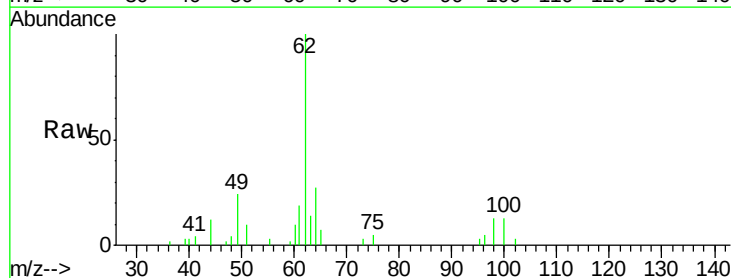
Manual Integrations
APPROVED

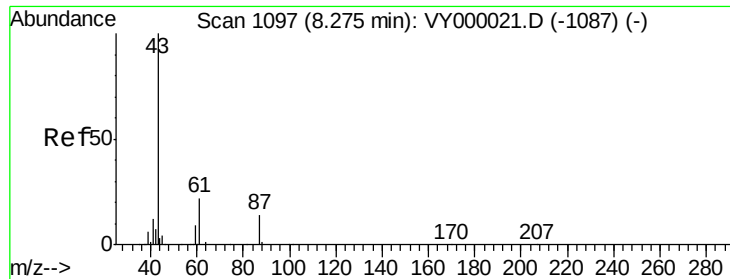
MMDadoda
9/13/2019 11:53:59 PM



#42
1,2-Dichloroethane
Concen: 3.574 ug/l
RT: 8.23 min Scan# 1090
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion:	62	Resp:	5520
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	23.2





#43

Isopropyl Acetate

Concen: 3.338 ug/l

RT: 8.27 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

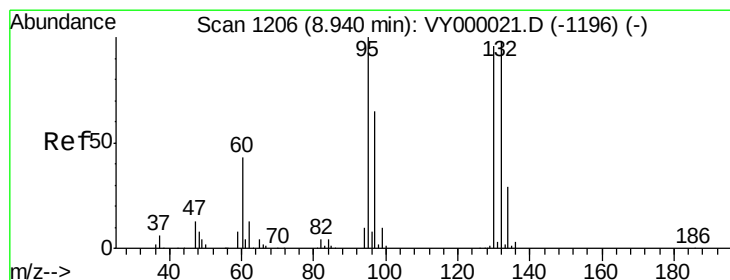
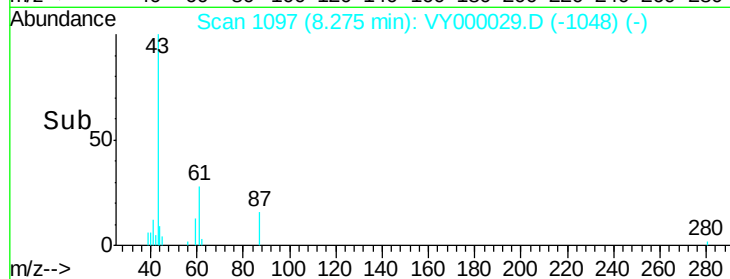
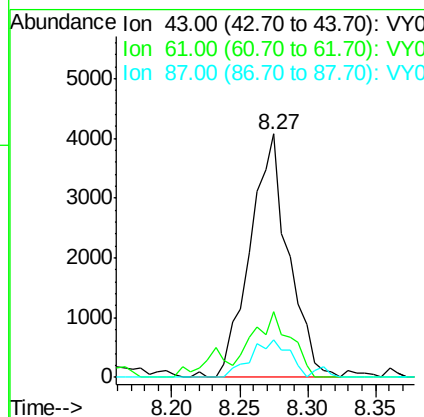
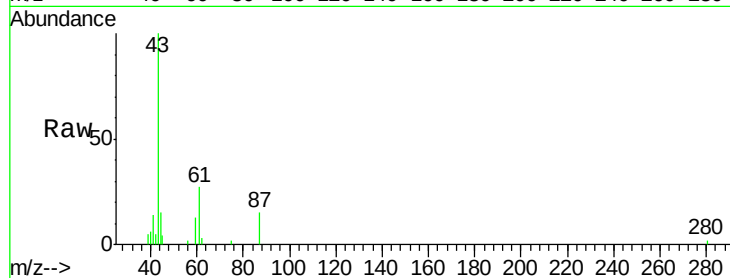
ClientSampled :

MDL2

Tot Ion:	43	Resp:	8099
Ion	Ratio	Lower	Upper
43	100		
61	26.4	24.9	37.3
87	15.3	12.3	18.5

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#44

Trichloroethene

Concen: 3.416 ug/l

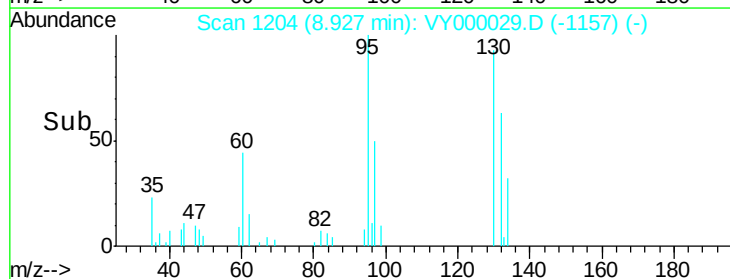
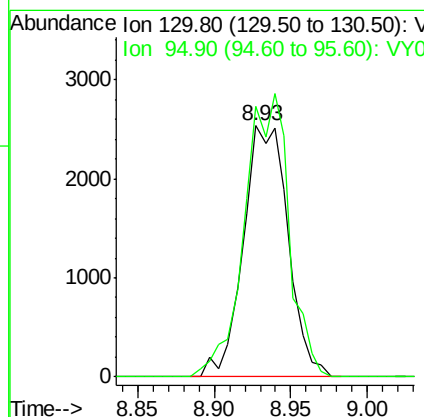
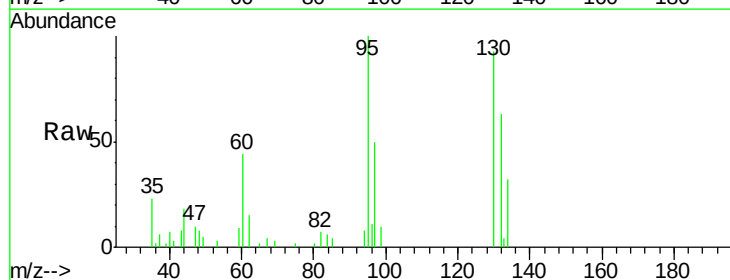
RT: 8.93 min Scan# 1204

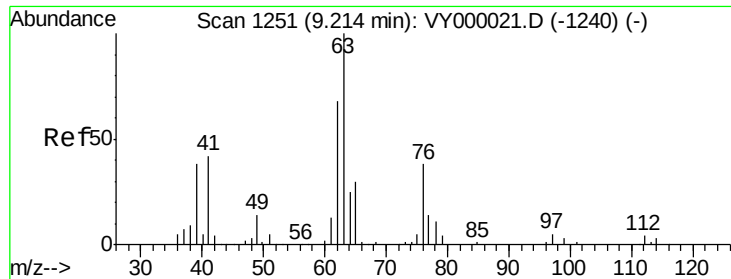
Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	130	Resp:	5155
Ion	Ratio	Lower	Upper
130	100		
95	107.8	0.0	207.4





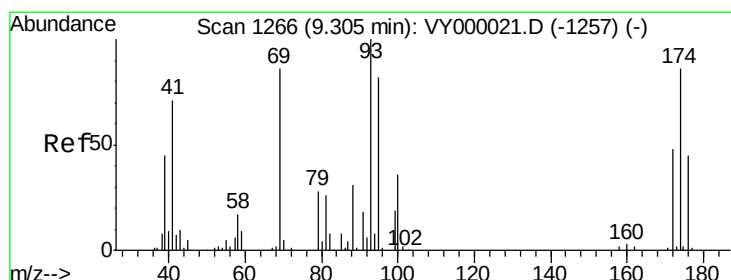
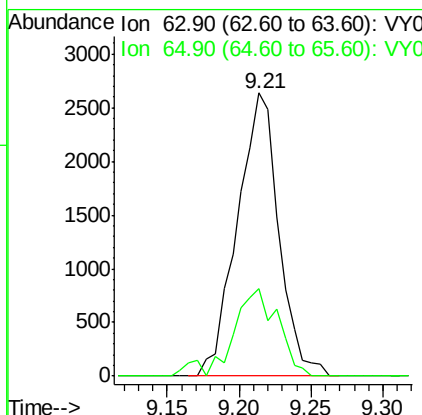
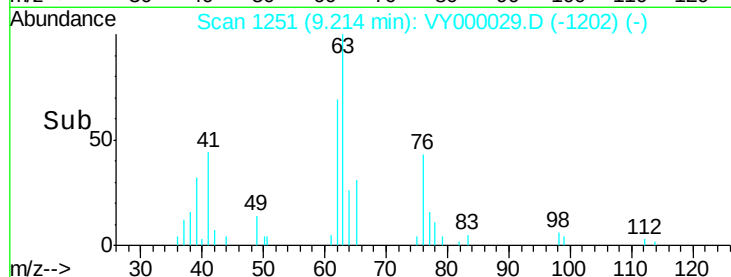
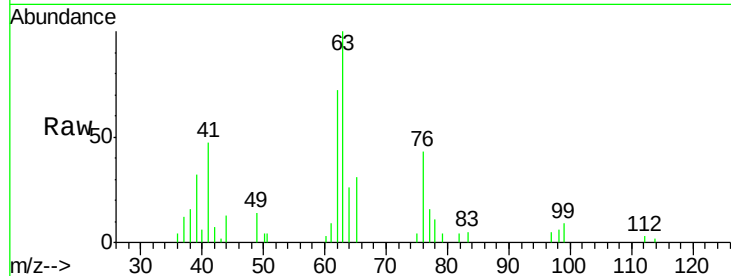
#45
 1,2-Dichloropropane
 Concen: 3.379 ug/l
 RT: 9.21 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion: 63 Resp: 5266
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.1 36.1

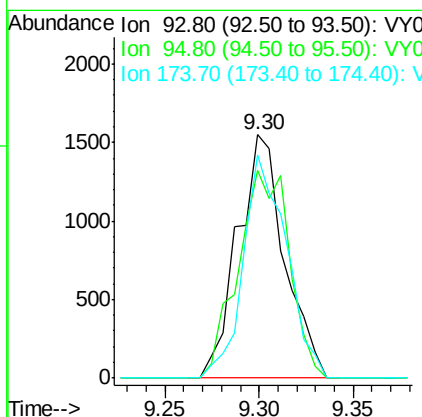
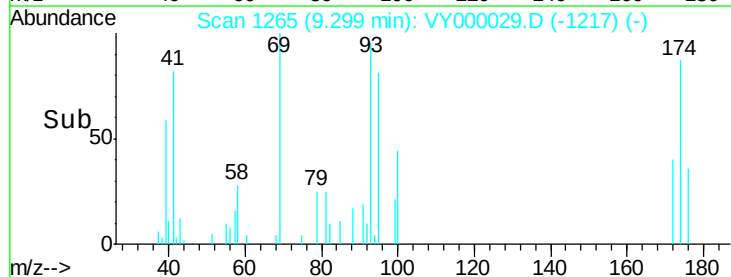
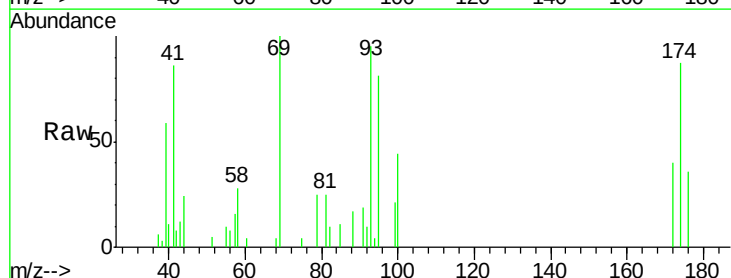
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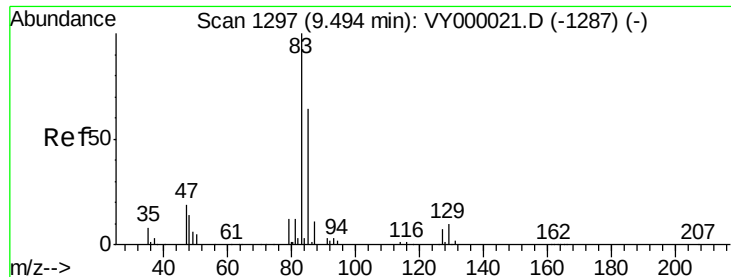
MMDadoda
 9/13/2019 11:53:59 PM



#46
 Dibromomethane
 Concen: 3.089 ug/l
 RT: 9.30 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion: 93 Resp: 2672
 Ion Ratio Lower Upper
 93 100
 95 93.2 67.0 100.6
 174 84.3 68.8 103.2





#47

Bromodichloromethane

Concen: 3.310 ug/l

RT: 9.49 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

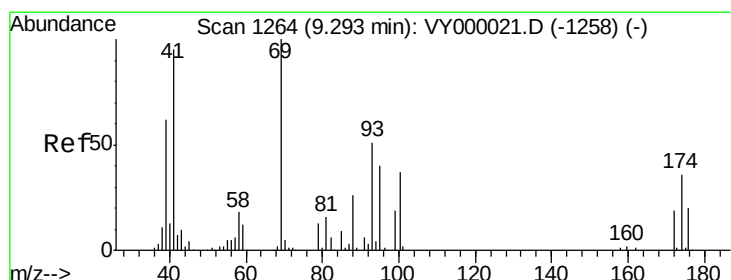
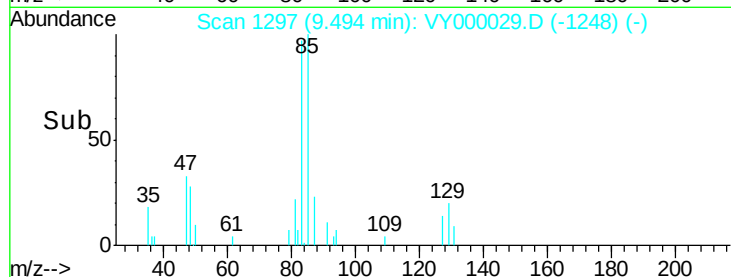
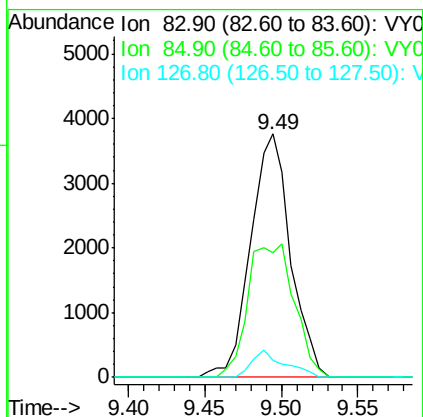
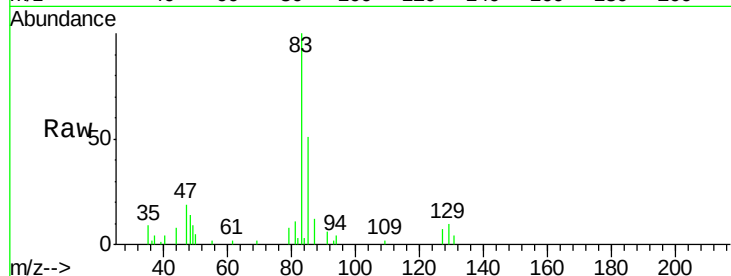
ClientSampled :

MDL2

Tot Ion:	83	Resp:	6835
Ion	Ratio	Lower	Upper
83	100		
85	51.2	51.4	77.2#
127	7.3	5.4	8.2

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 3.368 ug/l

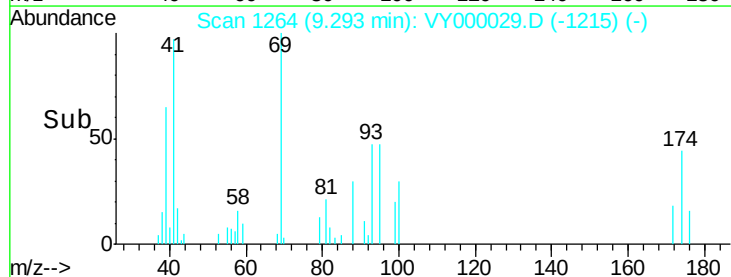
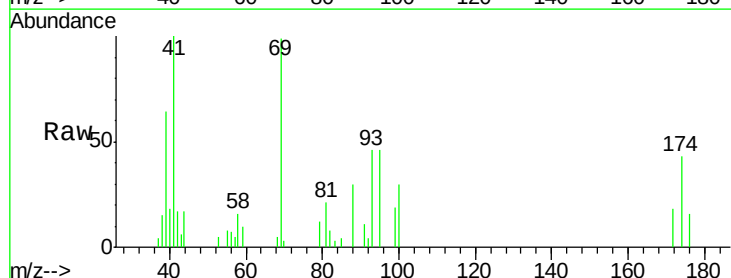
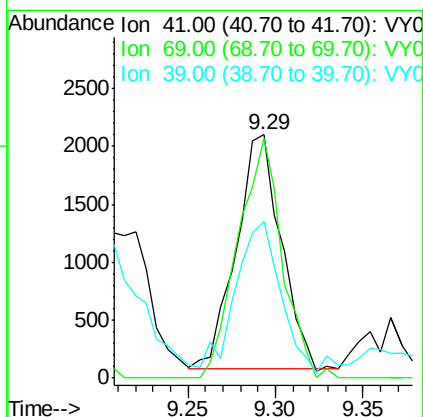
RT: 9.29 min Scan# 1264

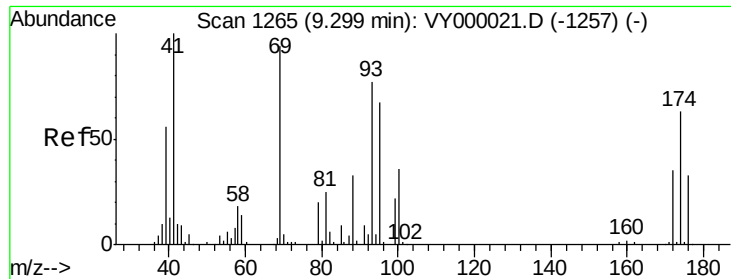
Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	41	Resp:	3605
Ion	Ratio	Lower	Upper
41	100		
69	101.1	79.7	119.5
39	69.4	48.6	72.8





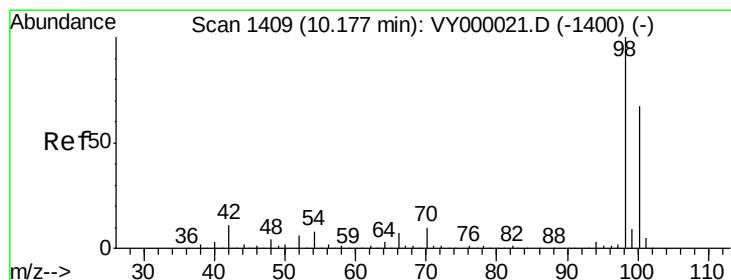
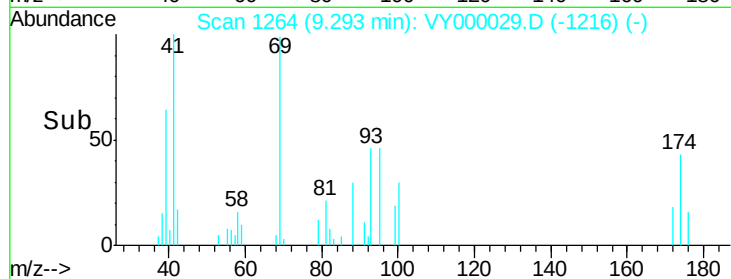
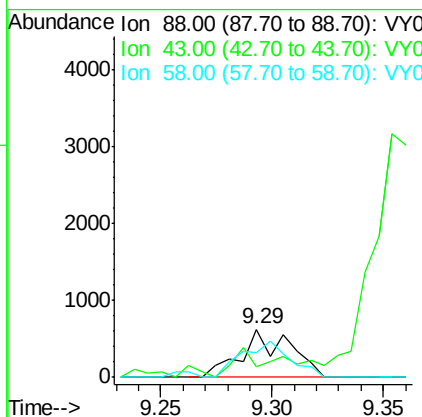
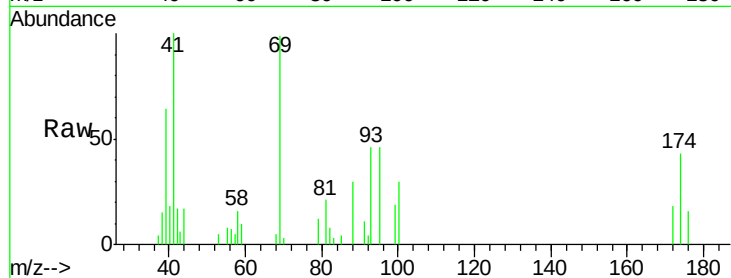
#49
 1,4-Dioxane
 Concen: 52.113 ug/l
 RT: 9.29 min Scan# 1264
 Delta R.T. -0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

Tot Ion	88	Resp	944
Ion	Ratio	Lower	Upper
88	100		
43	34.3	24.6	37.0
58	73.9	52.7	79.1

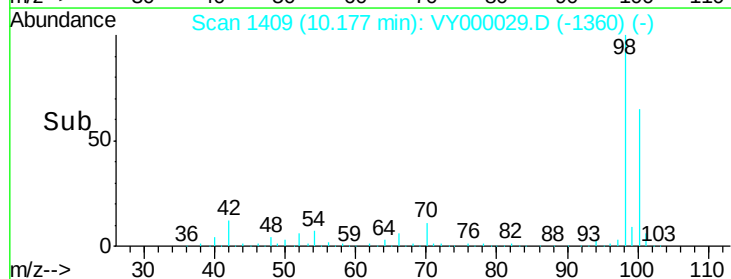
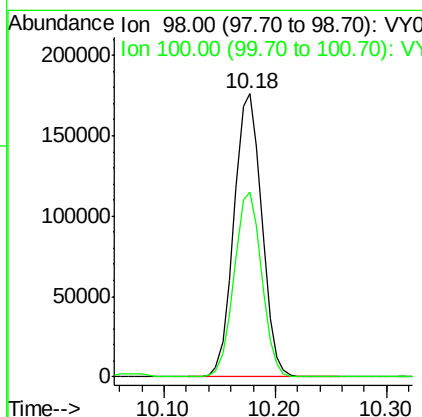
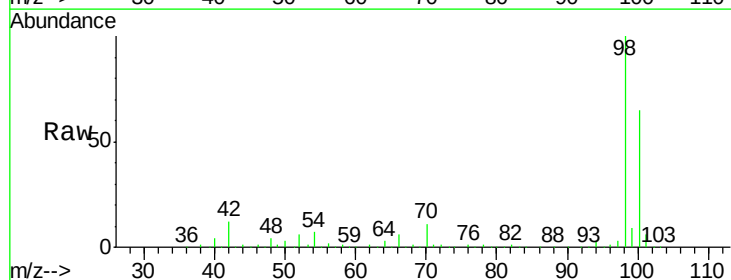
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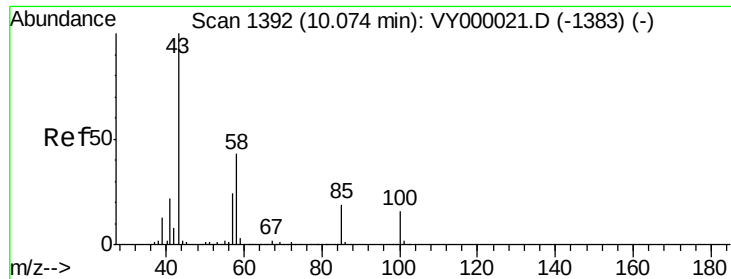
MMDadoda
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#50
 Toluene-d8
 Concen: 52.064 ug/l
 RT: 10.18 min Scan# 1409
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	98	Resp	304086
Ion	Ratio	Lower	Upper
98	100		
100	64.5	54.0	81.0





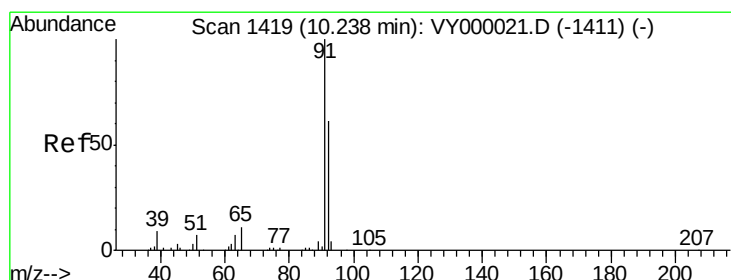
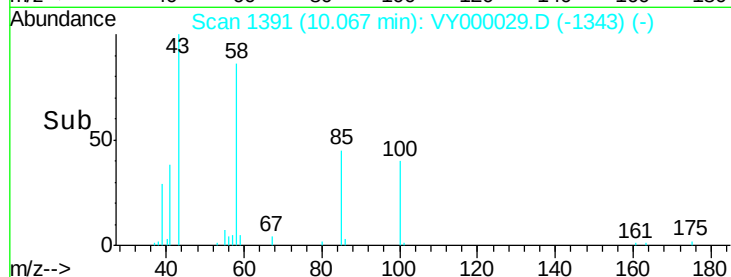
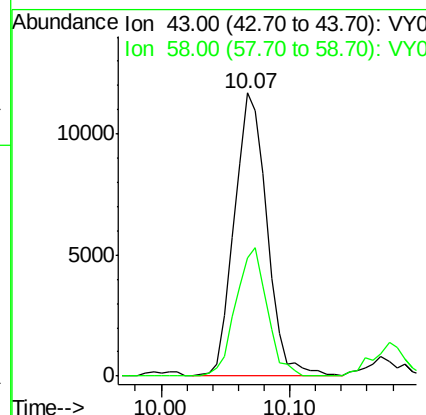
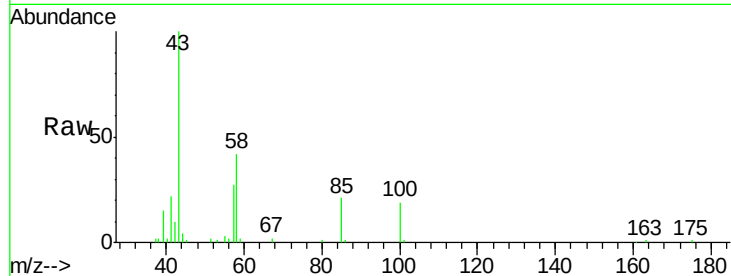
#51
4-Methyl-2-Pentanone
Concen: 15.186 ug/l
RT: 10.07 min Scan# 1391
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion: 43 Resp: 20643
Ion Ratio Lower Upper
43 100
58 43.6 34.1 51.1

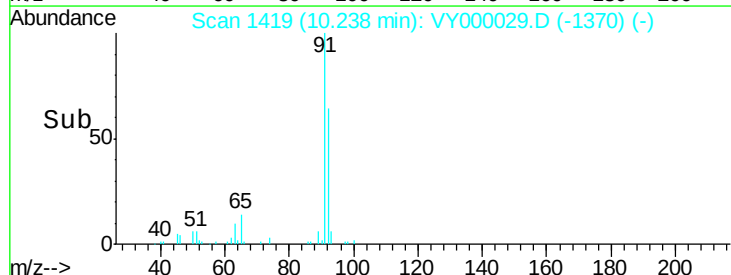
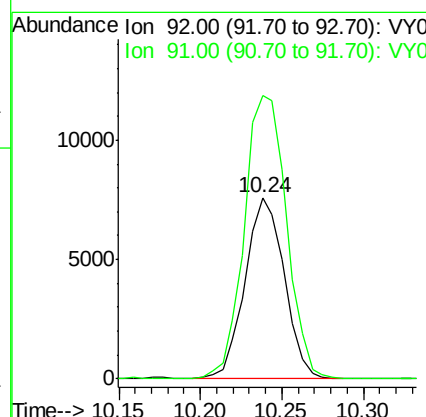
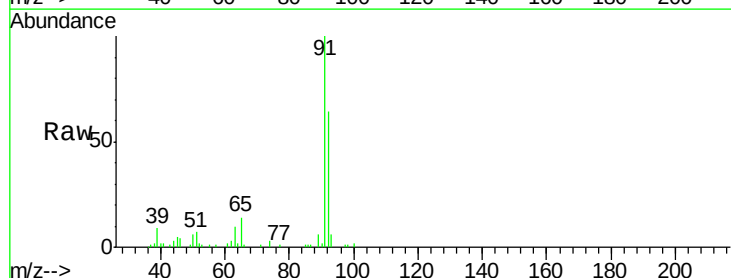
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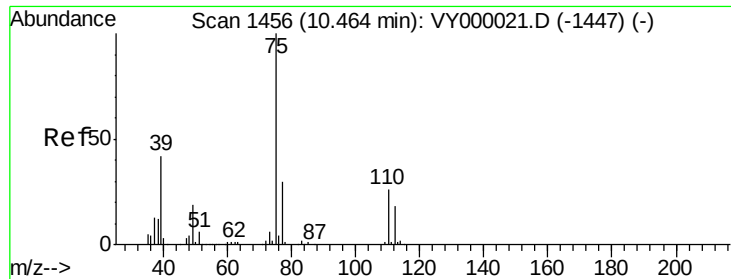
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#52
Toluene
Concen: 3.342 ug/l
RT: 10.24 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 92 Resp: 12692
Ion Ratio Lower Upper
92 100
91 168.4 136.4 204.6





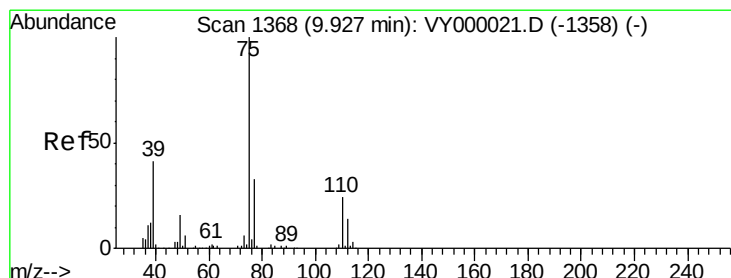
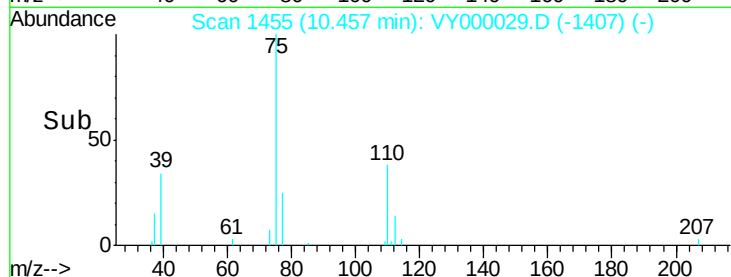
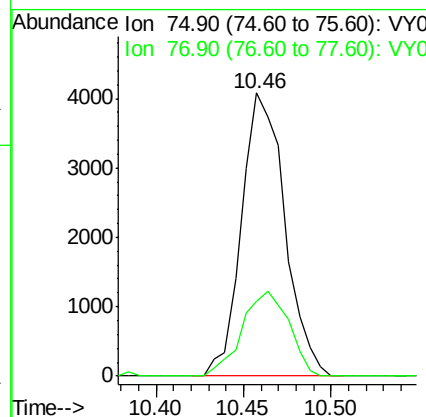
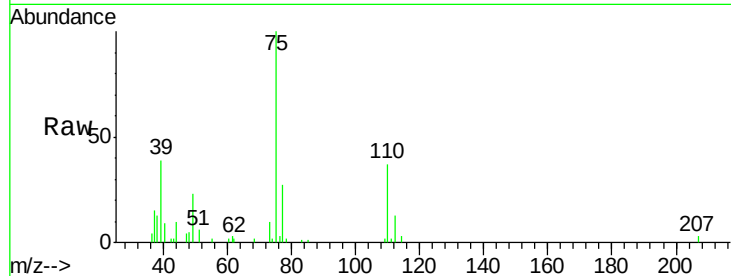
#53
t-1,3-Dichloropropene
Concen: 3.232 ug/l
RT: 10.46 min Scan# 1455
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion: 75 Resp: 7016
Ion Ratio Lower Upper
75 100
77 26.6 23.8 35.8

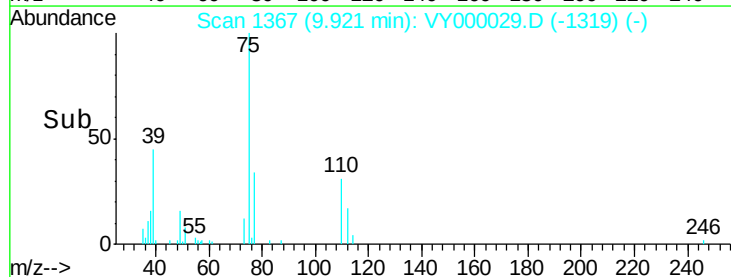
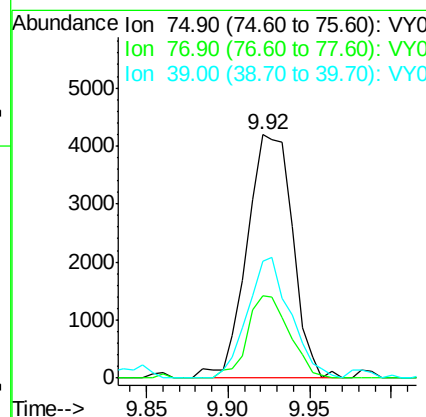
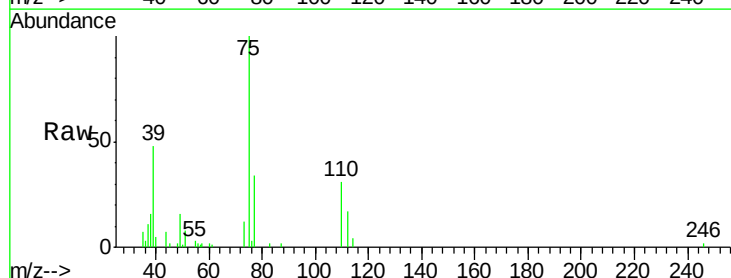
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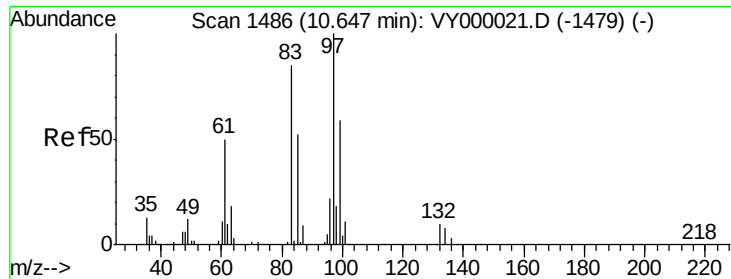
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#54
cis-1,3-Dichloropropene
Concen: 3.220 ug/l
RT: 9.92 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion: 75 Resp: 8135
Ion Ratio Lower Upper
75 100
77 34.0 26.3 39.5
39 47.9 32.9 49.3





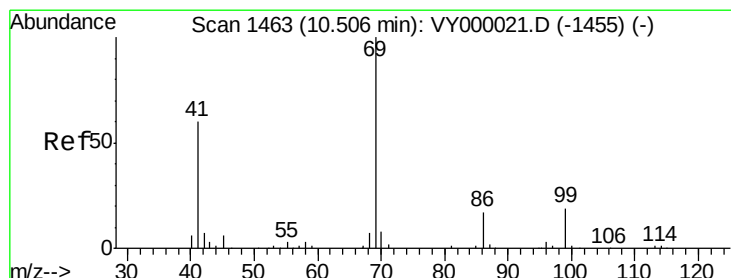
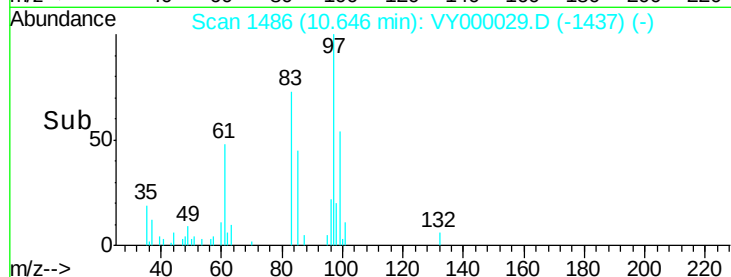
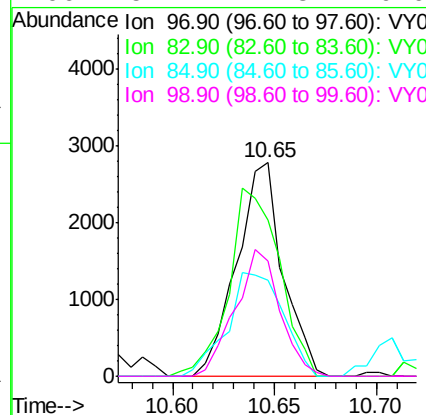
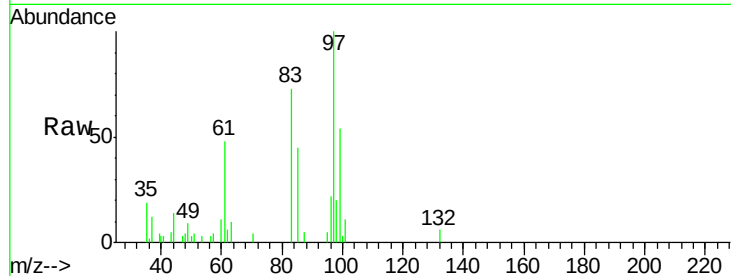
#55
 1,1,2-Trichloroethane
 Concen: 3.198 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		4384		
83	73.2	68.2	102.2		
85	45.2	41.7	62.5		
99	54.1	47.3	70.9		

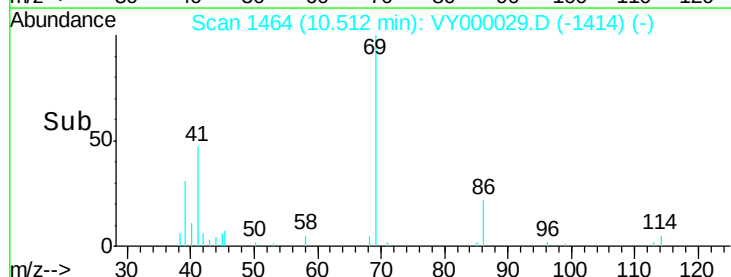
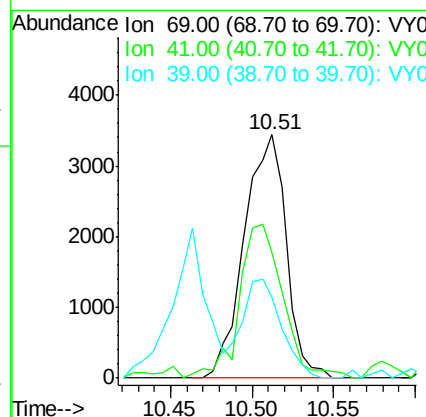
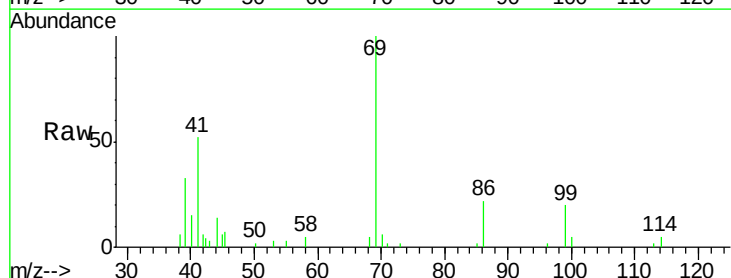
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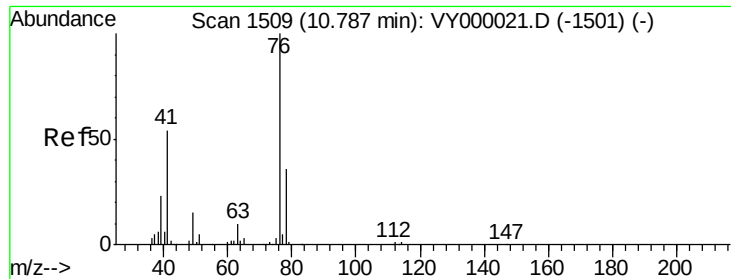
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 9/13/2019 11:53:59 PM



#56
 Ethyl methacrylate
 Concen: 3.206 ug/l
 RT: 10.51 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		6167		
41	65.3	47.0	70.4		
39	38.7	26.4	39.6		





#57

1,3-Dichloropropane

Concen: 3.235 ug/l

RT: 10.78 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 76 Resp: 7091

Ion Ratio Lower Upper

76 100

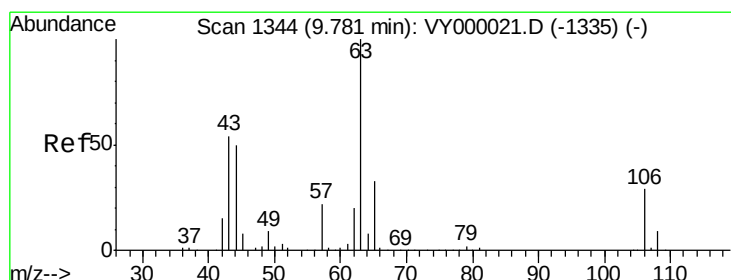
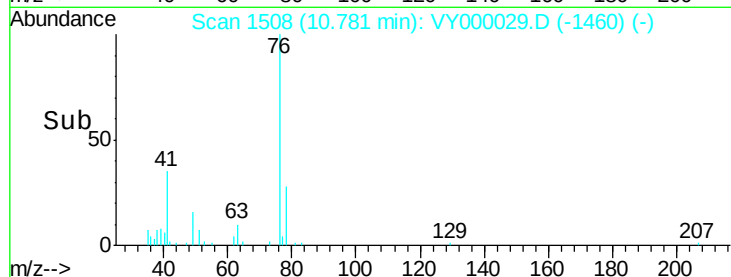
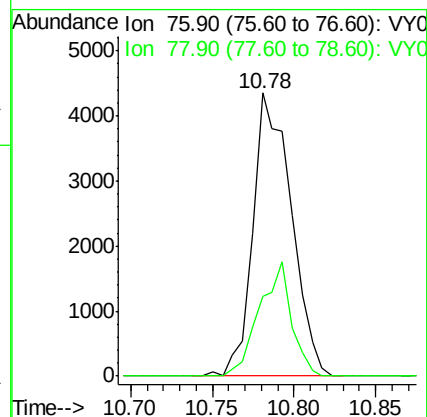
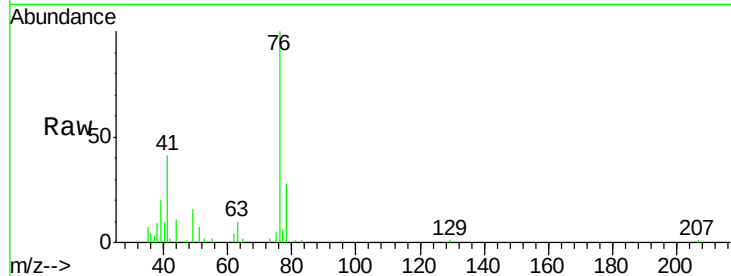
78 33.7 26.0 39.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 17.716 ug/l

RT: 9.78 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY000029.D

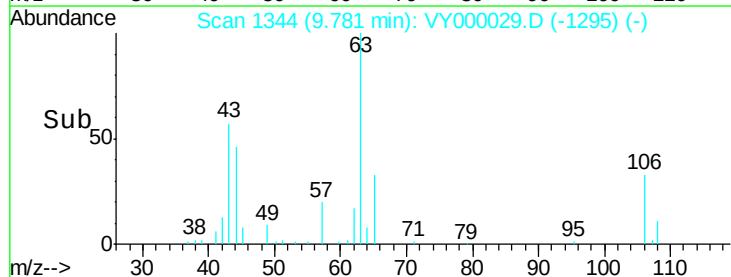
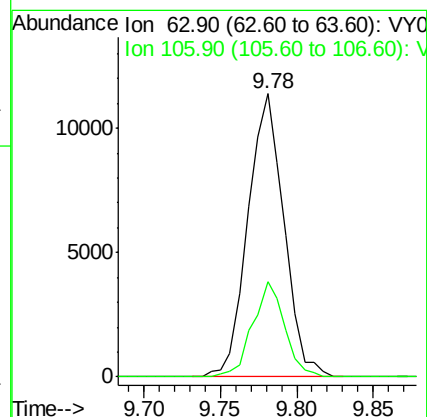
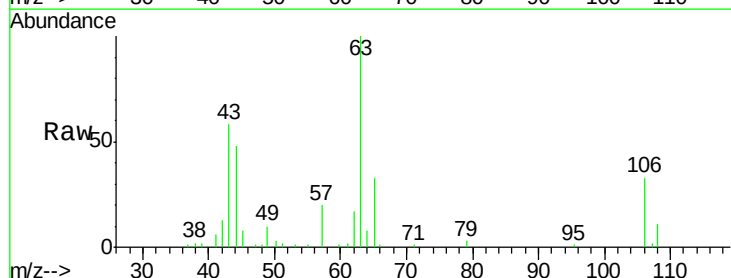
Acq: 12 Sep 2019 16:39

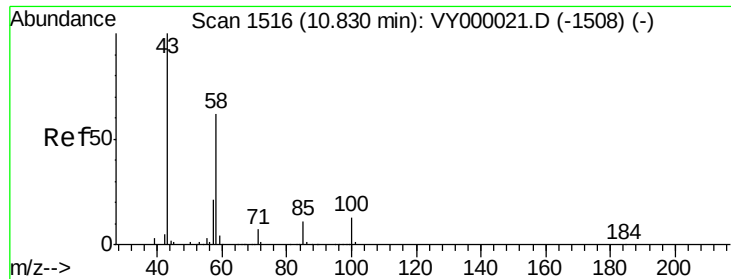
Tgt Ion: 63 Resp: 18668

Ion Ratio Lower Upper

63 100

106 29.8 23.7 35.5





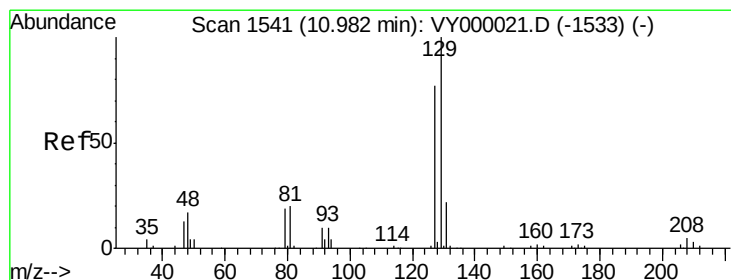
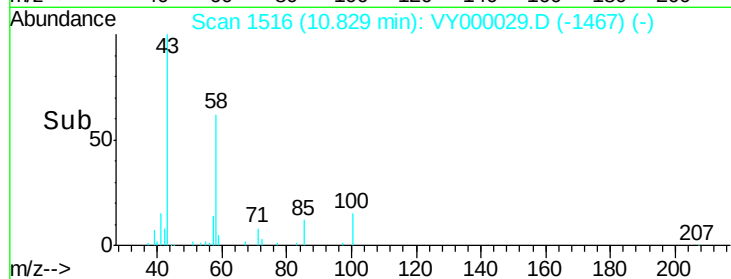
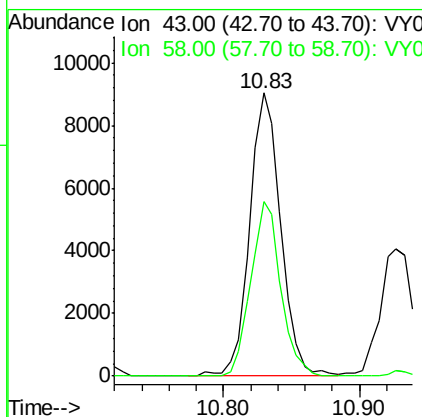
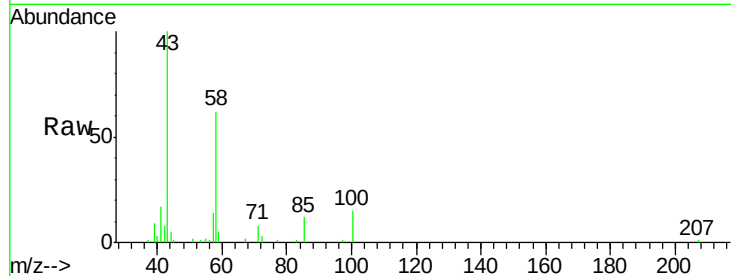
#59
2-Hexanone
Concen: 14.823 ug/l
RT: 10.83 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion	43	Resp	14521
Ion Ratio	100	Lower	Upper
43	100		
58	59.2	30.3	90.8

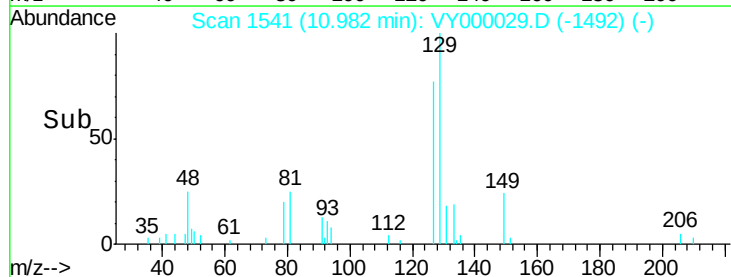
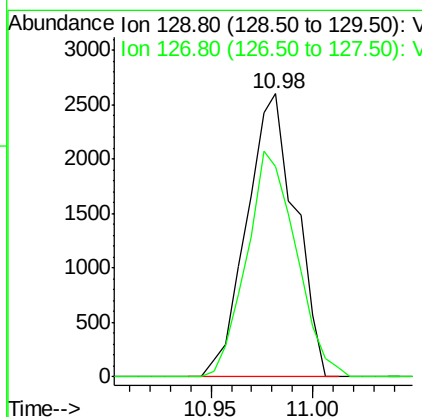
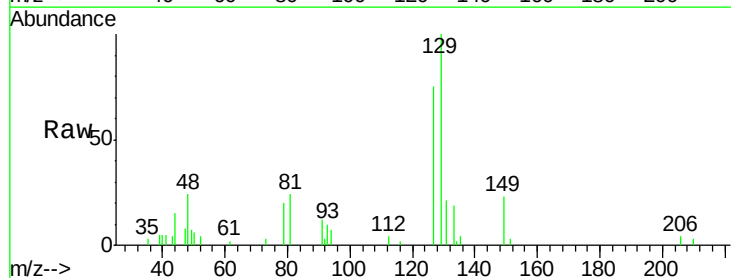
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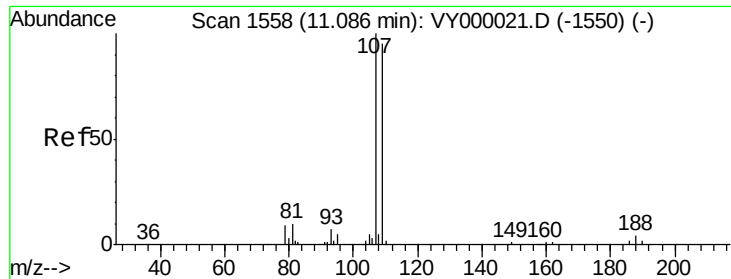
MMDadoda
9/13/2019 11:53:59 PM



#60
Dibromochloromethane
Concen: 2.999 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	129	Resp	4331
Ion Ratio	100	Lower	Upper
129	100		
127	80.8	38.4	115.2





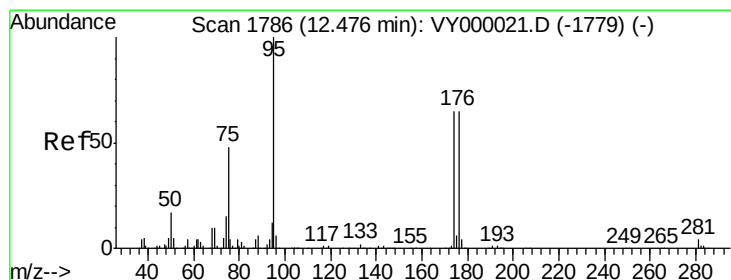
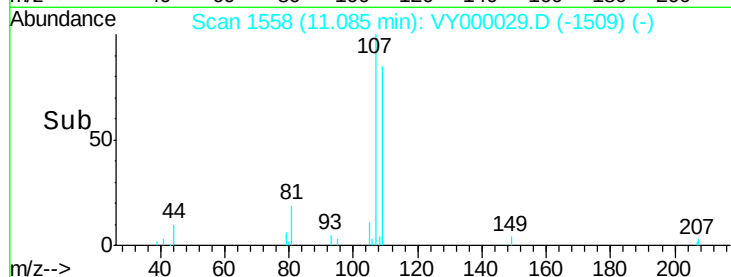
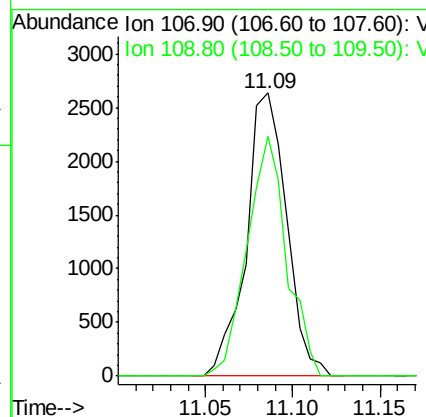
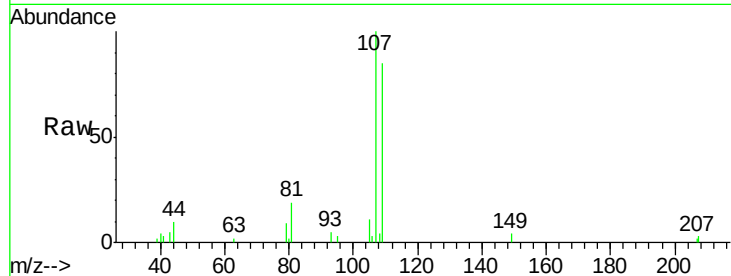
#61
 1,2-Dibromoethane
 Concen: 3.482 ug/l
 RT: 11.09 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion	Ratio	Lower	Upper
107	100		
109	83.0	76.7	115.1

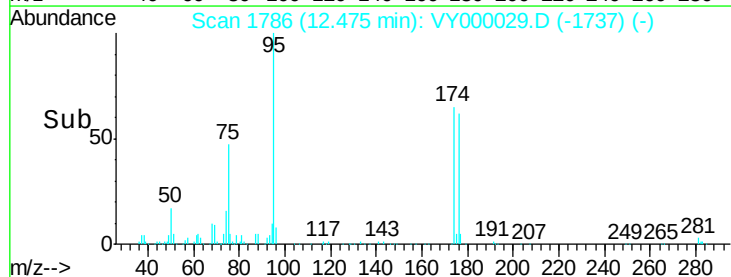
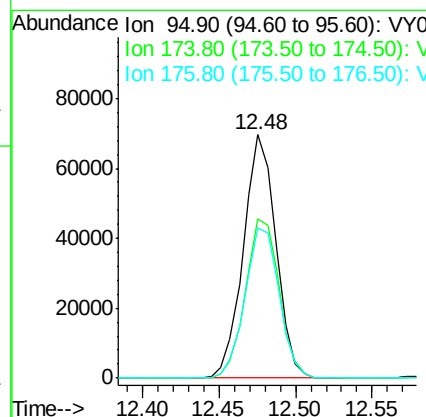
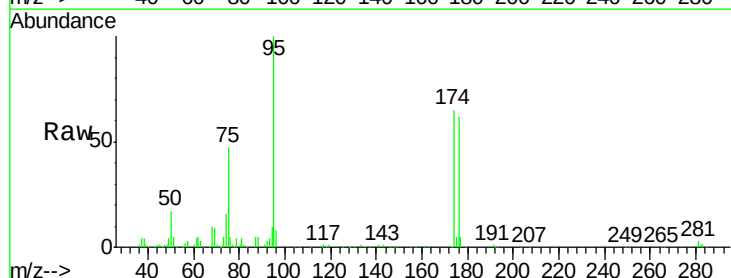
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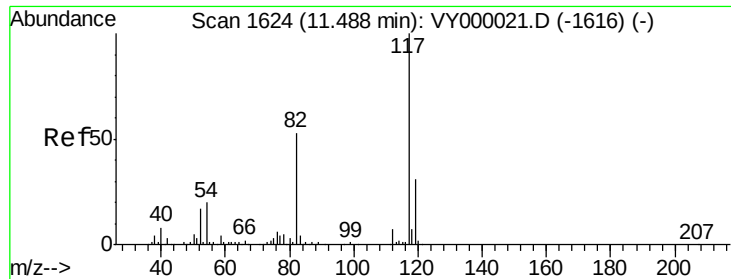
MMDadoda
 9/13/2019 11:53:59 PM



#62
 4-Bromofluorobenzene
 Concen: 48.591 ug/l
 RT: 12.48 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	137.6
176	64.9	0.0	134.8





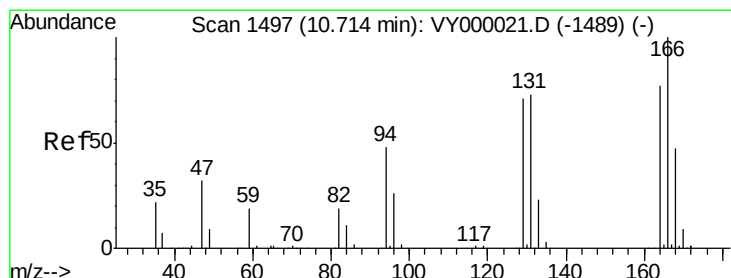
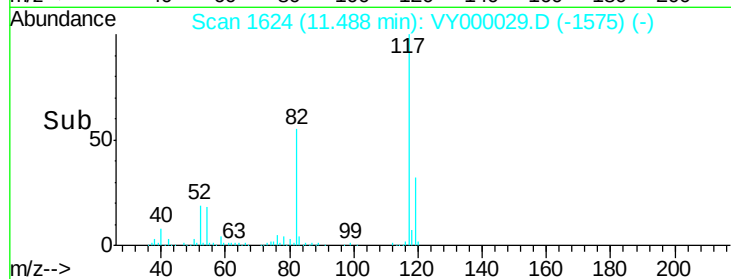
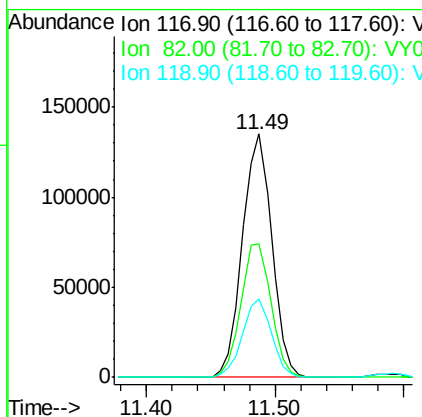
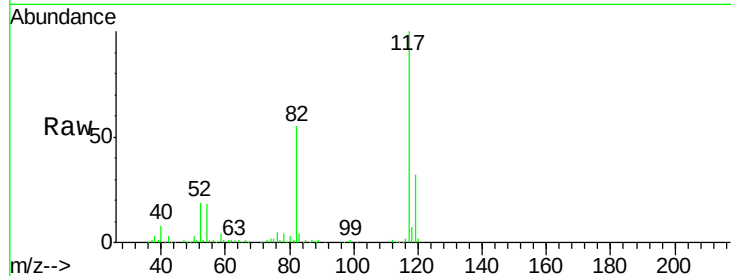
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1624
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion	Ratio	Resp	Lower	Upper
117	100	213030		
82	54.9	42.5	63.7	
119	32.0	25.1	37.7	

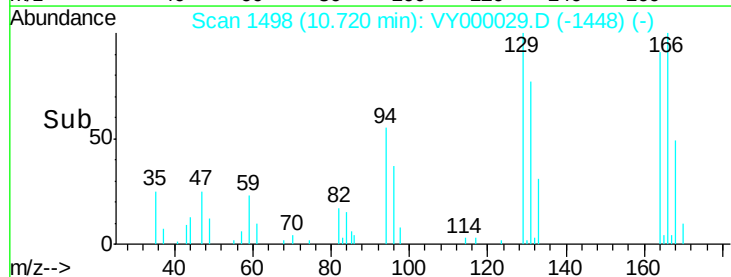
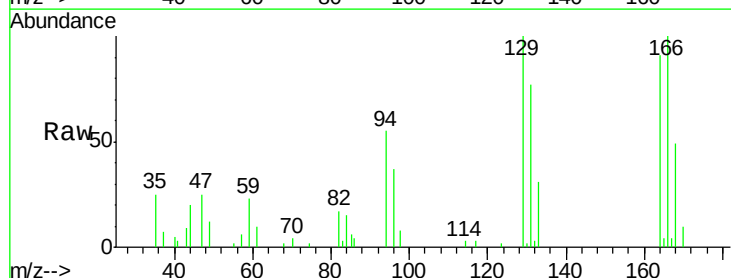
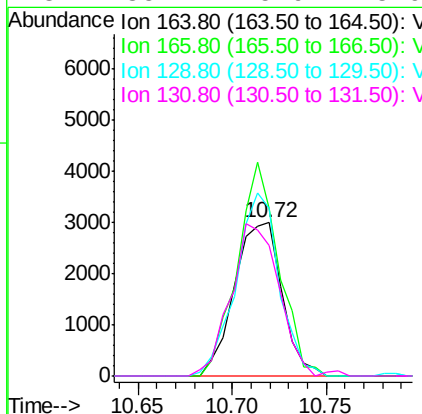
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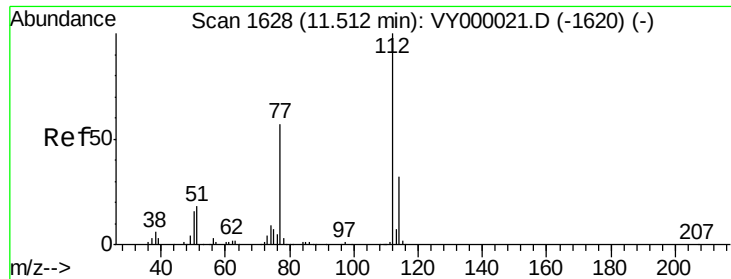
MMDadoda
9/13/2019 11:53:59 PM



#64
Tetrachloroethene
Concen: 4.014 ug/l
RT: 10.72 min Scan# 1498
Delta R.T. 0.01 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5244		
166	110.0	103.4	155.0	
129	109.5	73.4	110.0	
131	85.1	75.9	113.9	





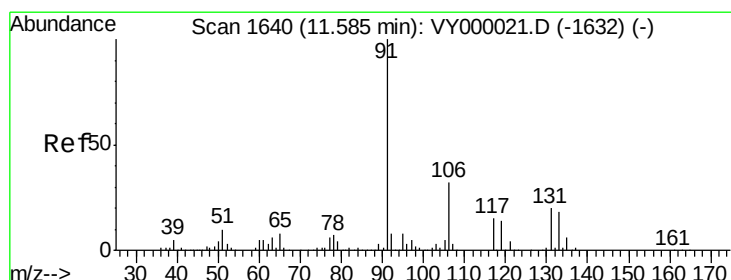
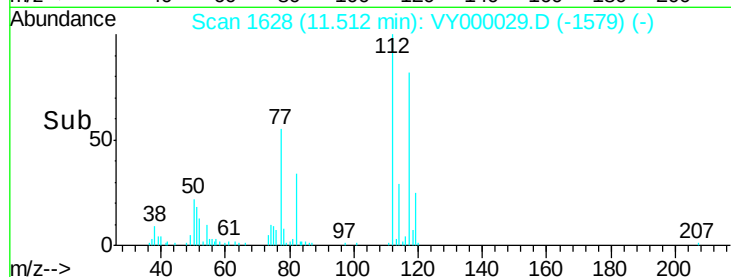
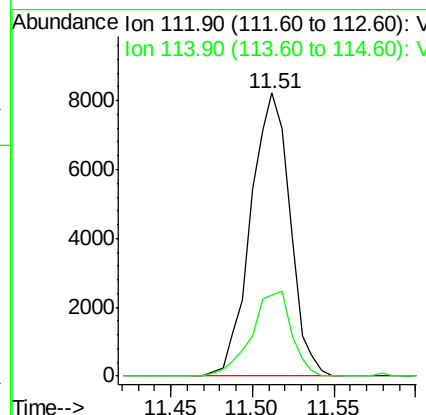
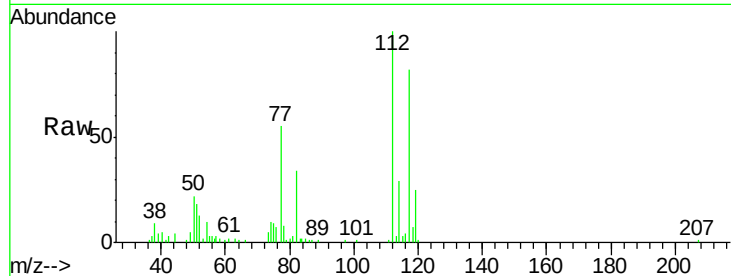
#65
Chlorobenzene
Concen: 3.407 ug/l
RT: 11.51 min Scan# 1628
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion:112 Resp: 13829
Ion Ratio Lower Upper
112 100
114 28.7 25.4 38.2

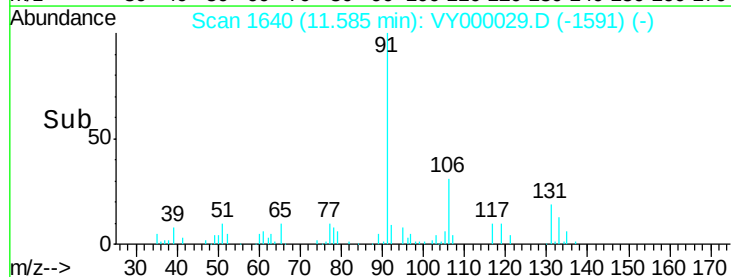
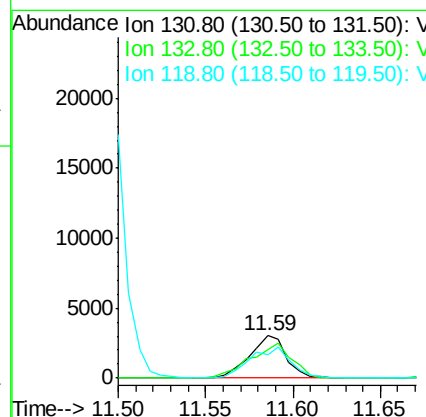
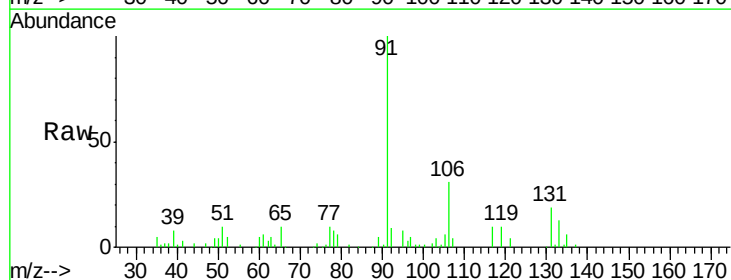
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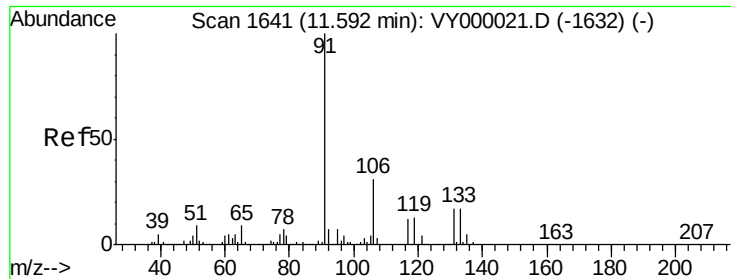
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 3.193 ug/l
RT: 11.59 min Scan# 1640
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion:131 Resp: 4491
Ion Ratio Lower Upper
131 100
133 92.4 47.2 141.6
119 80.2 35.4 106.3





#67

Ethyl Benzene

Concen: 3.492 ug/l

RT: 11.59 min Scan# 1641

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 91 Resp: 25750

Ion Ratio Lower Upper

91 100

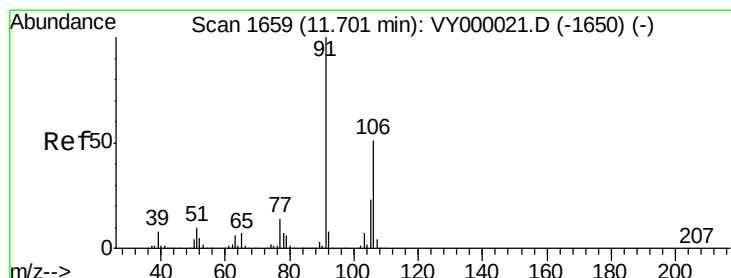
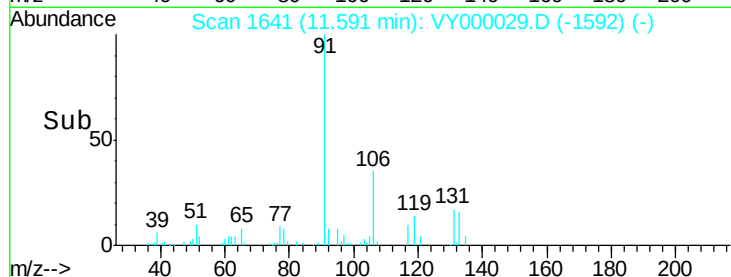
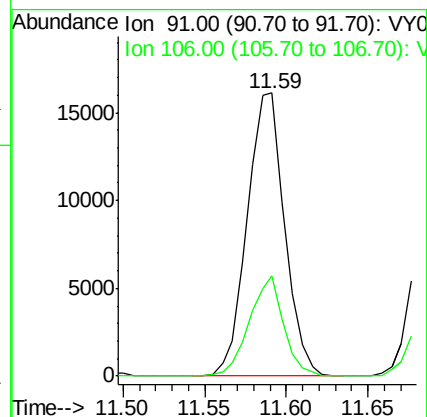
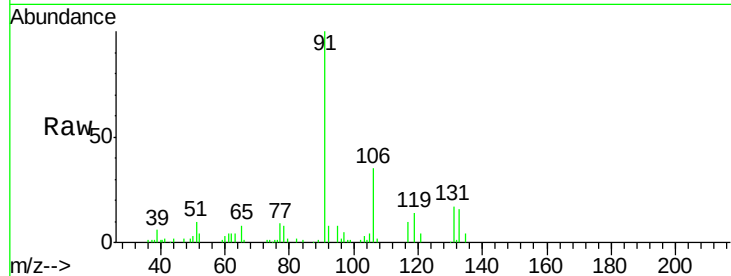
106 35.3 24.6 37.0

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#68

m/p-Xylenes

Concen: 6.912 ug/l

RT: 11.70 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VY000029.D

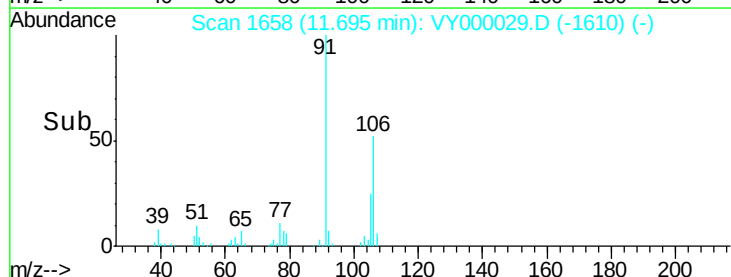
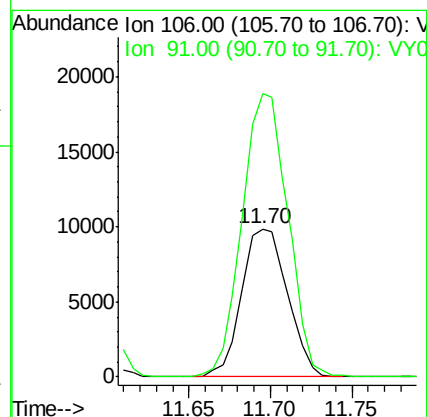
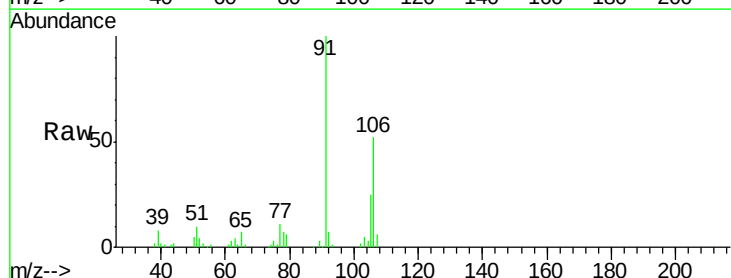
Acq: 12 Sep 2019 16:39

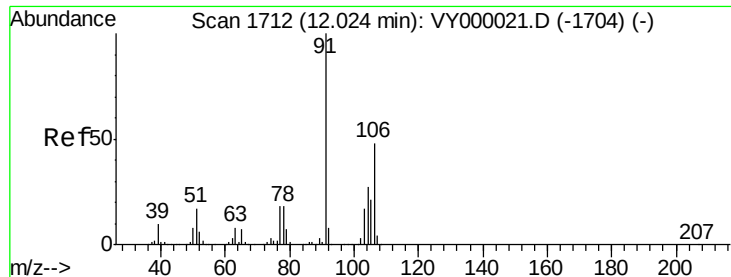
Tgt Ion: 106 Resp: 19235

Ion Ratio Lower Upper

106 100

91 191.5 158.5 237.7





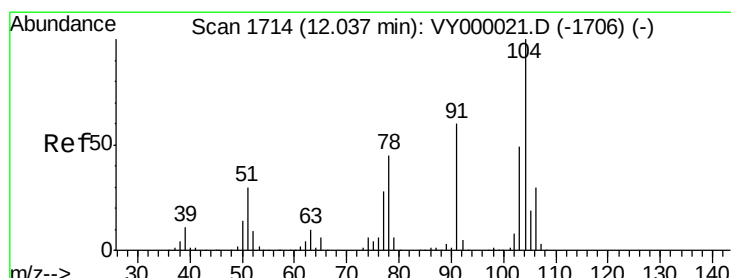
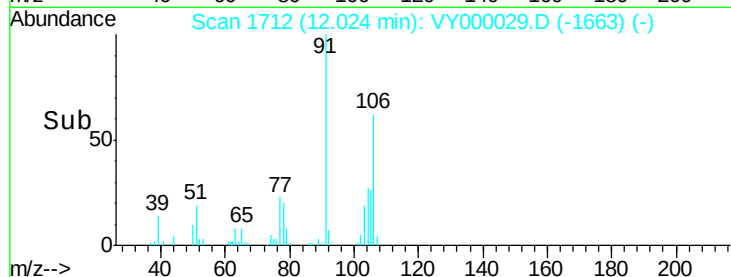
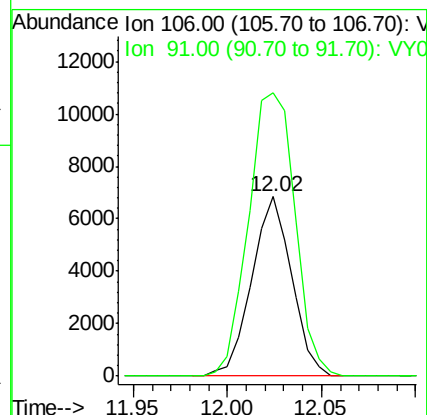
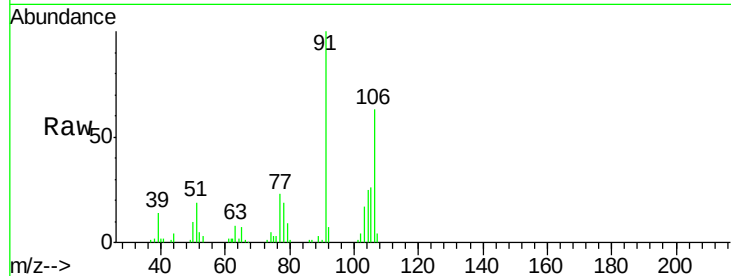
#69
o-Xylene
Concen: 3.692 ug/l
RT: 12.02 min Scan# 1712
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion:106 Resp: 10069
Ion Ratio Lower Upper
106 100
91 183.1 104.0 312.0

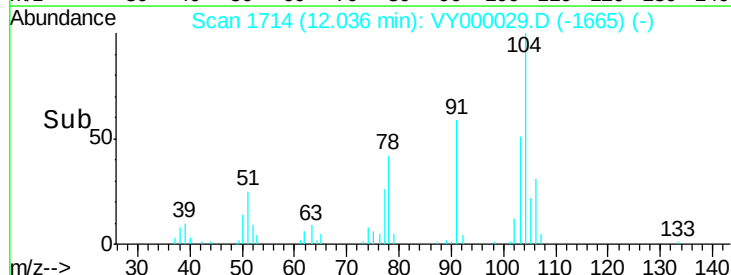
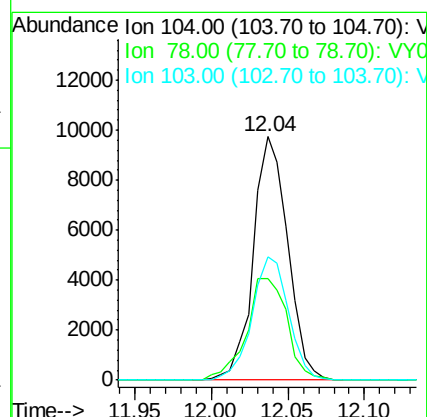
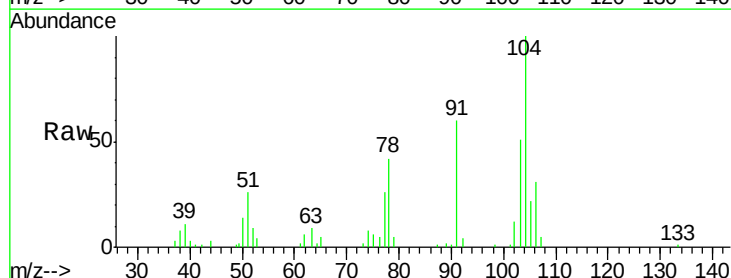
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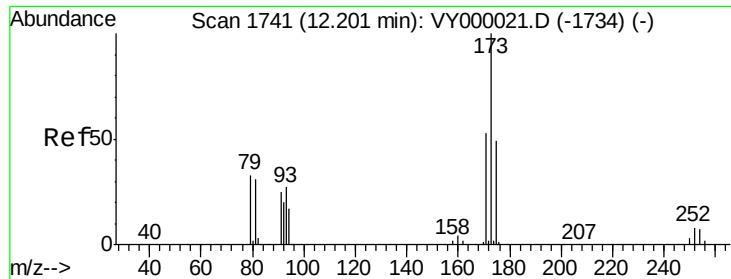
MMDadoda
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#70
Styrene
Concen: 3.209 ug/l
RT: 12.04 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion:104 Resp: 15227
Ion Ratio Lower Upper
104 100
78 49.5 38.0 57.0
103 54.1 42.4 63.6





#71

Bromoform

Concen: 2.903 ug/l

RT: 12.20 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

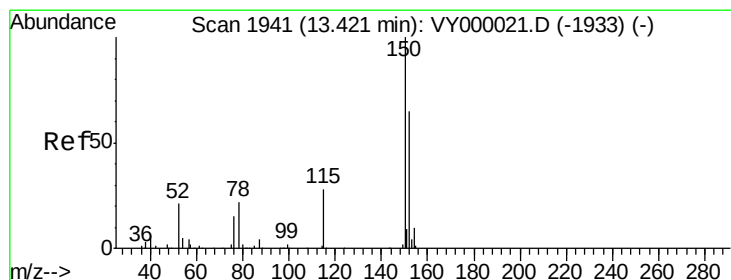
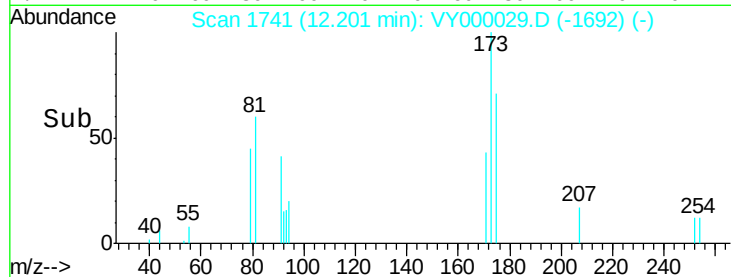
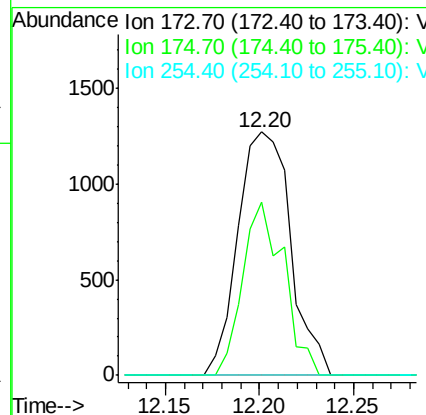
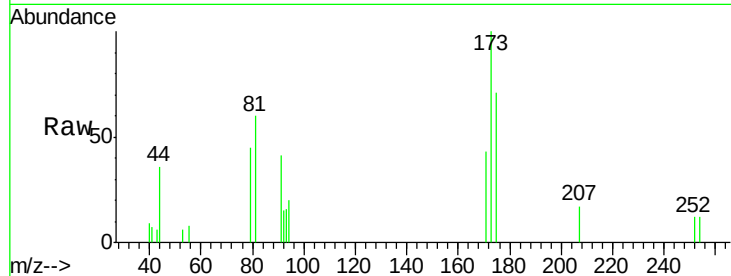
ClientSampleId :

MDL2

Tot Ion	Ratio	Lower	Upper
173	100		
175	55.5	25.1	75.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

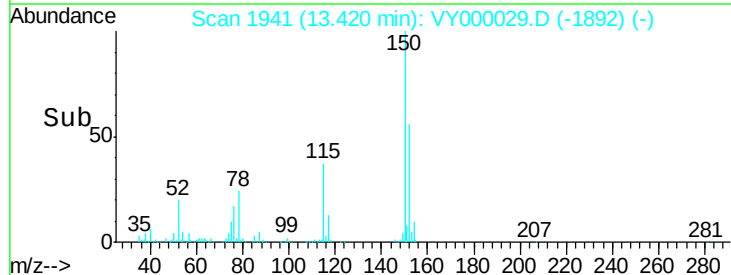
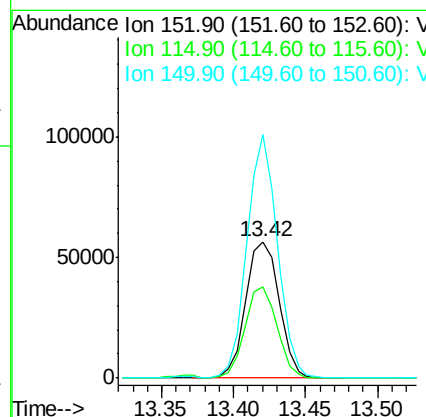
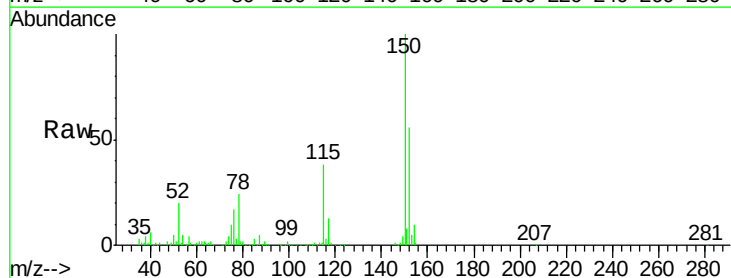
RT: 13.42 min Scan# 1941

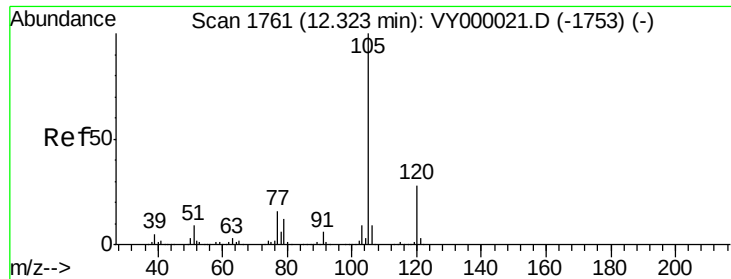
Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.8	29.4	88.2
150	161.7	0.0	349.0





#73

Isopropylbenzene

Concen: 3.269 ug/l

RT: 12.32 min Scan# 1761

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion:105 Resp: 22723

Ion Ratio Lower Upper

105 100

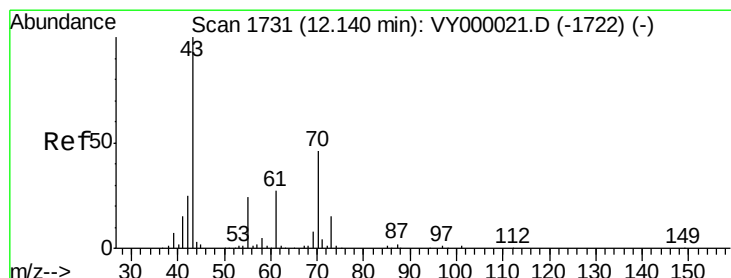
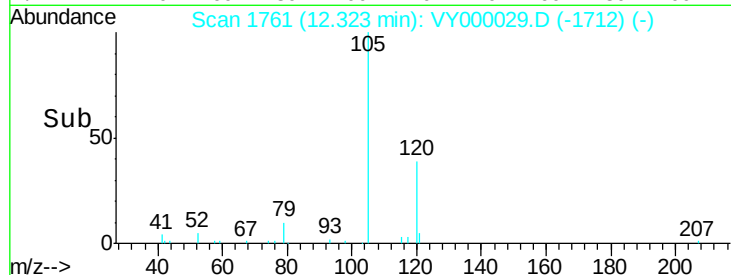
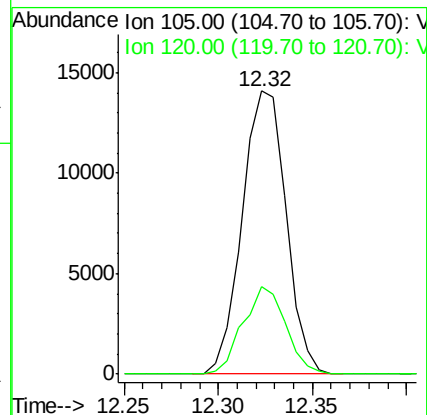
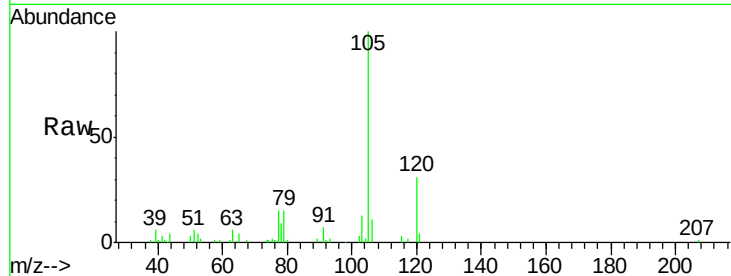
120 30.1 13.9 41.6

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#74

N-ethyl acetate

Concen: 2.820 ug/l

RT: 12.13 min Scan# 1730

Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion: 43 Resp: 5786

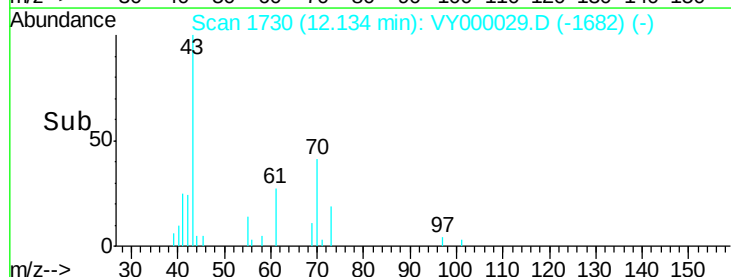
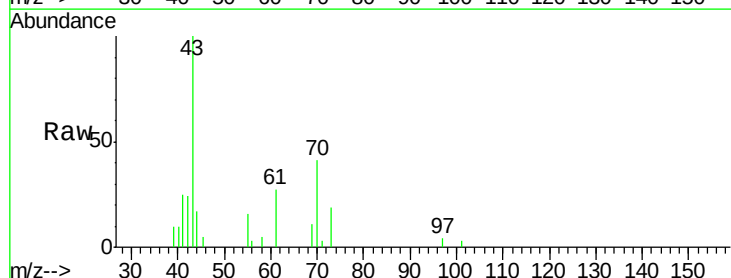
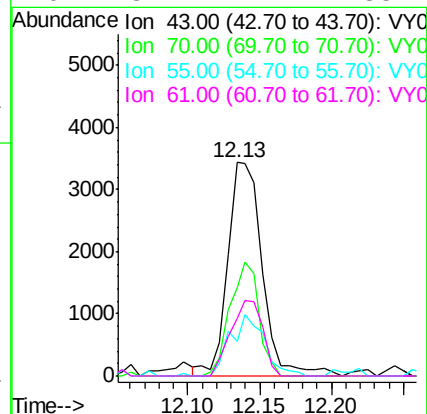
Ion Ratio Lower Upper

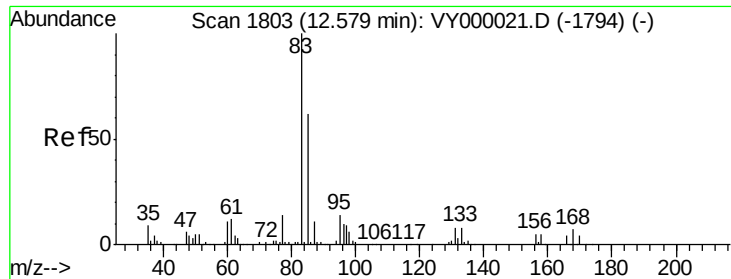
43 100

70 44.7 38.1 57.1

55 28.2 18.7 28.1#

61 32.7 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.951 ug/l

RT: 12.58 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

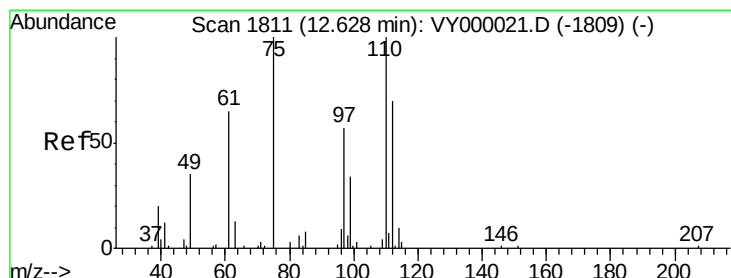
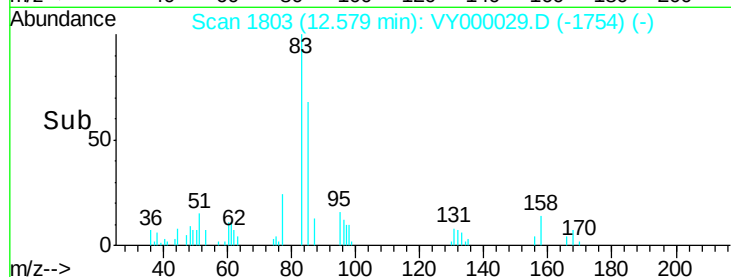
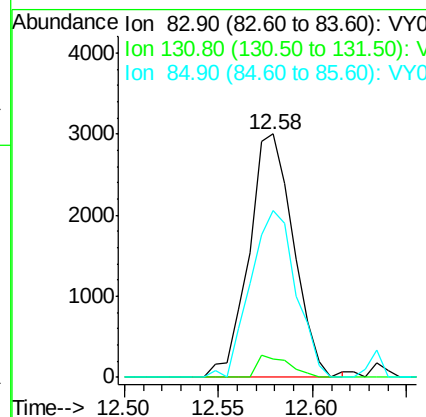
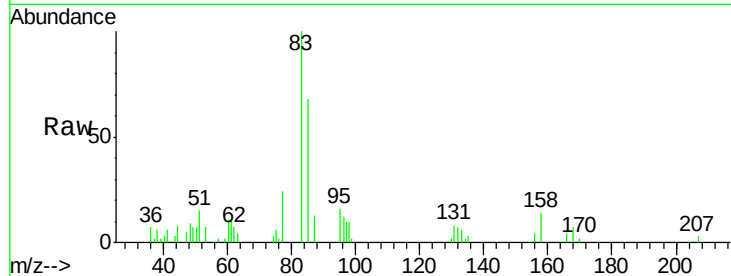
ClientSampleId :

MDL2

Tot Ion	Ratio	Lower	Upper
83	100		
131	6.5	4.6	13.8
85	69.9	31.8	95.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 3.451 ug/l m

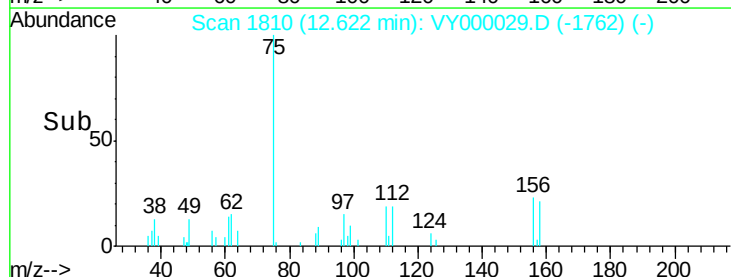
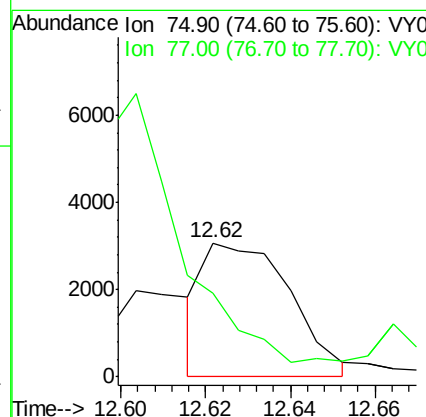
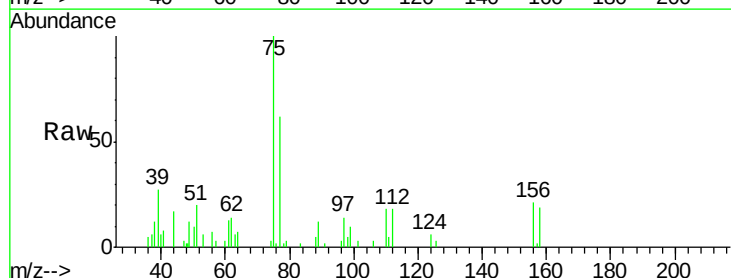
RT: 12.62 min Scan# 1810

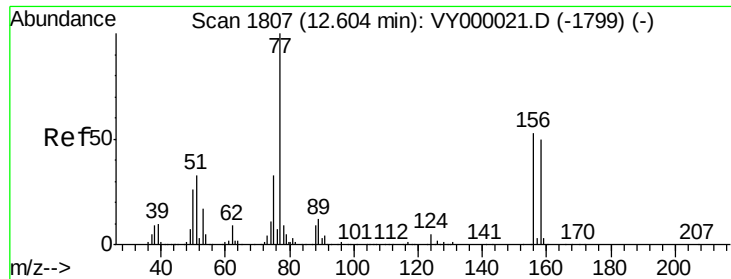
Delta R.T. -0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	252.0	0.0	0.0#





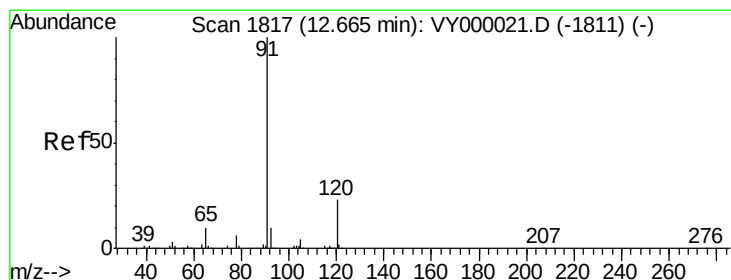
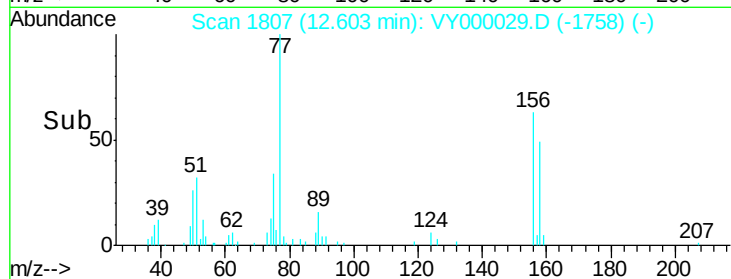
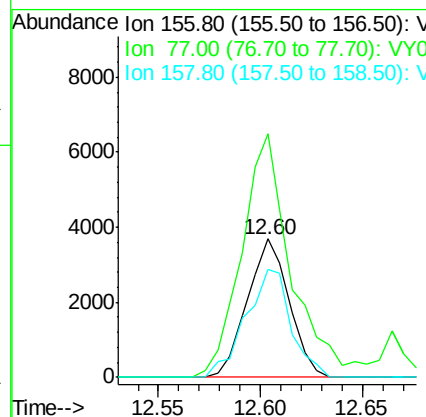
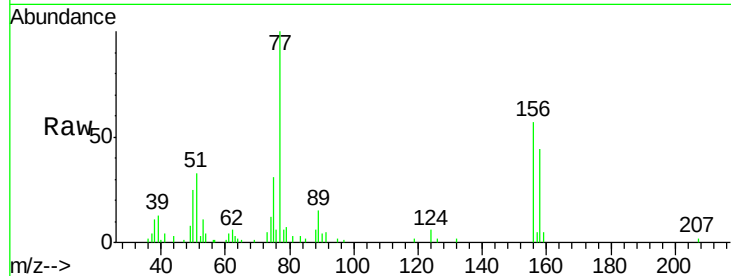
#77
Bromobenzene
Concen: 3.574 ug/l
RT: 12.60 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampled :
MDL2

Tot Ion	Ratio	Lower	Upper
156	100		
77	209.1	106.0	317.9
158	84.6	47.3	141.9

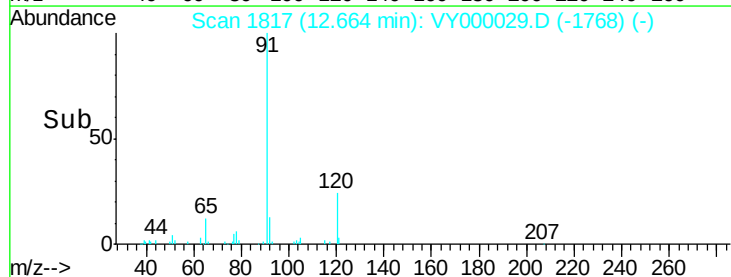
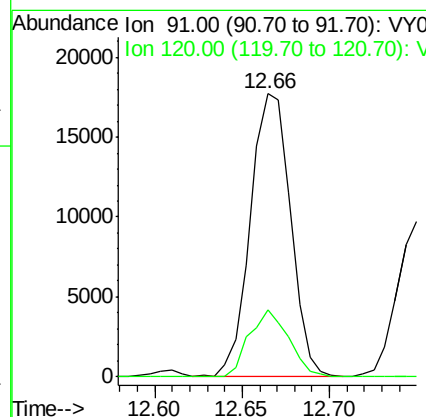
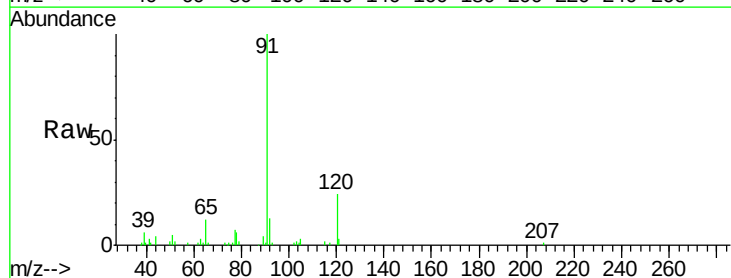
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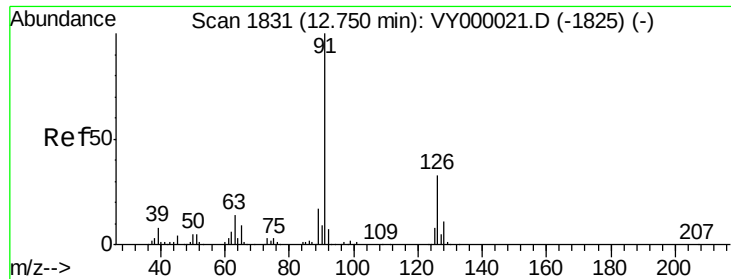
MMDadoda
9/13/2019 11:53:59 PM



#78
n-propylbenzene
Concen: 3.333 ug/l
RT: 12.66 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.6	34.7





#79

2-Chlorotoluene

Concen: 3.410 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampled :

MDL2

Tot Ion: 91 Resp: 16199

Ion Ratio Lower Upper

91 100

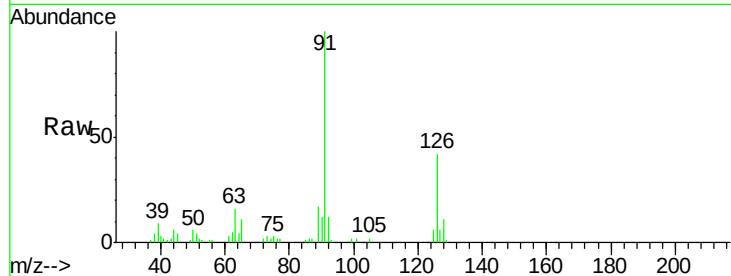
126 33.5 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY000021.D (-1825) (-)

Ion 125.90 (125.60 to 126.60): VY000021.D (-1825) (-)

12.75

12.75

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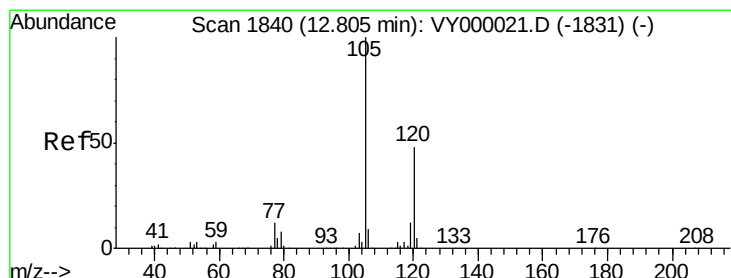
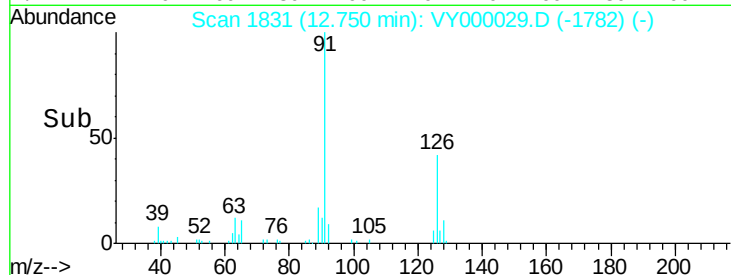
12.75

12.75

12.75

12.75

12.75



#80

1,3,5-Trimethylbenzene

Concen: 3.324 ug/l

RT: 12.80 min Scan# 1840

Delta R.T. -0.00 min

Lab File: VY000029.D

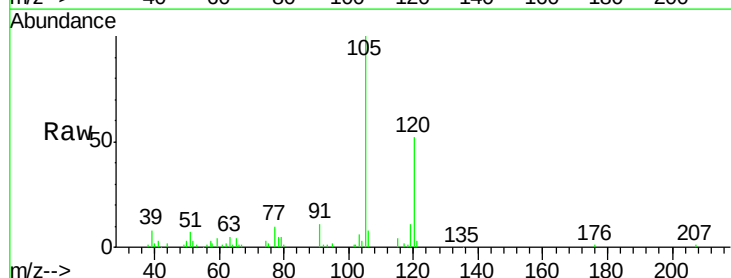
Acq: 12 Sep 2019 16:39

Tgt Ion:105 Resp: 19294

Ion Ratio Lower Upper

105 100

120 52.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VY000021.D (-1831) (-)

Ion 120.00 (119.70 to 120.70): VY000021.D (-1831) (-)

12.80

12.80

12.80

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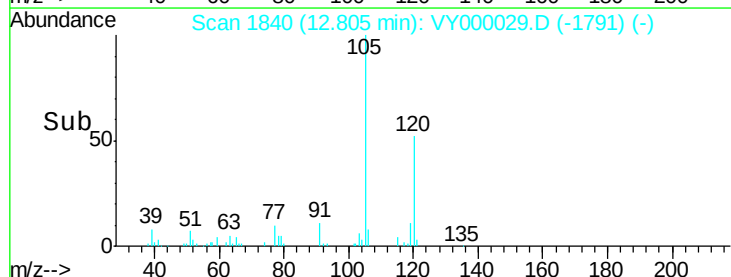
12.80

12.80

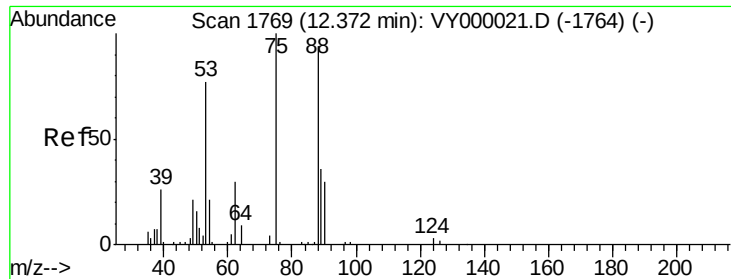
12.80

12.80

12.80



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 3.215 ug/l

RT: 12.38 min Scan# 1770

Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

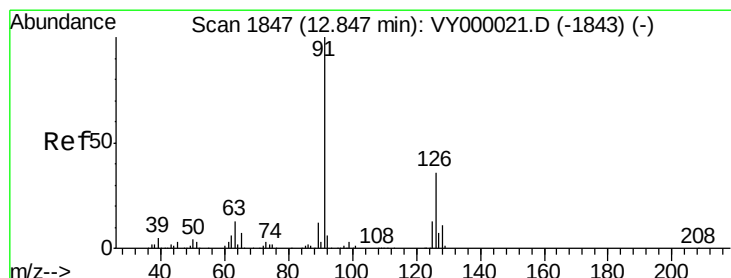
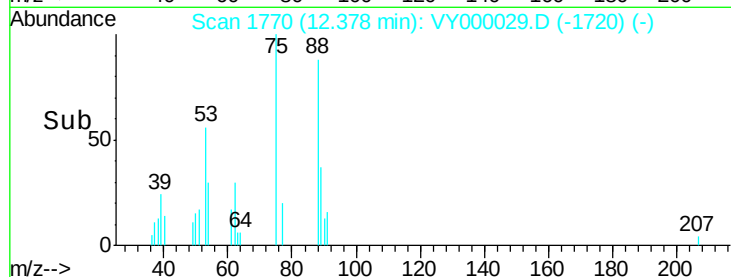
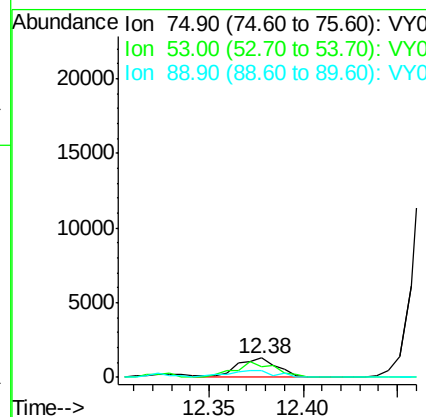
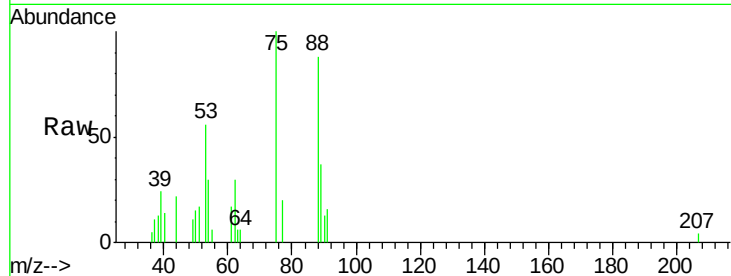
ClientSampleId :

MDL2

Tot Ion:	75	Resp:	2048
Ion	Ratio	Lower	Upper
75	100		
53	76.5	64.2	96.2
89	40.0	35.5	53.3

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#82

4-Chlorotoluene

Concen: 3.436 ug/l

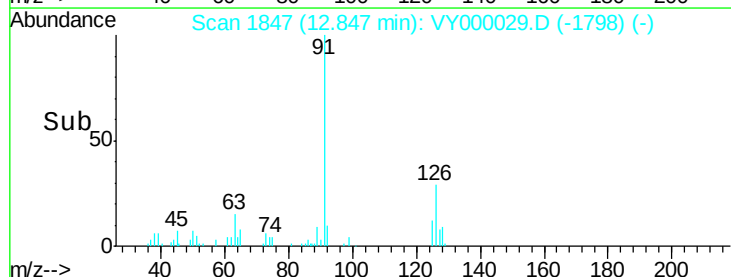
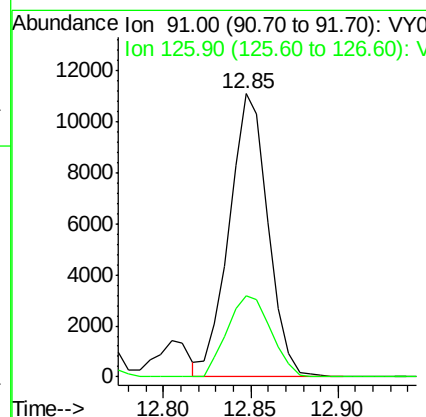
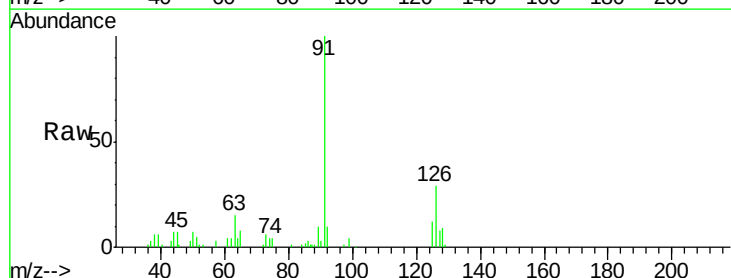
RT: 12.85 min Scan# 1847

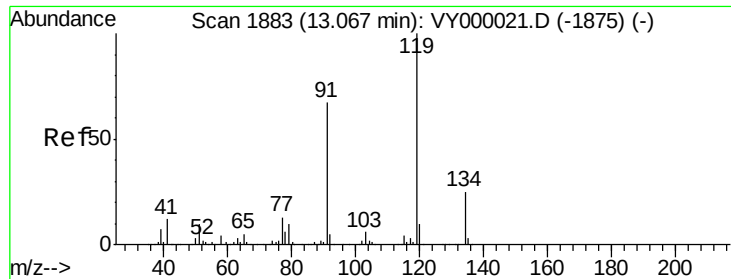
Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	91	Resp:	17131
Ion	Ratio	Lower	Upper
91	100		
126	32.3	17.2	51.5





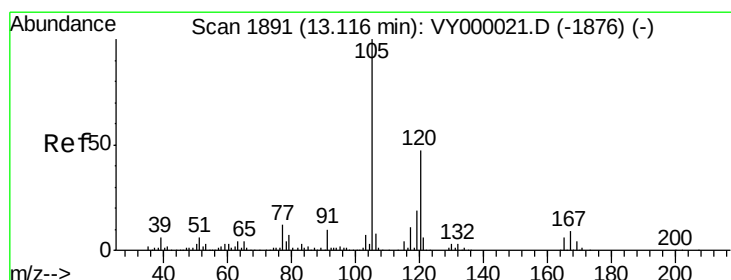
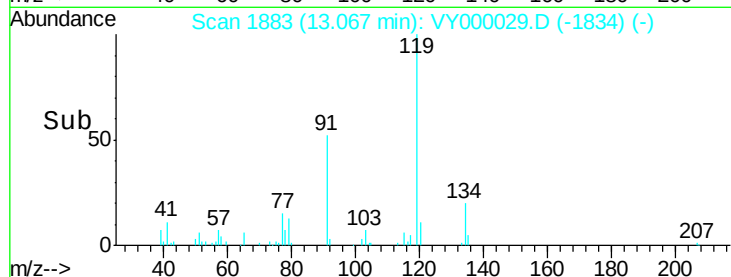
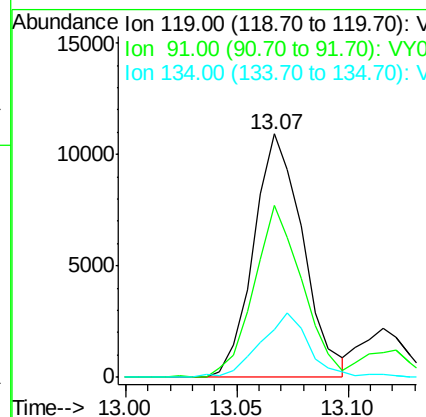
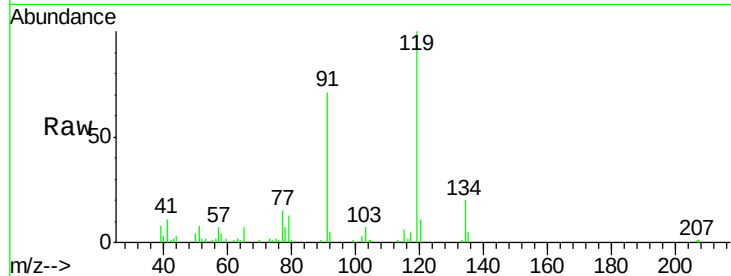
#83
 tert-Butylbenzene
 Concen: 3.372 ug/l
 RT: 13.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion	Ratio	Resp	Lower	Upper
119	100	16819		
91	69.2		33.1	99.5
134	26.5		13.5	40.5

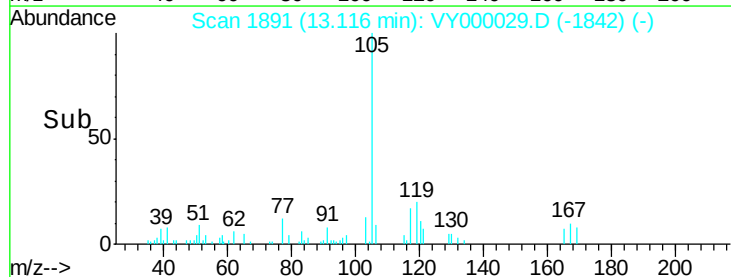
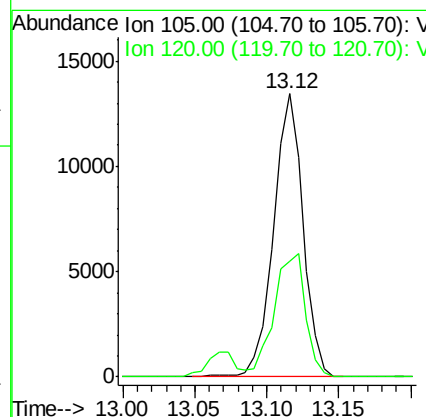
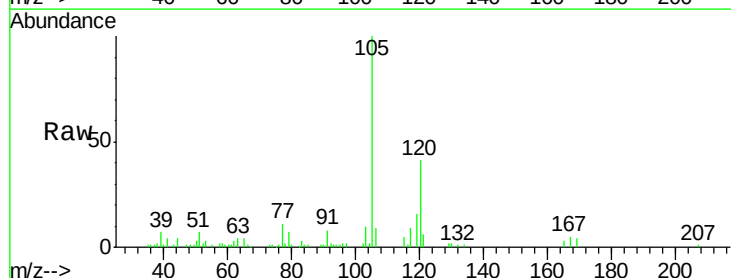
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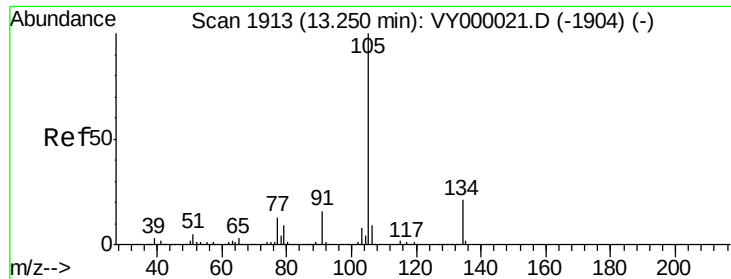
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#84
 1,2,4-Trimethylbenzene
 Concen: 3.340 ug/l
 RT: 13.12 min Scan# 1891
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	19149		
120	46.7		23.1	69.3





#85

sec-Butylbenzene

Concen: 3.349 ug/l

RT: 13.25 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

MDL2

Tot Ion:105 Resp: 24650

Ion Ratio Lower Upper

105 100

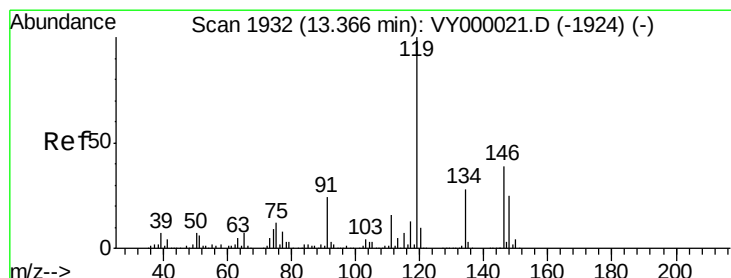
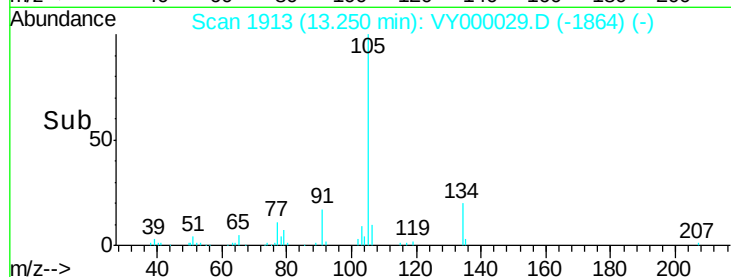
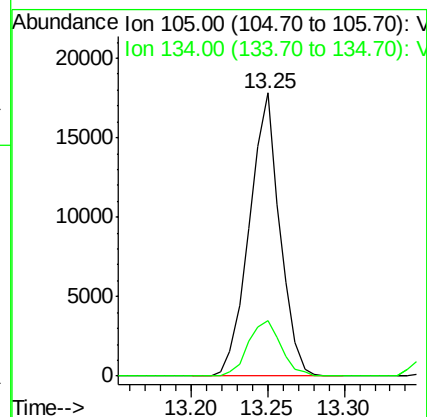
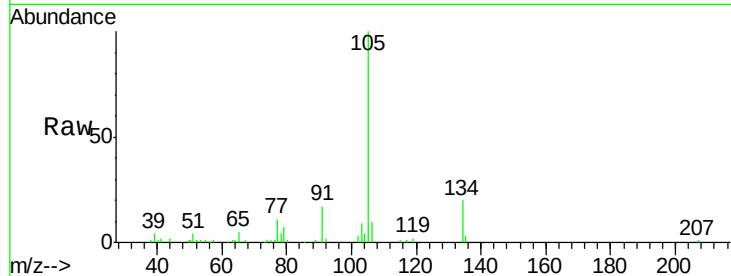
134 21.0 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 3.294 ug/l

RT: 13.37 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

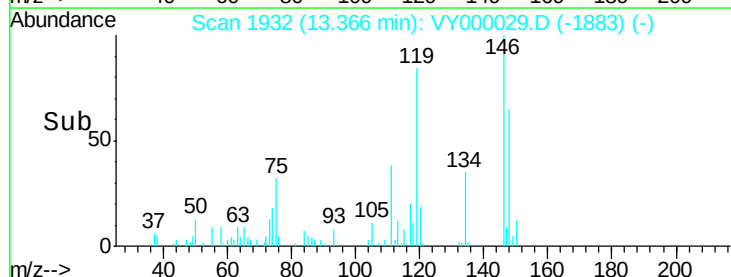
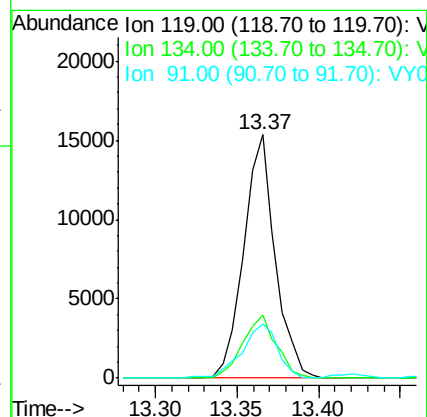
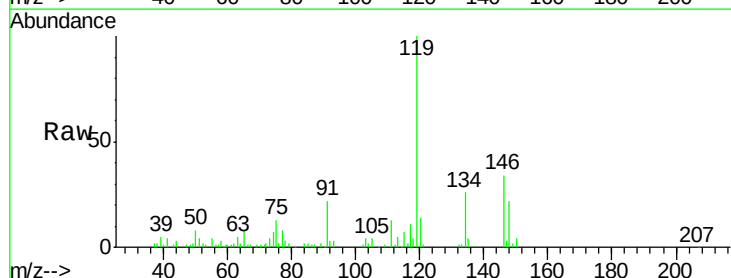
Tgt Ion:119 Resp: 20564

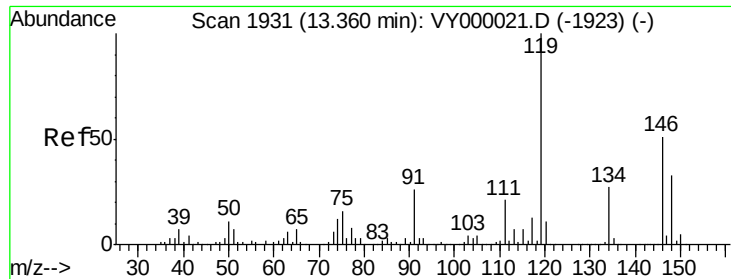
Ion Ratio Lower Upper

119 100

134 27.7 13.8 41.3

91 25.5 12.4 37.2





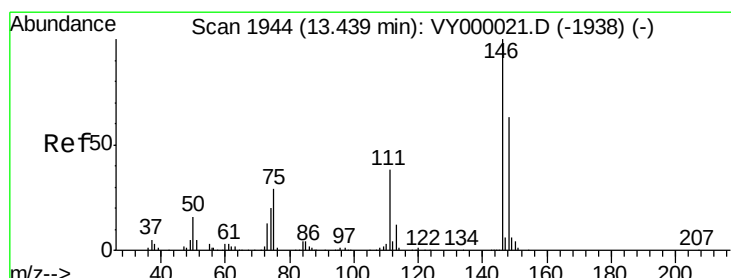
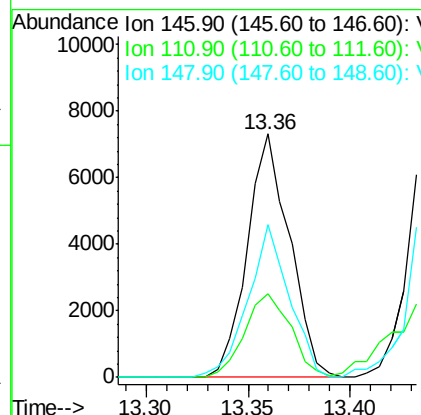
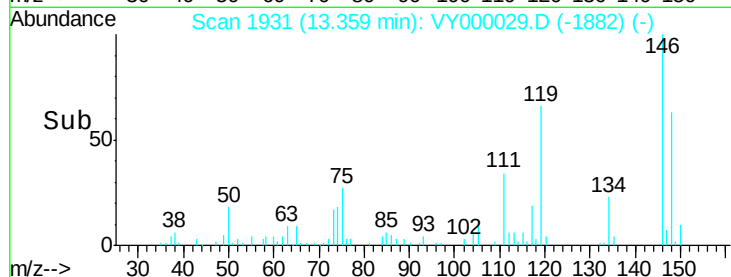
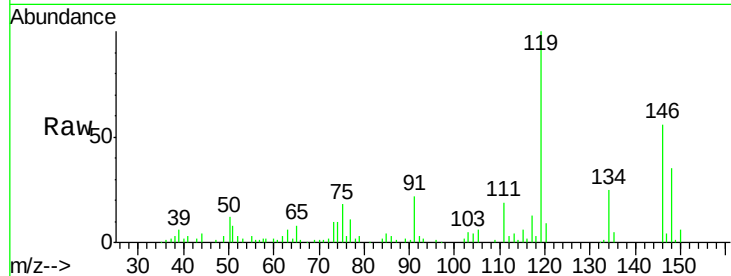
#87
 1,3-Dichlorobenzene
 Concen: 3.566 ug/l
 RT: 13.36 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleID :
 MDL2

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	21.2	63.6
148	60.9	32.1	96.5

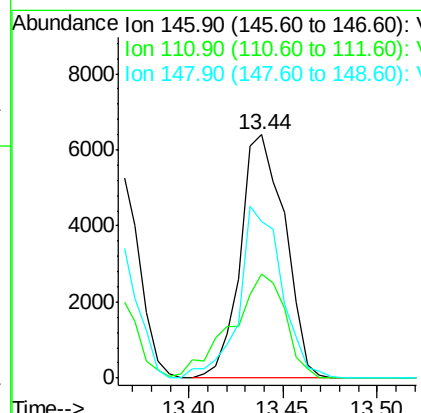
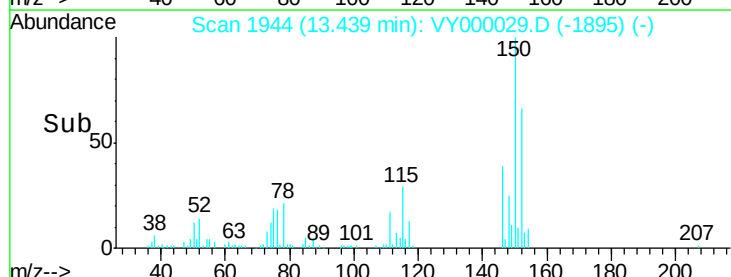
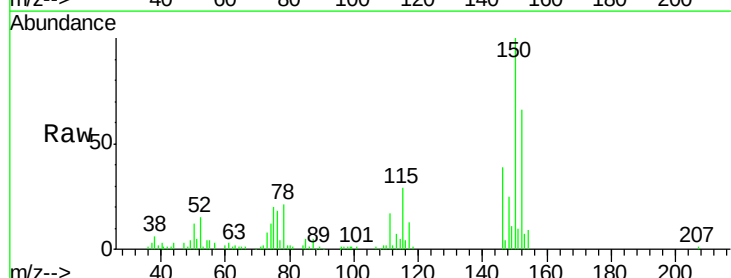
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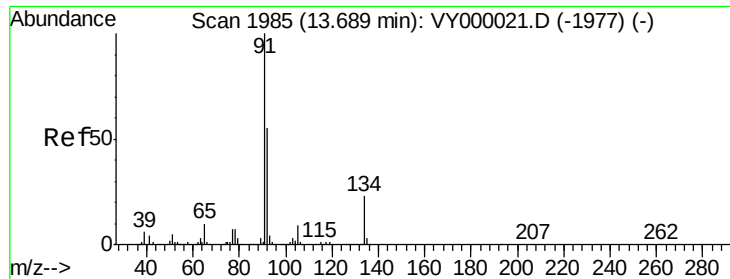
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#88
 1,4-Dichlorobenzene
 Concen: 3.521 ug/l
 RT: 13.44 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	52.0	20.3	60.9
148	67.6	31.7	95.1





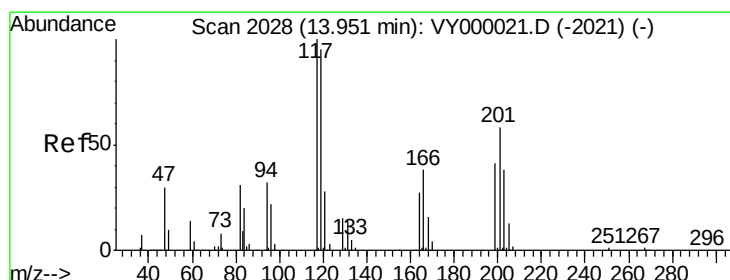
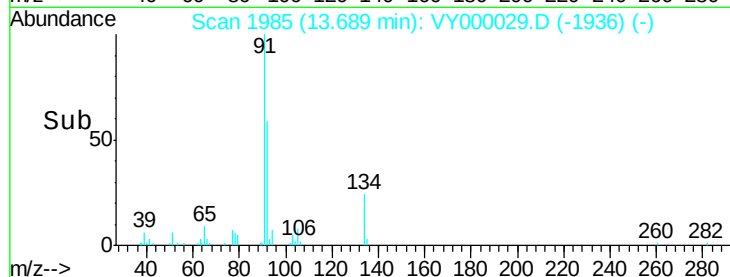
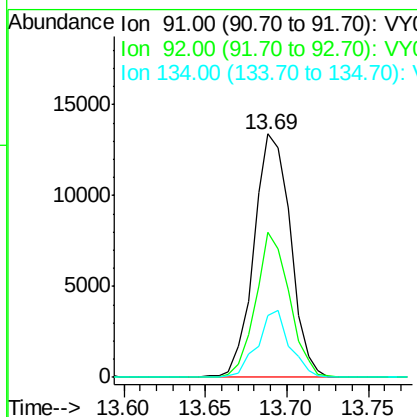
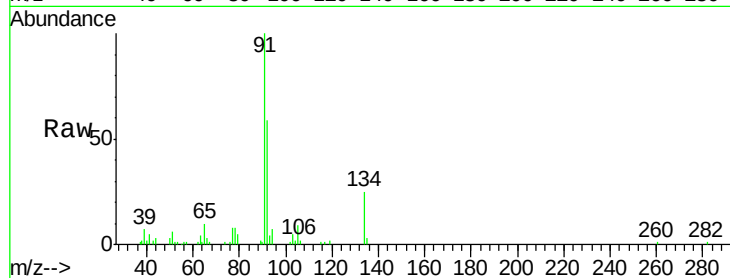
#89
n-Butylbenzene
Concen: 3.294 ug/l
RT: 13.69 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
MDL2

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.2	81.6
134	24.1	12.6	37.6

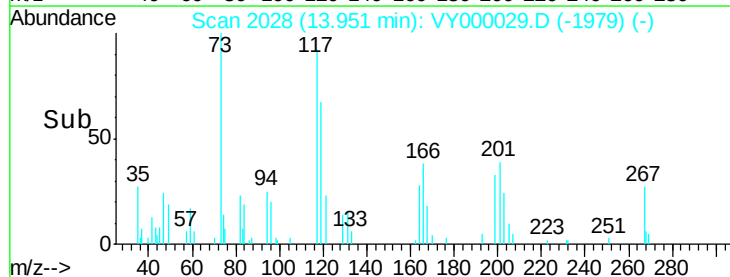
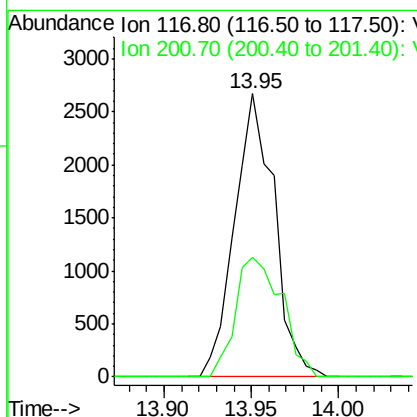
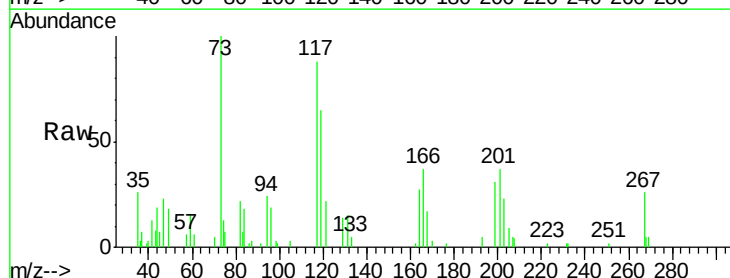
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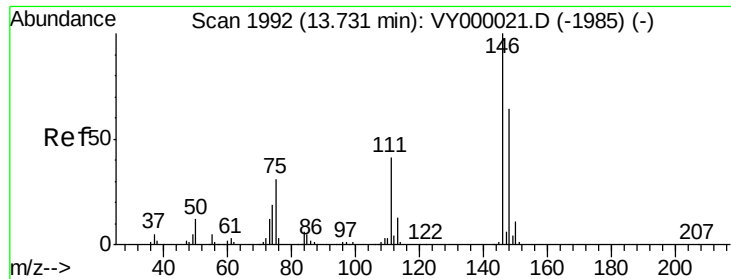
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#90
Hexachloroethane
Concen: 3.386 ug/l
RT: 13.95 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VY000029.D
Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	49.1	31.4	94.0





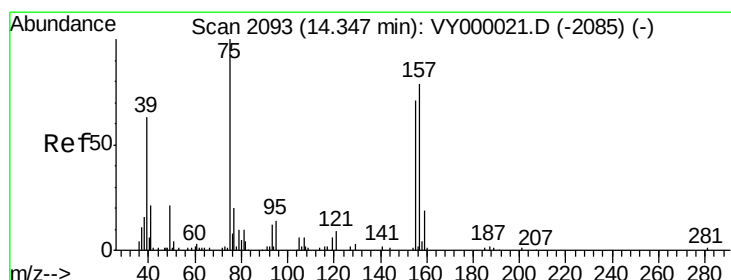
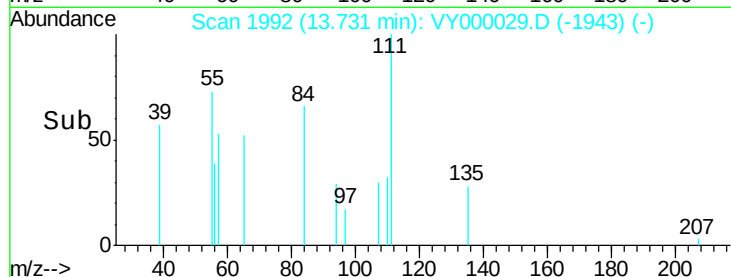
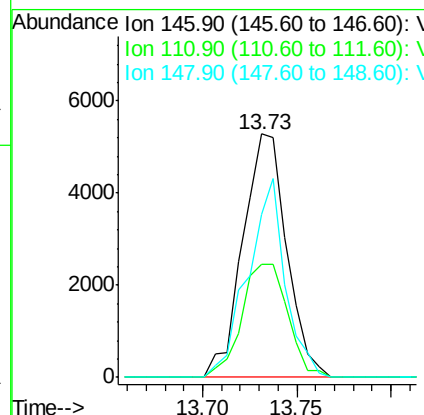
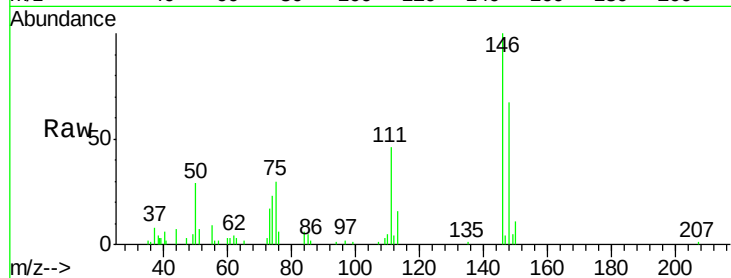
#91
 1,2-Dichlorobenzene
 Concen: 3.095 ug/l
 RT: 13.73 min Scan# 1992
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL2

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.8	21.0	63.0
148	69.6	31.6	95.0

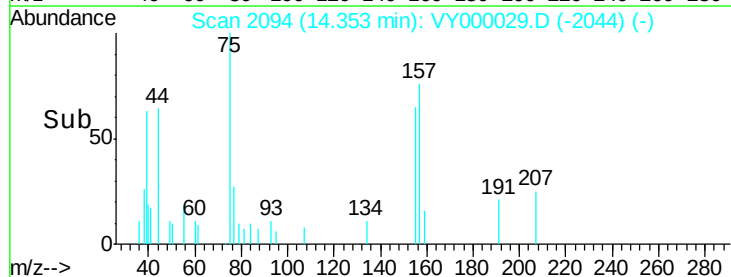
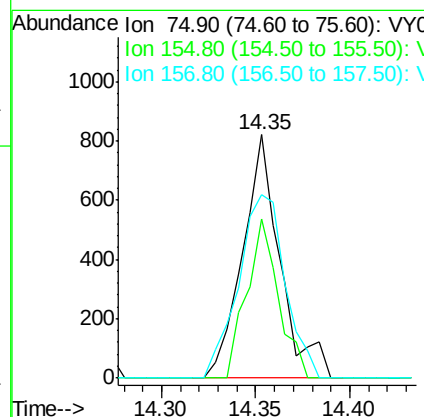
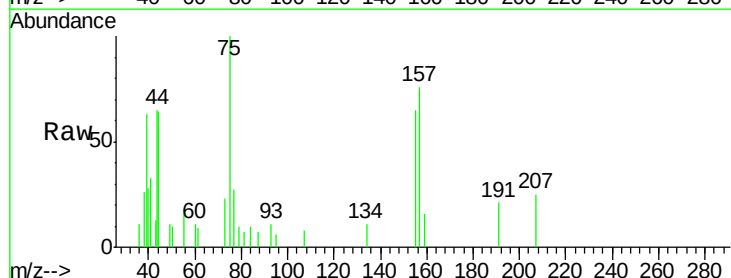
Manual Integrations
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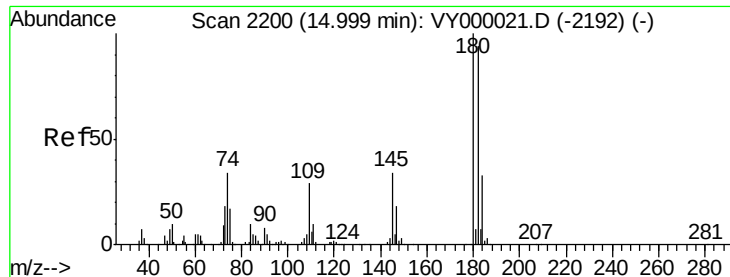
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.503 ug/l
 RT: 14.35 min Scan# 2094
 Delta R.T. 0.01 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.2	41.8	125.3
157	94.2	51.3	153.9





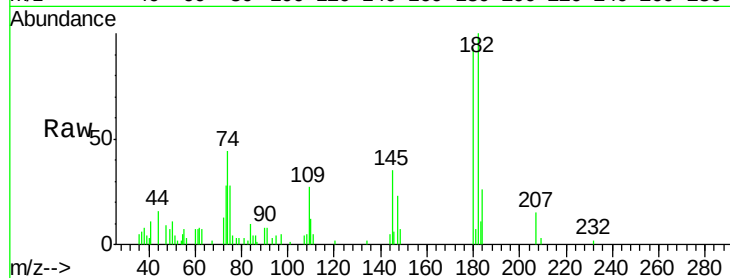
#93
 1,2,4-Trichlorobenzene
 Concen: 3.127 ug/l
 RT: 15.00 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampled :
 MDL2

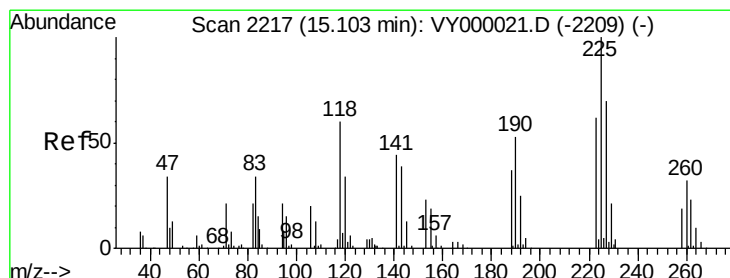
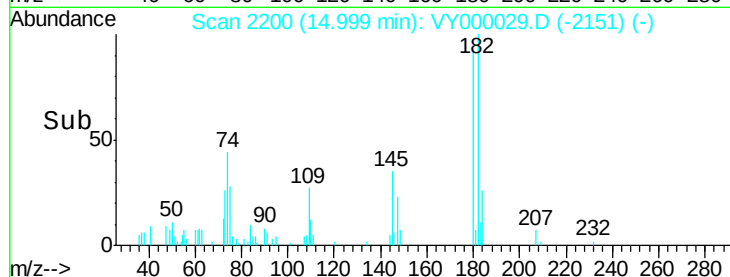
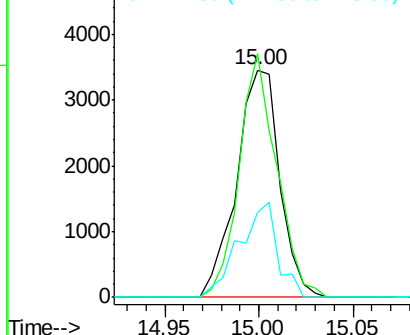
Tot Ion	Ratio	Resp	Lower	Upper
180	100	5495		
182	93.0	47.0	141.0	
145	37.1	16.7	50.1	

Manual Integrations
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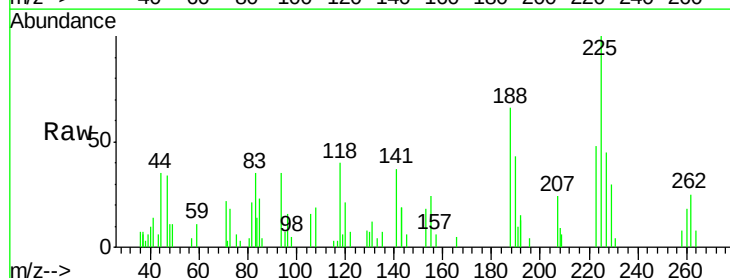


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

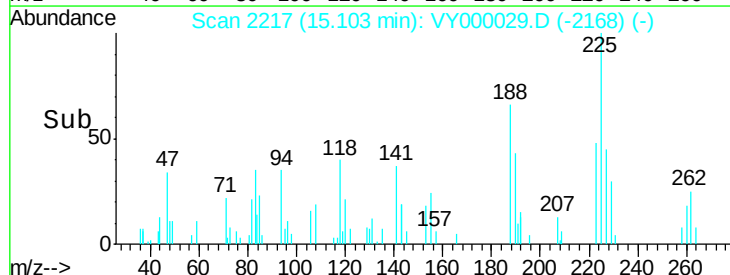
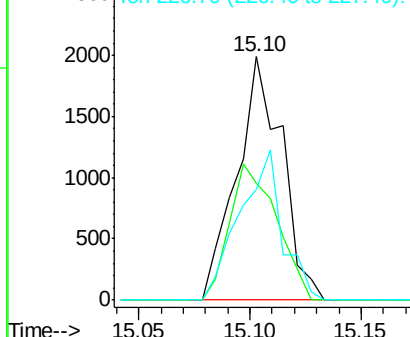


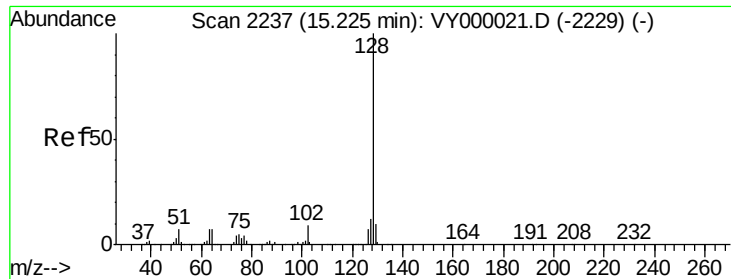
#94
 Hexachlorobutadiene
 Concen: 3.491 ug/l
 RT: 15.10 min Scan# 2217
 Delta R.T. -0.00 min
 Lab File: VY000029.D
 Acq: 12 Sep 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2814		
223	58.2	30.9	92.7	
227	58.0	31.0	93.0	



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





#95

Naphthalene

Concen: 3.005 ug/l

RT: 15.22 min Scan# 2237

Delta R.T. -0.00 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Instrument :

MSVOA_Y

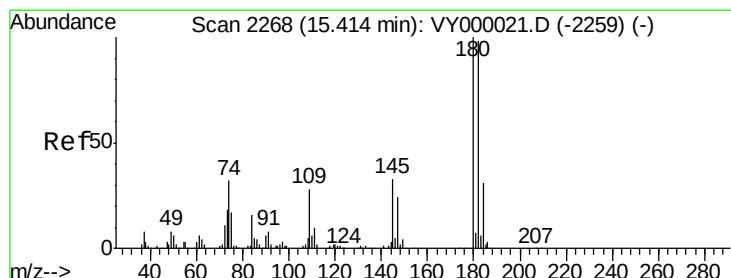
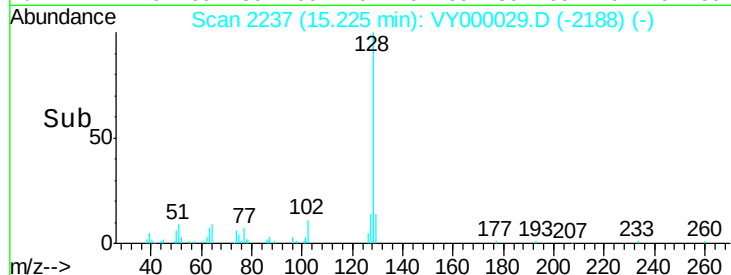
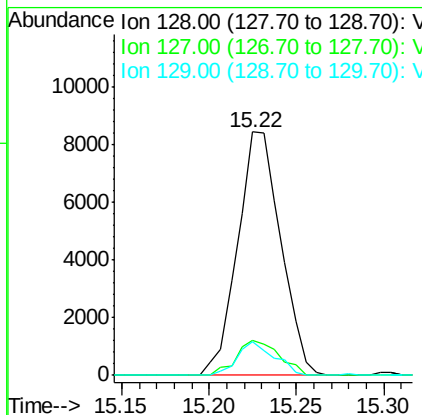
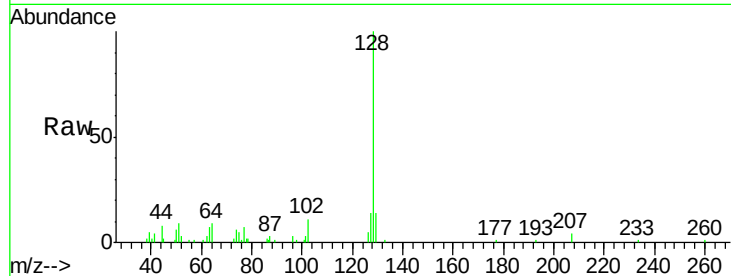
ClientSampleId :

MDL2

Tot Ion:	128	Resp:	14448
Ion	Ratio	Lower	Upper
128	100		
127	14.2	9.8	14.8
129	11.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:53:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 3.439 ug/l

RT: 15.42 min Scan# 2269

Delta R.T. 0.01 min

Lab File: VY000029.D

Acq: 12 Sep 2019 16:39

Tgt Ion:	180	Resp:	5425
Ion	Ratio	Lower	Upper
180	100		
182	86.7	46.8	140.4
145	32.6	17.3	51.7

