

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000271.D
 Acq On : 11 Oct 2019 15:13
 Operator : SY/MD
 Sample : VSTDICV050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:57 PM

Quant Time: Oct 14 08:14:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	292922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	482750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	425291	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	208496	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	162404	52.56	ug/l	0.00
Spiked Amount			Recovery	=	105.12%	
35) Dibromofluoromethane	7.73	113	151860	52.15	ug/l	0.00
Spiked Amount			Recovery	=	104.30%	
50) Toluene-d8	10.19	98	631109	56.34	ug/l	0.00
Spiked Amount			Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.48	95	224467	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	132092	57.769	ug/l	95
3) Chloromethane	2.12	50	181037	50.577	ug/l	97
4) Vinyl Chloride	2.25	62	196723	54.457	ug/l	97
5) Bromomethane	2.65	94	142729	53.312	ug/l	100
6) Chloroethane	2.79	64	124517	53.422	ug/l	100
7) Trichlorofluoromethane	3.13	101	265821	53.795	ug/l	97
8) Diethyl Ether	3.54	74	90371	51.769	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.90	101	164163	54.781	ug/l	98
10) Methyl Iodide	4.10	142	208283	48.825	ug/l	100
11) Tert butyl alcohol	4.97	59	72712	224.866	ug/l	100
12) 1,1-Dichloroethene	3.88	96	164881	55.732	ug/l	96
13) Acrolein	3.74	56	87515	230.848	ug/l	99
14) Allyl chloride	4.48	41	269802	55.032	ug/l	98
15) Acrylonitrile	5.18	53	243579	249.296	ug/l	99
16) Acetone	3.96	43	263114	262.948	ug/l	95
17) Carbon Disulfide	4.19	76	503187	54.021	ug/l	98
18) Methyl Acetate	4.49	43	117536	47.276	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	428735	52.058	ug/l	99
20) Methylene Chloride	4.72	84	179343	53.584	ug/l	99
21) trans-1,2-Dichloroethene	5.22	96	178546	52.603	ug/l	90
22) Diisopropyl ether	6.13	45	575216	55.473	ug/l	97
23) Vinyl Acetate	6.07	43	1829015	270.374	ug/l	98
24) 1,1-Dichloroethane	6.03	63	311357	55.011	ug/l	99
25) 2-Butanone	7.00	43	352005	249.725	ug/l	99
26) 2,2-Dichloropropane	6.99	77	284527	54.555	ug/l	98
27) cis-1,2-Dichloroethene	6.99	96	199496	54.317	ug/l	99
28) Bromochloromethane	7.35	49	129296	53.214	ug/l	97
29) Tetrahydrofuran	7.36	42	212493	248.747	ug/l	98
30) Chloroform	7.52	83	311013	54.564	ug/l	98
31) Cyclohexane	7.79	56	315974	53.451	ug/l	96
32) 1,1,1-Trichloroethane	7.71	97	280546	55.362	ug/l	99
36) 1,1-Dichloropropene	7.93	75	252947	53.518	ug/l	99
37) Ethyl Acetate	7.08	43	140132	50.072	ug/l	98
38) Carbon Tetrachloride	7.91	117	246823	53.935	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	339718	54.917	ug/l	98
40) Benzene	8.17	78	736355	53.911	ug/l	100
41) Methacrylonitrile	7.32	41	62547m	46.952	ug/l	
42) 1,2-Dichloroethane	8.25	62	198515	50.880	ug/l	99
43) Isopropyl Acetate	8.28	43	266932	50.163	ug/l	98
44) Trichloroethene	8.94	130	198652	51.834	ug/l	99
45) 1,2-Dichloropropane	9.22	63	180128	53.739	ug/l	97
46) Dibromomethane	9.32	93	98010	52.306	ug/l	95
47) Bromodichloromethane	9.50	83	236724	53.606	ug/l	100
48) Methyl methacrylate	9.30	41	118846	50.961	ug/l	98
49) 1,4-Dioxane	9.30	88	27066	963.369	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	683002	248.853	ug/l	100
52) Toluene	10.25	92	472193	54.451	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	255281	53.941	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	293795	54.664	ug/l	97
55) 1,1,2-Trichloroethane	10.65	97	142569	52.330	ug/l	98
56) Ethyl methacrylate	10.51	69	206911	53.282	ug/l	100
57) 1,3-Dichloropropane	10.80	76	245563	52.483	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	427447	275.964	ug/l	99
59) 2-Hexanone	10.84	43	505320	262.303	ug/l	100
60) Dibromochloromethane	10.99	129	164564	54.497	ug/l	99
61) 1,2-Dibromoethane	11.09	107	135894	51.949	ug/l	100
64) Tetrachloroethene	10.72	164	204039	50.395	ug/l	96
65) Chlorobenzene	11.52	112	487403	54.304	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	171866	54.510	ug/l	99
67) Ethyl Benzene	11.60	91	920857	55.345	ug/l	99
68) m/p-Xylenes	11.71	106	696887	109.562	ug/l	97
69) o-Xylene	12.03	106	333104	54.896	ug/l	100
70) Styrene	12.05	104	572161	55.911	ug/l	99
71) Bromoform	12.21	173	97405	53.741	ug/l #	99
73) Isopropylbenzene	12.33	105	915341	56.304	ug/l	99
74) N-amyl acetate	12.14	43	228689	57.300	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	165840	54.331	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	132115m	51.531	ug/l	
77) Bromobenzene	12.61	156	194985	53.899	ug/l	98
78) n-propylbenzene	12.67	91	1108303	56.780	ug/l	99
79) 2-Chlorotoluene	12.76	91	609967	56.585	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	767267	56.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	63195	53.931	ug/l	98
82) 4-Chlorotoluene	12.86	91	642609	56.395	ug/l	100
83) tert-Butylbenzene	13.08	119	646260	55.982	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	760160	56.499	ug/l	100
85) sec-Butylbenzene	13.25	105	948524	56.797	ug/l	100
86) p-Isopropyltoluene	13.37	119	835016	57.353	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	390120	54.733	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	392806	55.137	ug/l	97
89) n-Butylbenzene	13.70	91	831178	57.770	ug/l	99
90) Hexachloroethane	13.96	117	154704	57.383	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	349899	54.244	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	29964	51.760	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	235655	52.472	ug/l	98
94) Hexachlorobutadiene	15.11	225	128966	53.064	ug/l	99
95) Naphthalene	15.23	128	524104	52.294	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	211157	52.169	ug/l	97

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

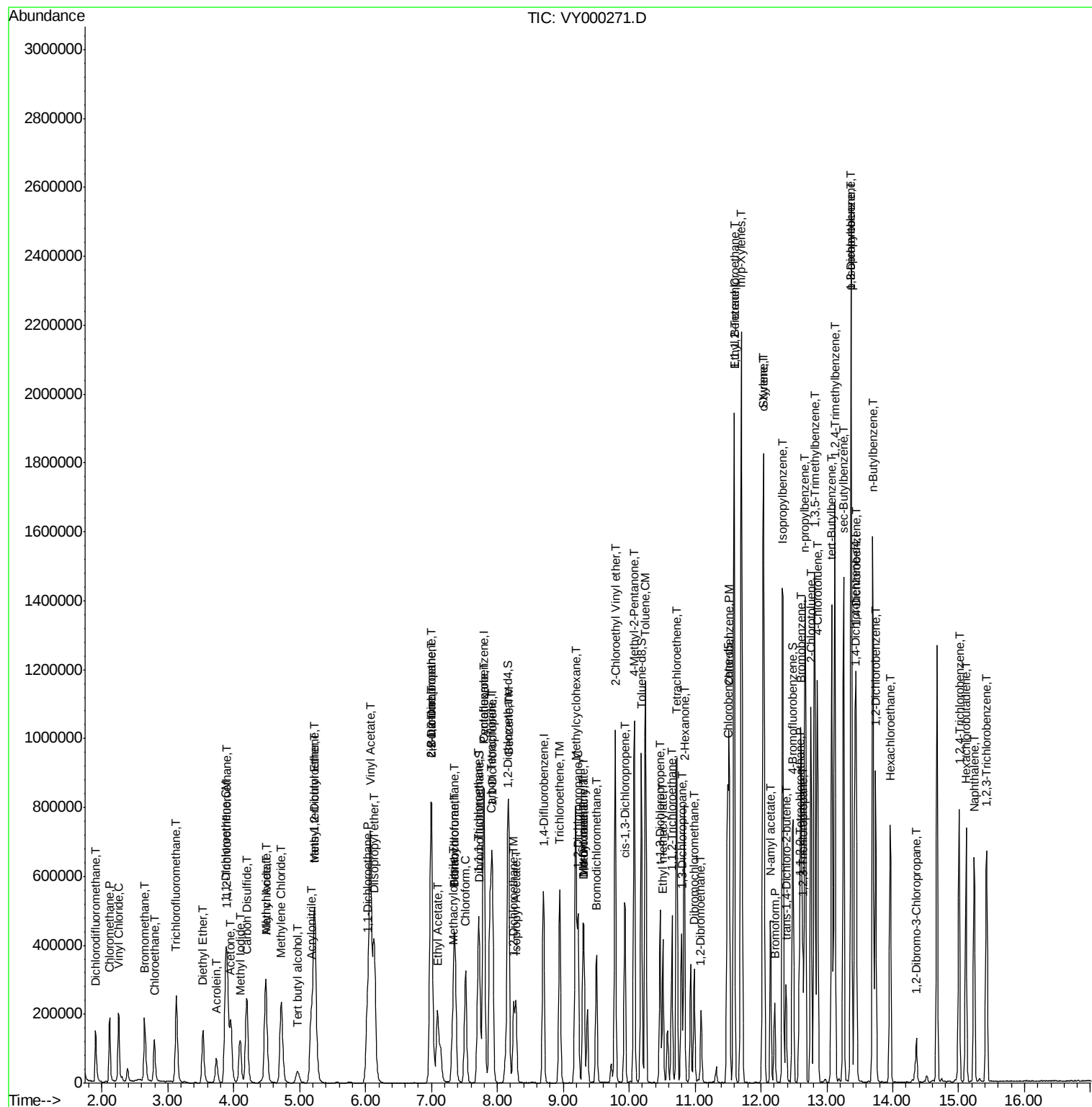
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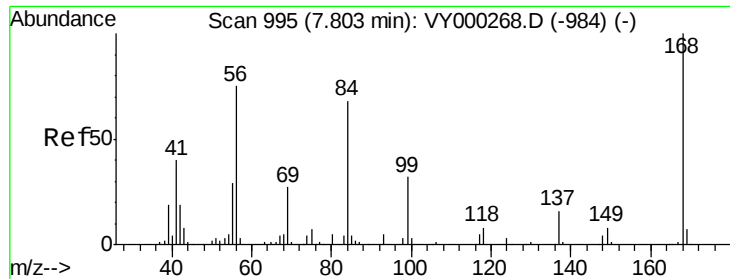
Instrument :
MSVOA_Y
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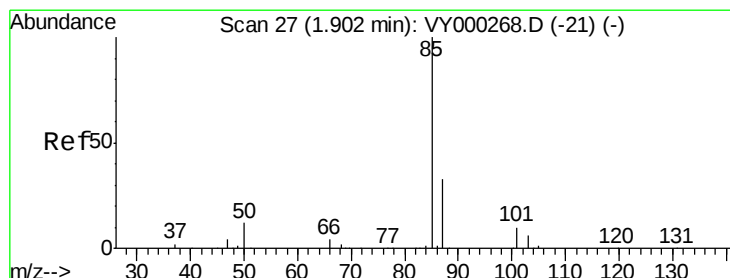
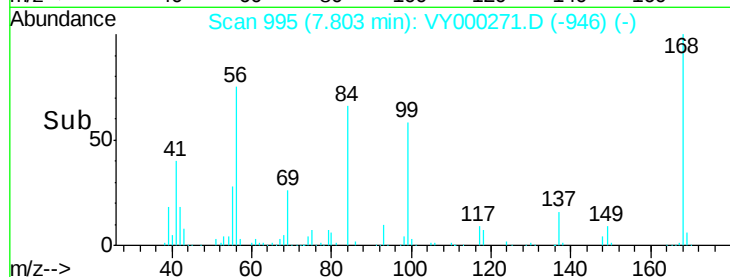
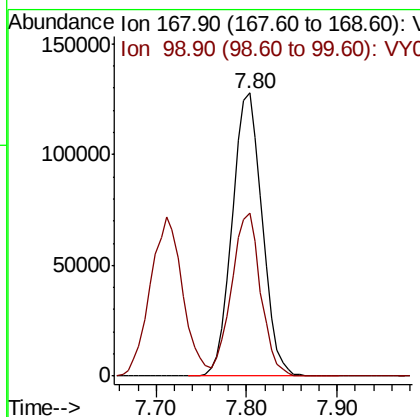
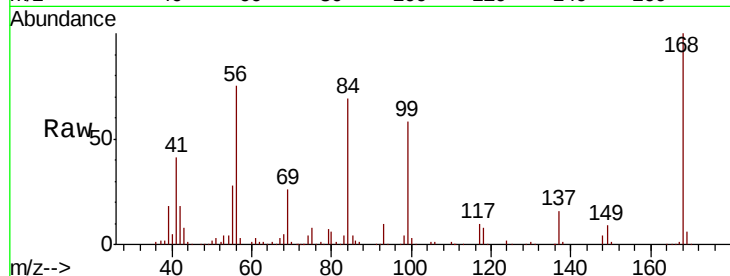
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.80 min Scan# 995
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
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ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
168	100		
99	57.6	46.6	69.8

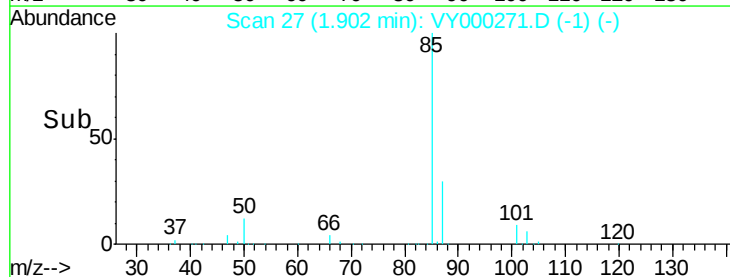
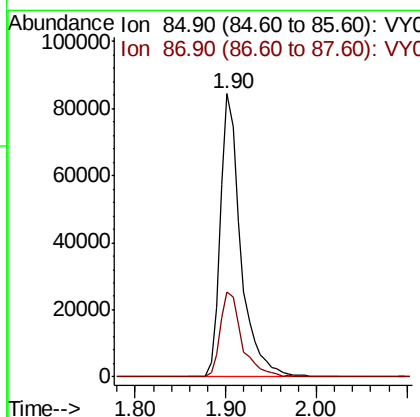
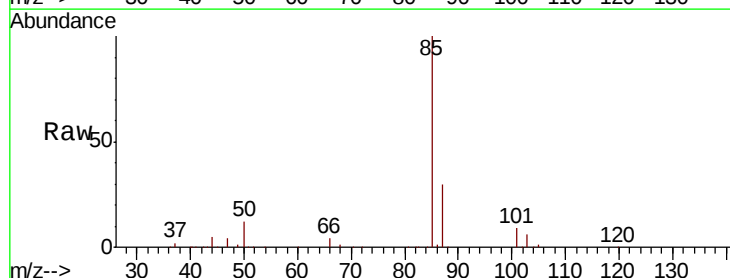
Manual Integrations
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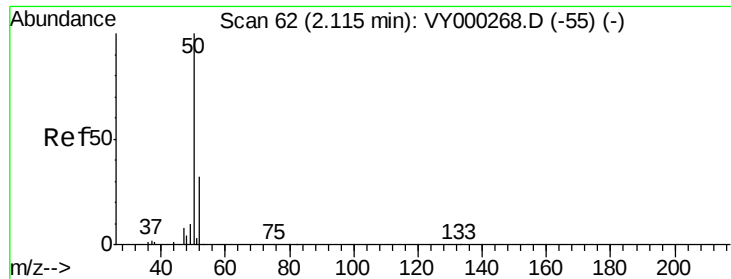
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#2
Dichlorodifluoromethane
Concen: 57.769 ug/l
RT: 1.90 min Scan# 27
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.2	16.6	49.8





#3

Chloromethane

Concen: 50.577 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion: 50 Resp: 181037

Ion Ratio Lower Upper

50 100

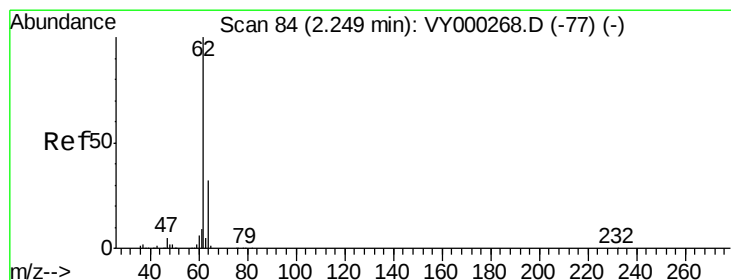
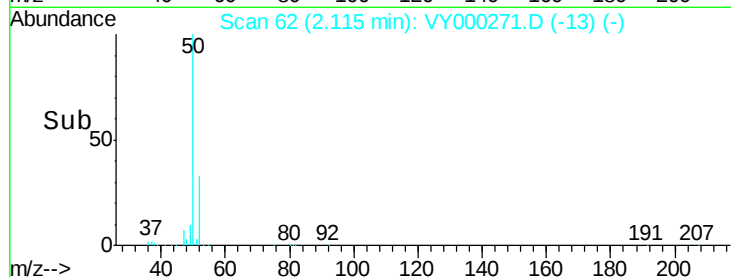
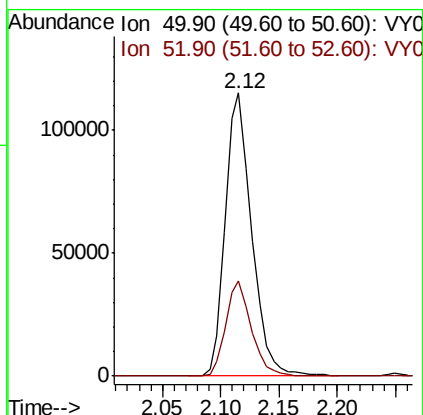
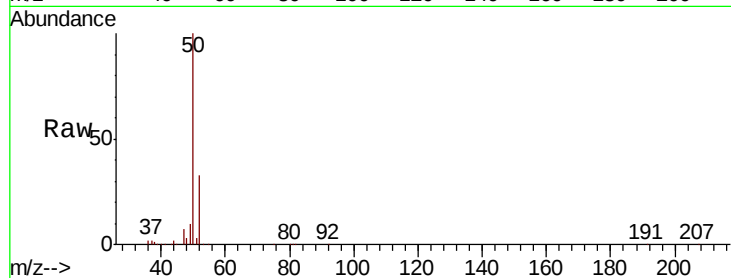
52 33.4 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.457 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000271.D

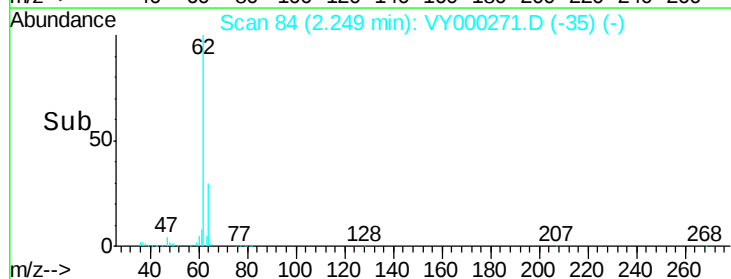
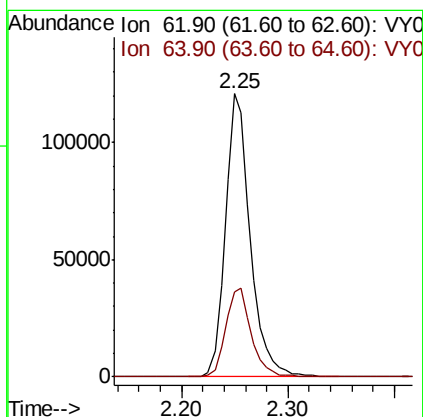
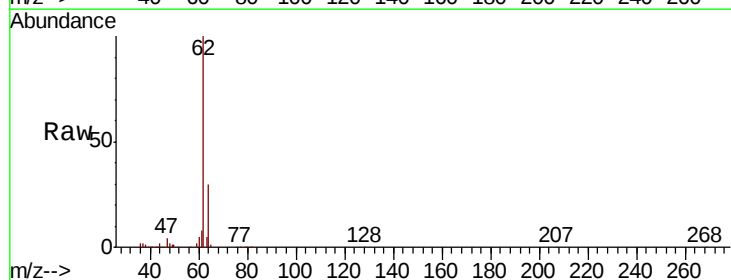
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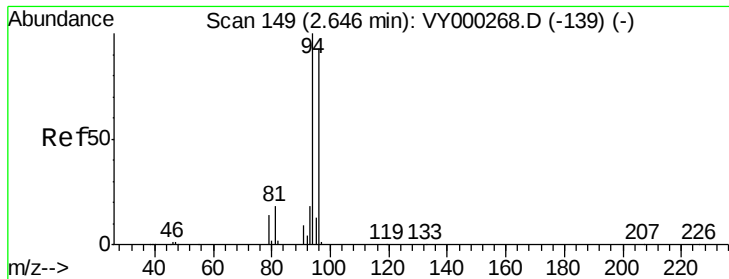
Tgt Ion: 62 Resp: 196723

Ion Ratio Lower Upper

62 100

64 30.2 25.6 38.4





#5

Bromomethane

Concen: 53.312 ug/l

RT: 2.65 min Scan# 149

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 142729

Ion Ratio Lower Upper

94 100

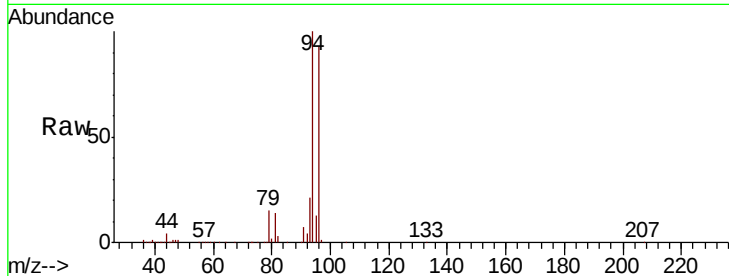
96 92.9 74.2 111.2

Manual Integrations

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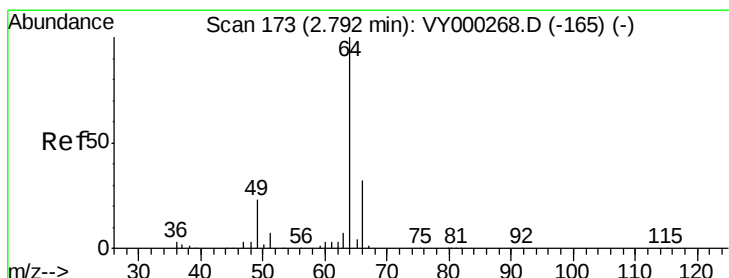
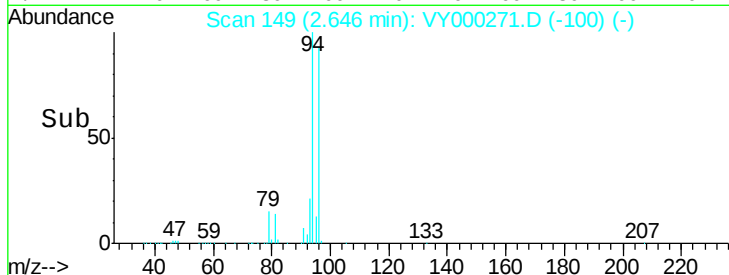
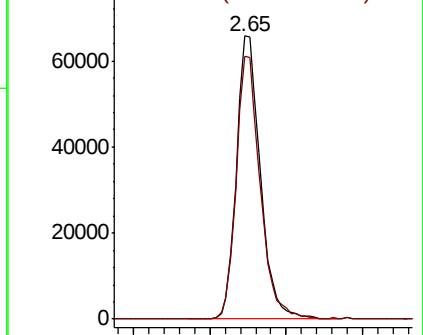
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 53.422 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY000271.D

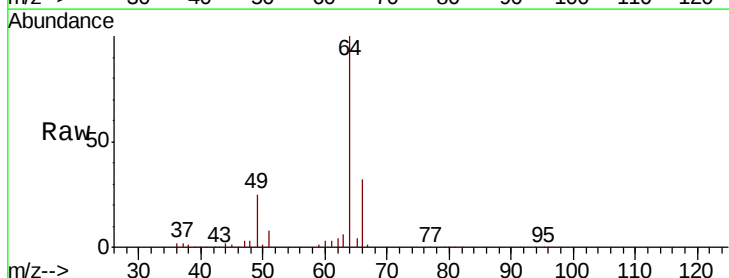
Acq: 11 Oct 2019 15:13

Tgt Ion: 64 Resp: 124517

Ion Ratio Lower Upper

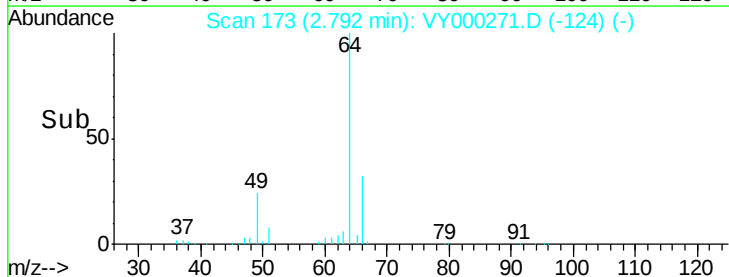
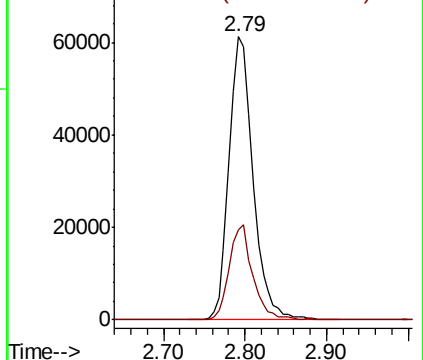
64 100

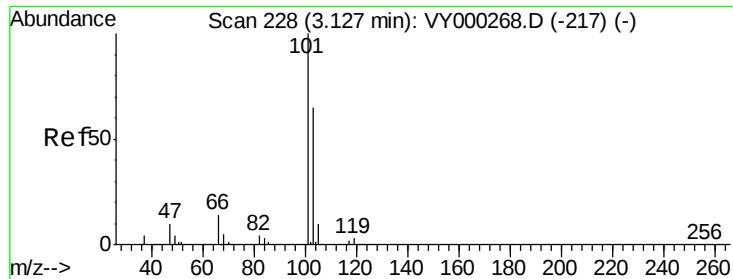
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

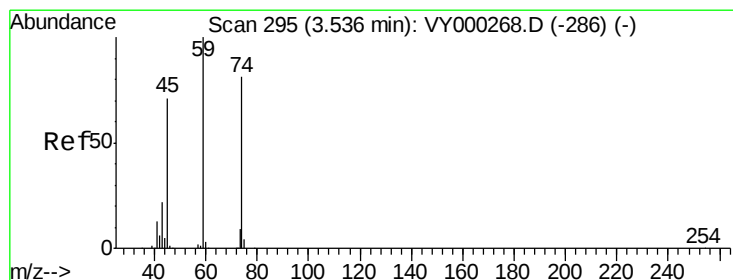
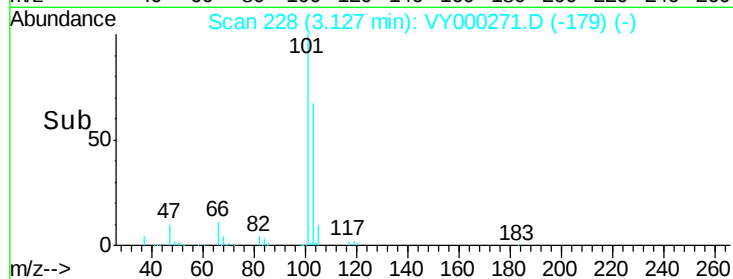
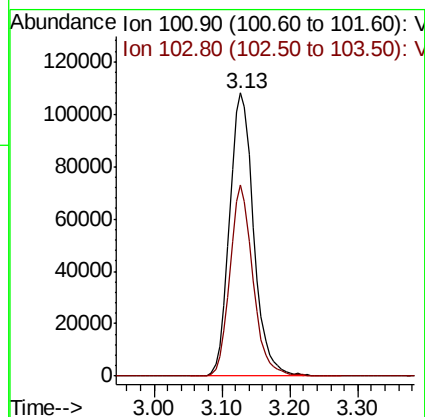
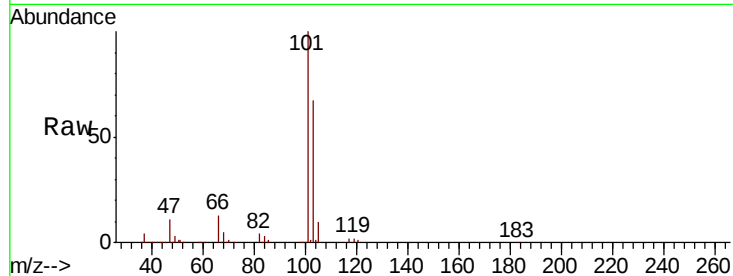
Trichlorofluoromethane
Concen: 53.795 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.2	78.4

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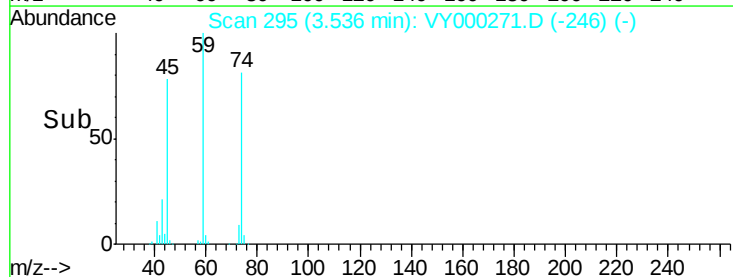
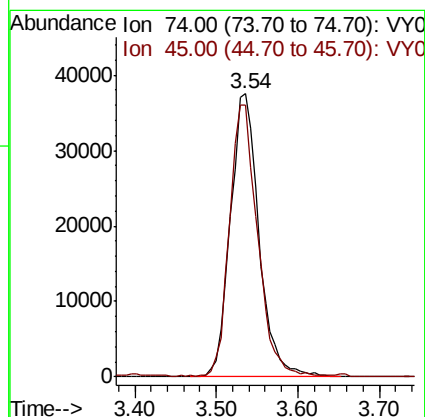
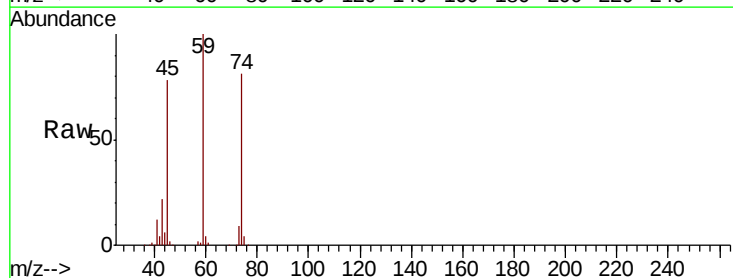
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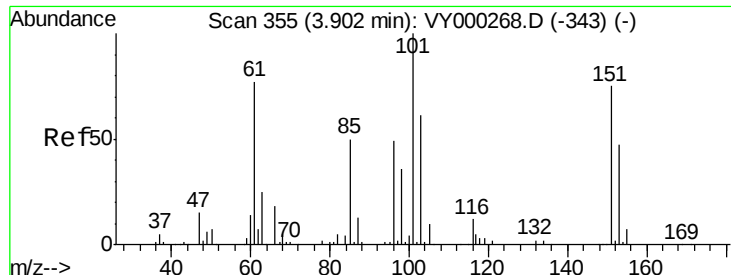


#8

Diethyl Ether
Concen: 51.769 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY000271.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.781 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

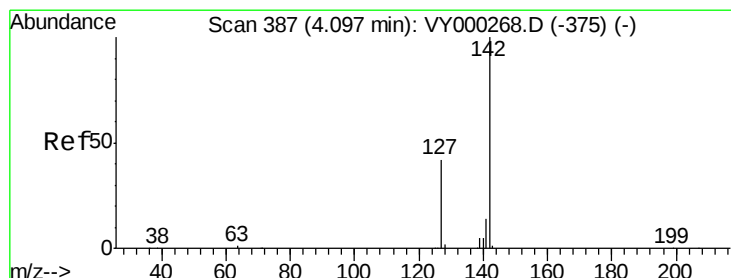
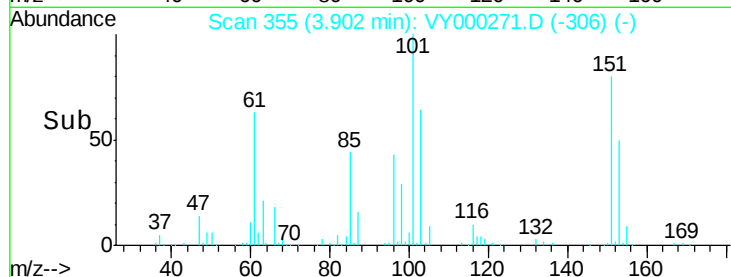
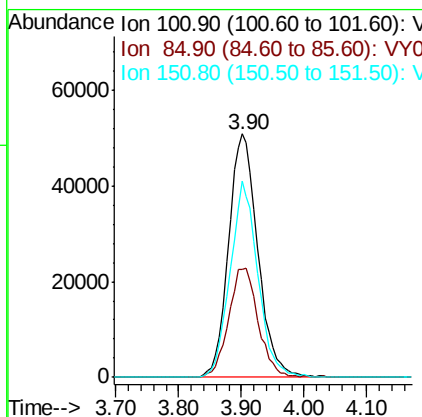
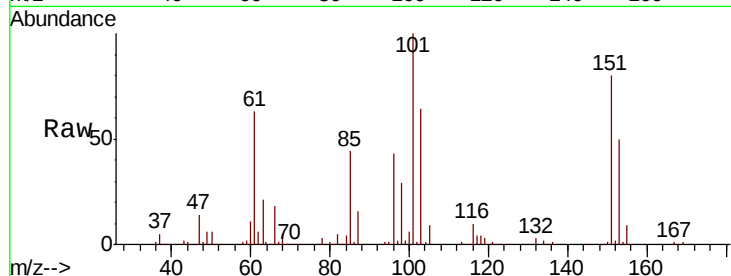
ClientSampleId :

ICVVY101119

Tot Ion:	101	Resp:	164163
Ion Ratio	Lower	Upper	
101	100		
85	45.5	36.6	55.0
151	76.3	63.1	94.7

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#10

Methyl Iodide

Concen: 48.825 ug/l

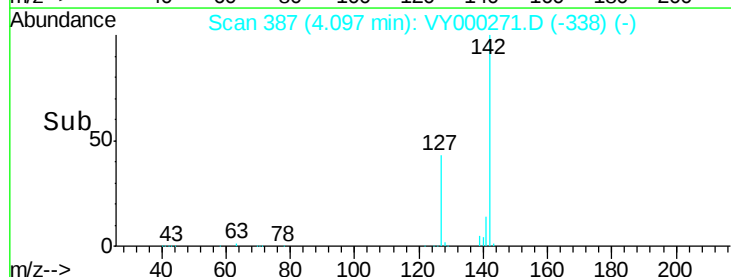
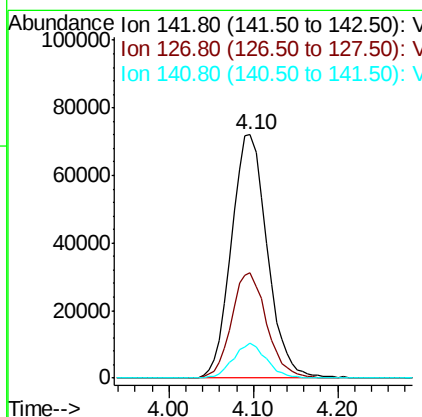
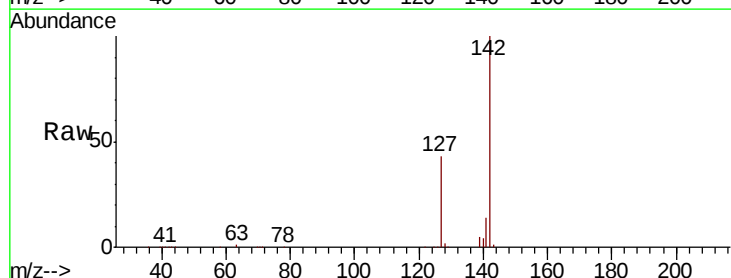
RT: 4.10 min Scan# 387

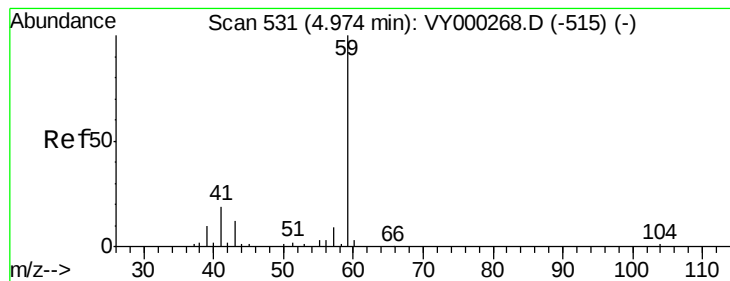
Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Tgt Ion:	142	Resp:	208283
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.9	50.9
141	13.4	11.2	16.8





#11

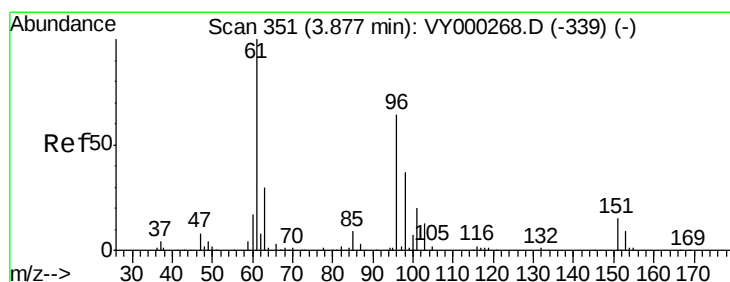
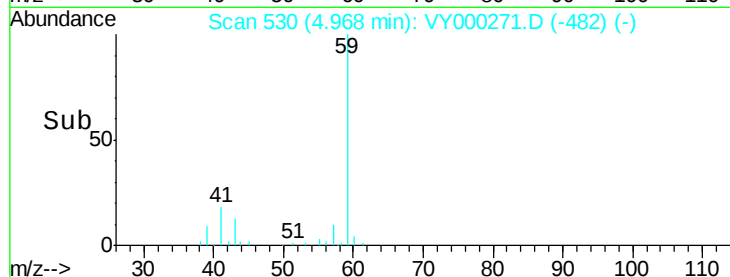
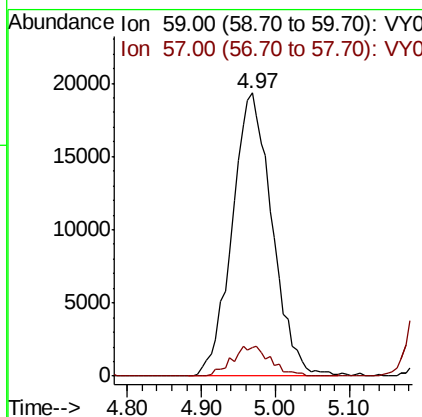
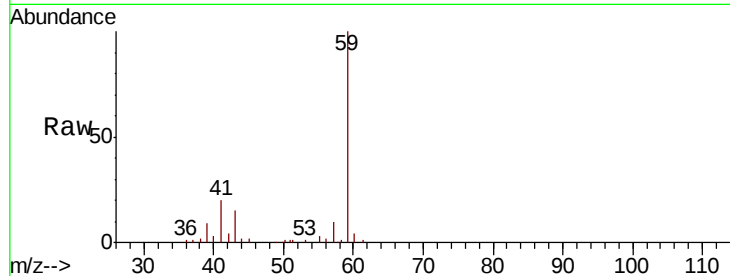
Tert butyl alcohol
 Concen: 224.866 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.2	8.2	12.2

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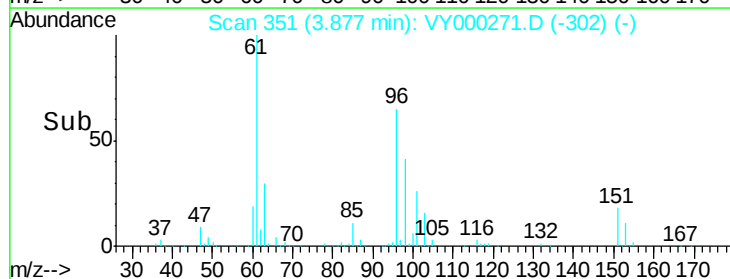
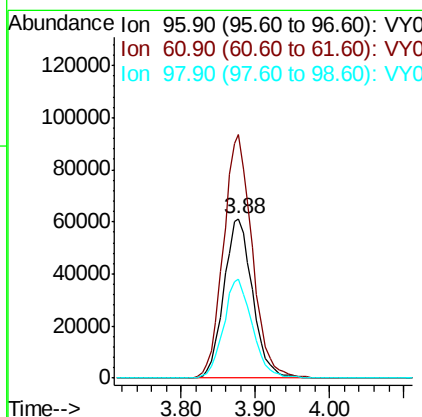
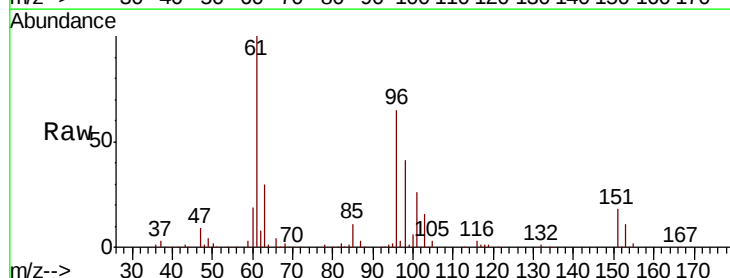
MMDadoda
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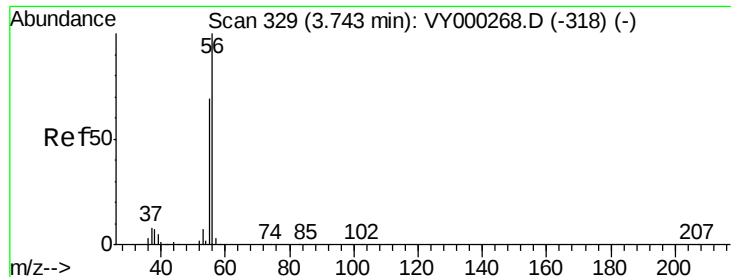


#12

1,1-Dichloroethene
 Concen: 55.732 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	152.8	125.8	188.6
98	98	62.1	46.2	69.2





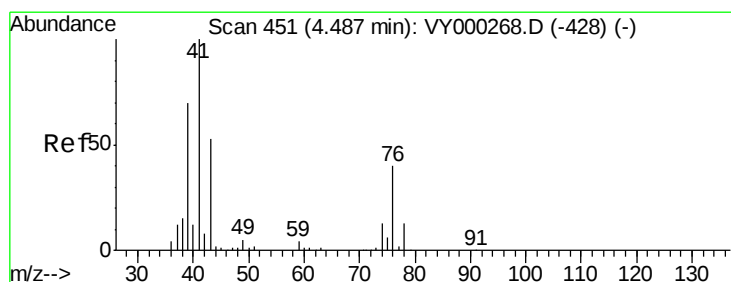
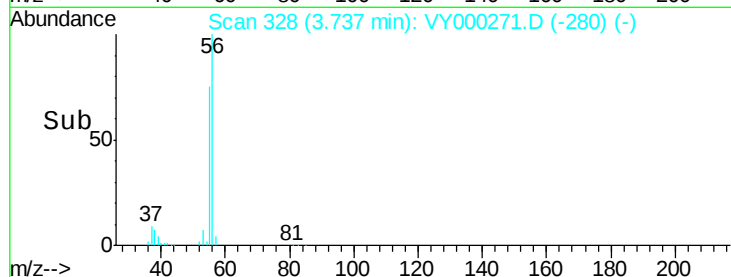
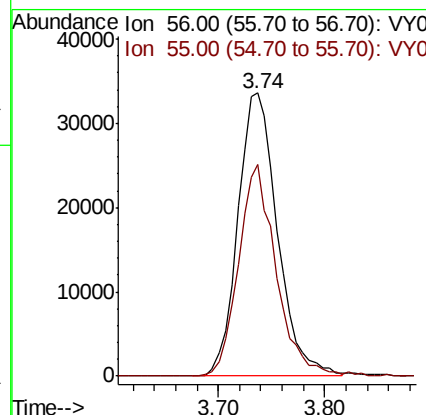
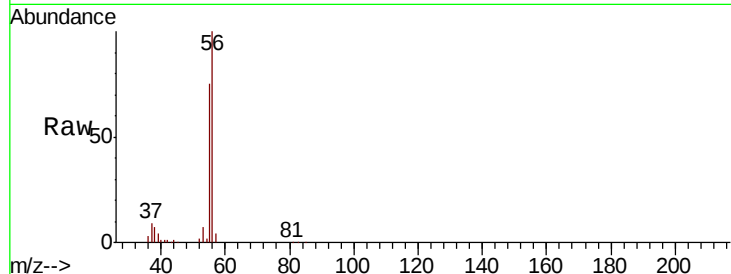
#13
Acrolein
Concen: 230.848 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100	87515		
55	55	70.8		55.7	83.5

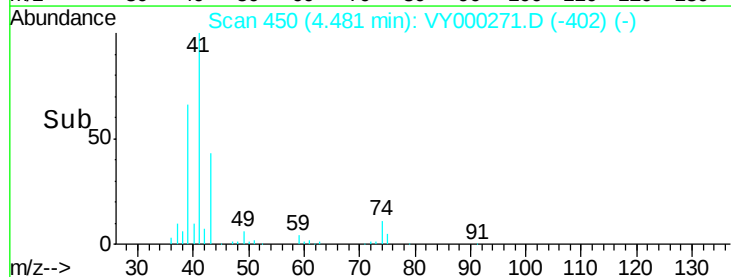
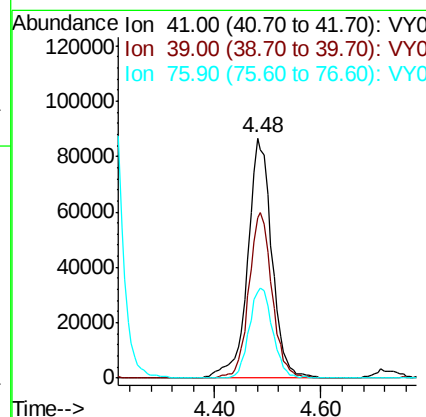
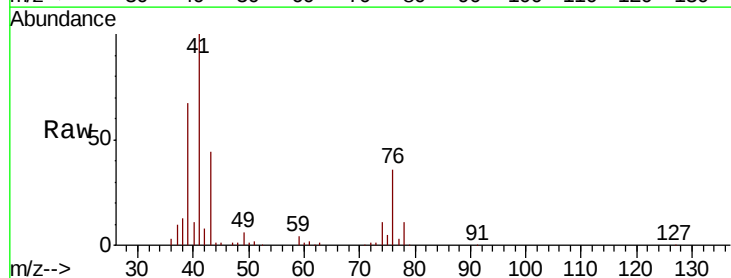
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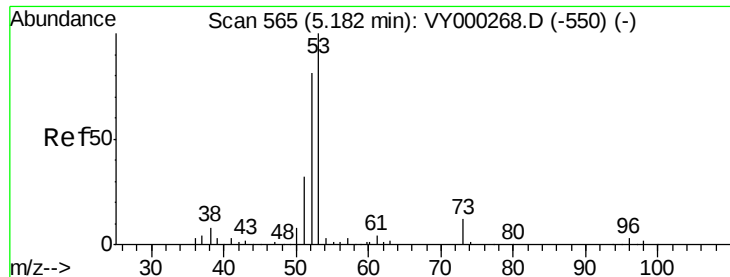
MMDadoda
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#14
Allyl chloride
Concen: 55.032 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	269802		
39	39	66.3		54.0	81.0
76	76	36.6		30.7	46.1





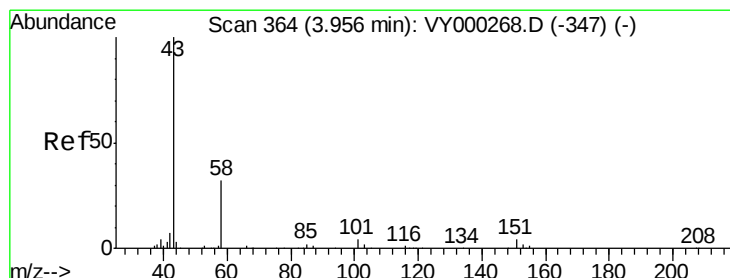
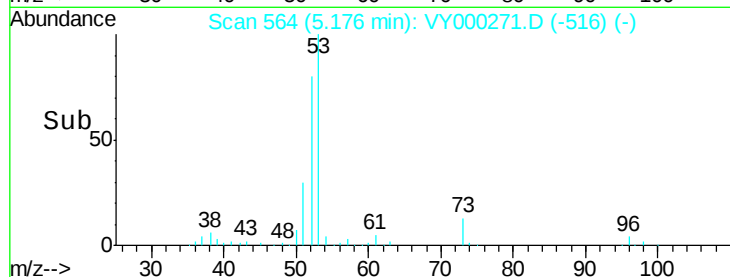
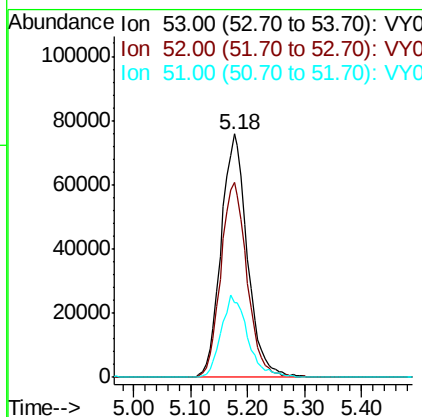
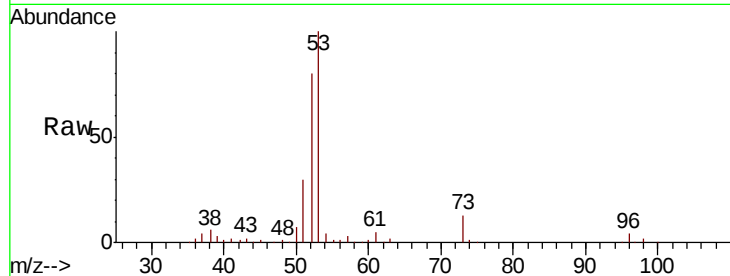
#15
 Acrylonitrile
 Concen: 249.296 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion:	53	Resp:	243579
Ion Ratio		Lower	Upper
53	100		
52	79.8	62.9	94.3
51	34.1	26.9	40.3

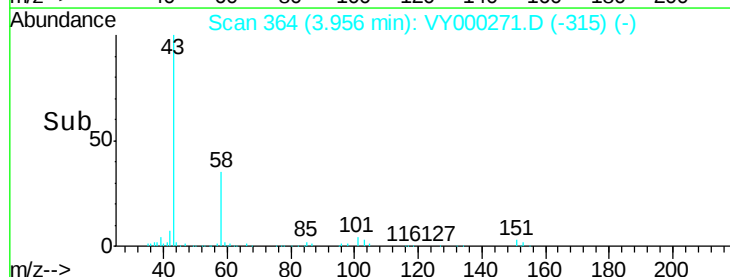
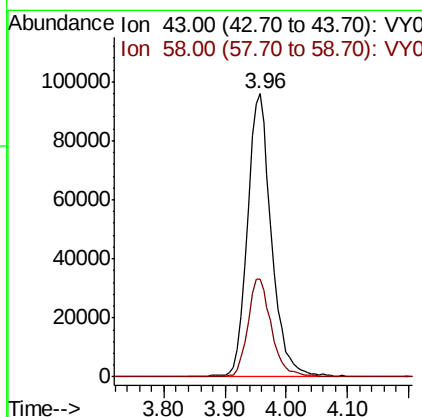
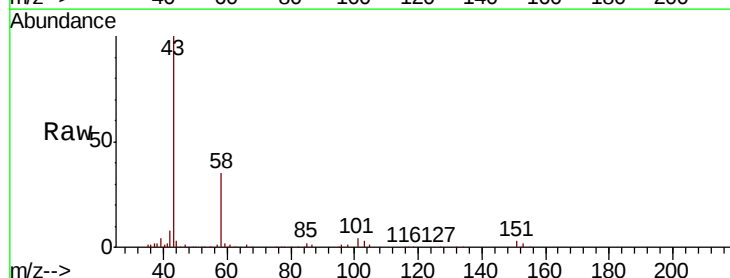
Manual Integrations
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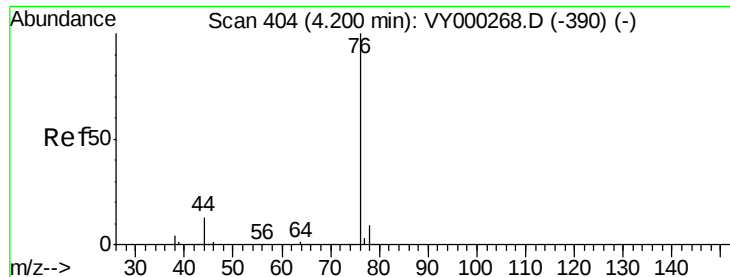
MMDadoda
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#16
 Acetone
 Concen: 262.948 ug/l
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion:	43	Resp:	263114
Ion Ratio		Lower	Upper
43	100		
58	34.7	25.8	38.6





#17

Carbon Disulfide

Concen: 54.021 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion: 76 Resp: 503187

Ion Ratio Lower Upper

76 100

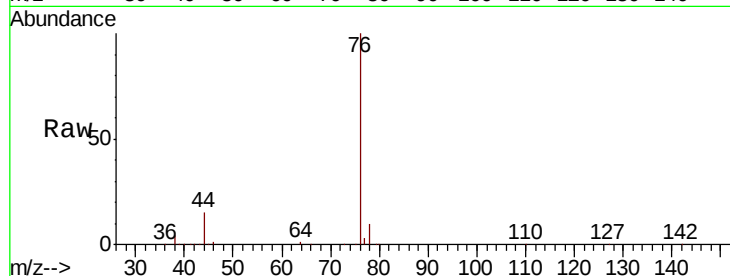
78 9.5 7.0 10.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.19

200000

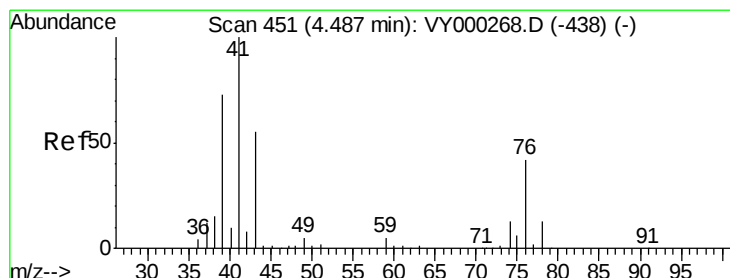
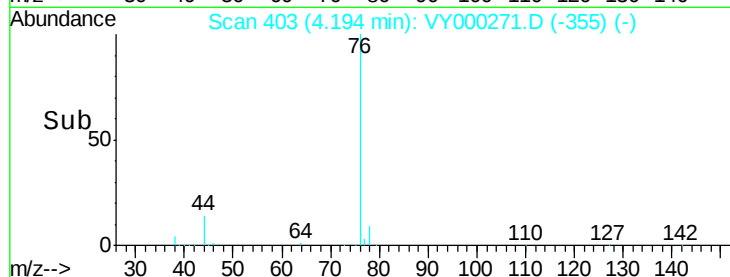
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 47.276 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY000271.D

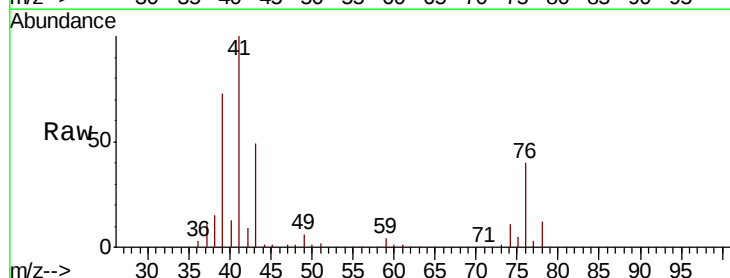
Acq: 11 Oct 2019 15:13

Tgt Ion: 43 Resp: 117536

Ion Ratio Lower Upper

43 100

74 22.8 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

40000

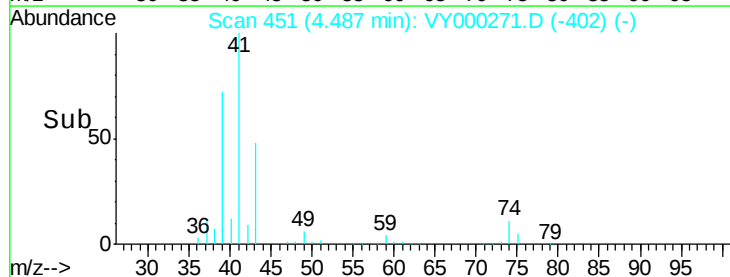
30000

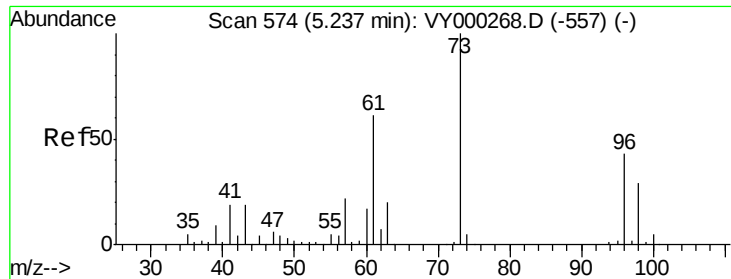
20000

10000

0

Time-->





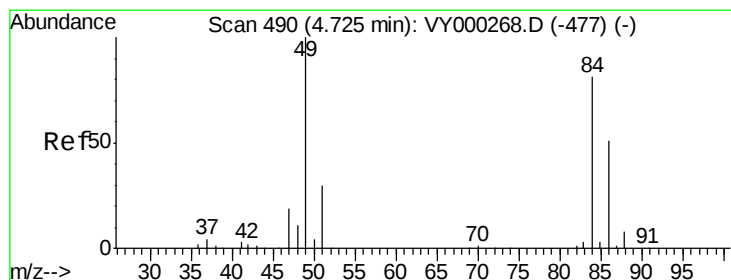
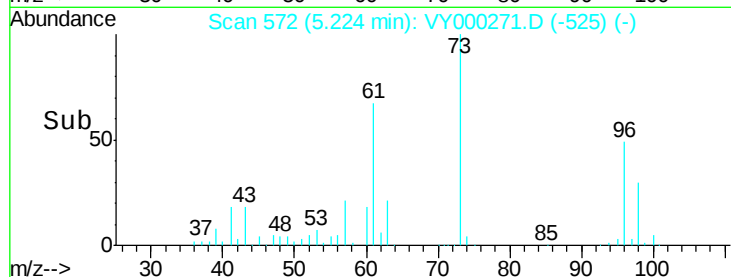
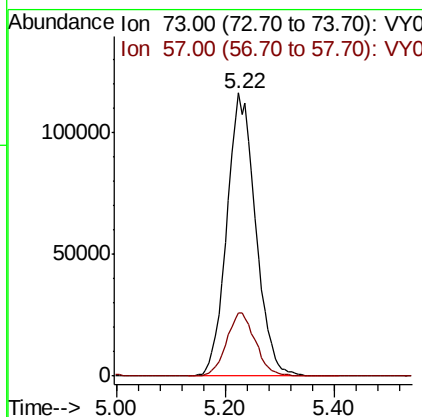
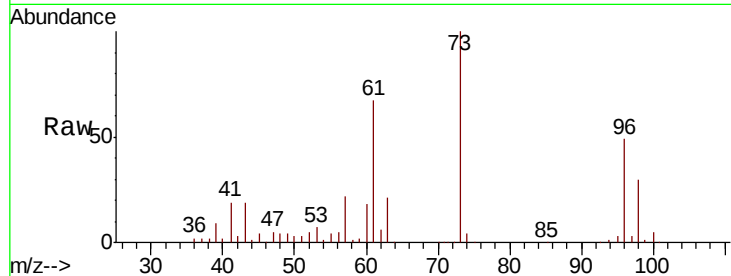
#19
Methvl tert-butvl Ether
Concen: 52.058 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion: 73 Resp: 428735
Ion Ratio Lower Upper
73 100
57 22.4 17.4 26.0

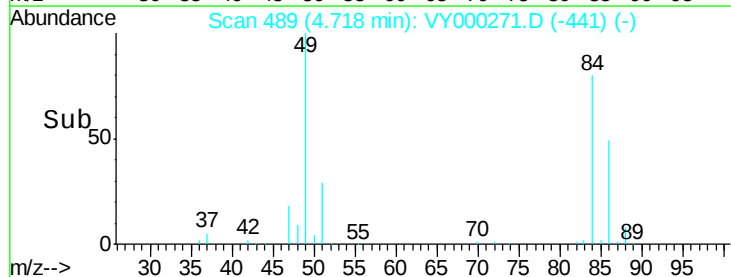
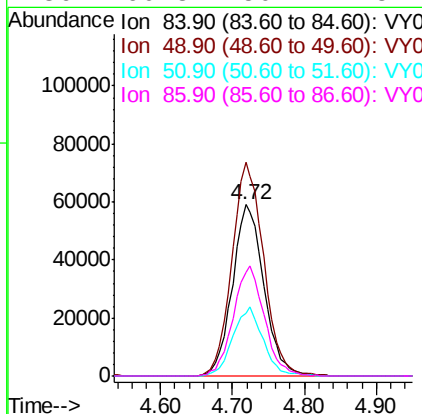
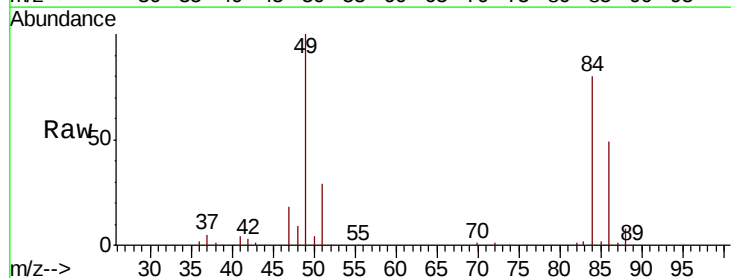
Manual Integrations
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#20
Methylene Chloride
Concen: 53.584 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion: 84 Resp: 179343
Ion Ratio Lower Upper
84 100
49 124.6 99.0 148.4
51 36.5 29.3 43.9
86 60.8 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 52.603 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion: 96 Resp: 178546

Ion Ratio Lower Upper

96 100

61 137.0 100.4 150.6

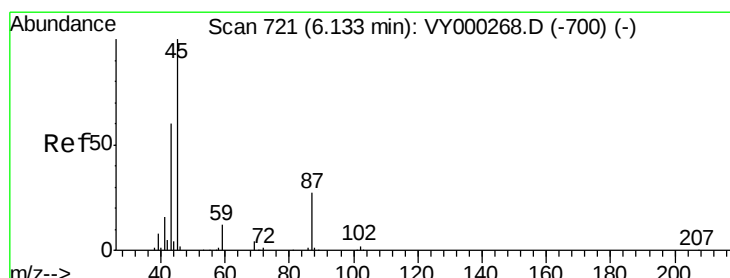
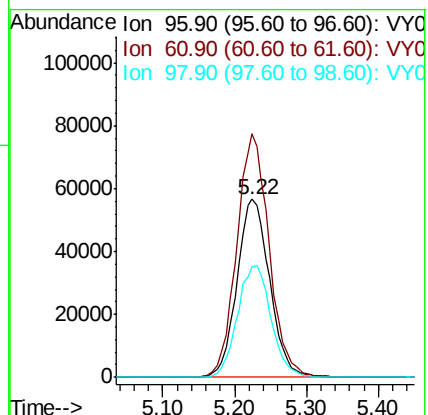
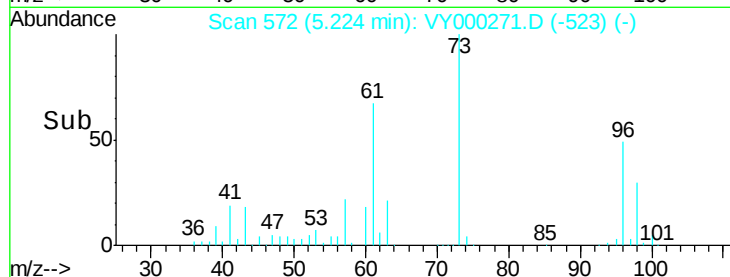
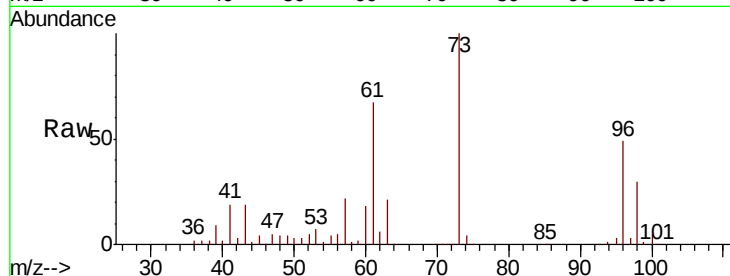
98 62.1 44.6 66.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 55.473 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Tgt Ion: 45 Resp: 575216

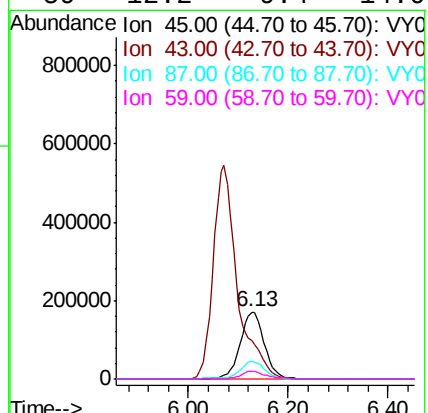
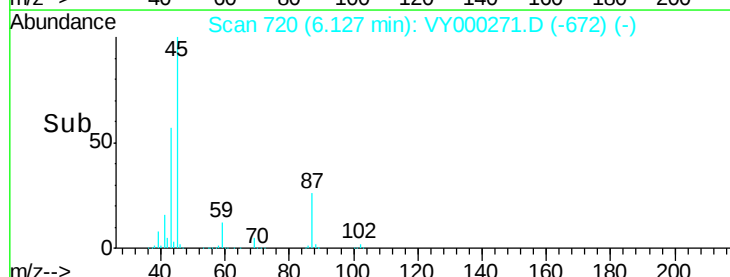
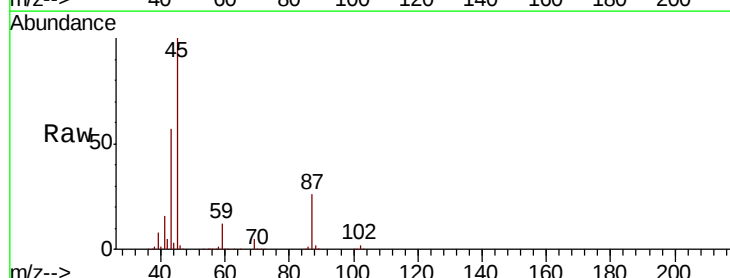
Ion Ratio Lower Upper

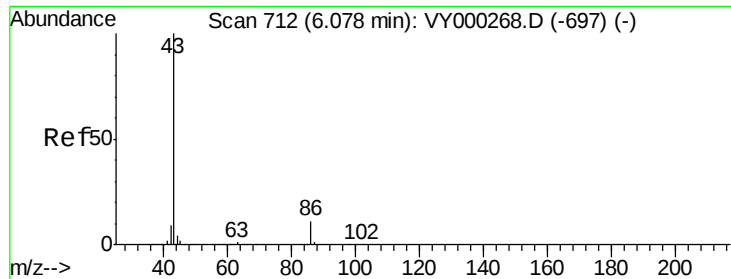
45 100

43 57.1 48.5 72.7

87 25.9 21.5 32.3

59 12.2 9.4 14.0





#23

Vinyl Acetate

Concen: 270.374 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion: 43 Resp: 1829015

Ion Ratio Lower Upper

43 100

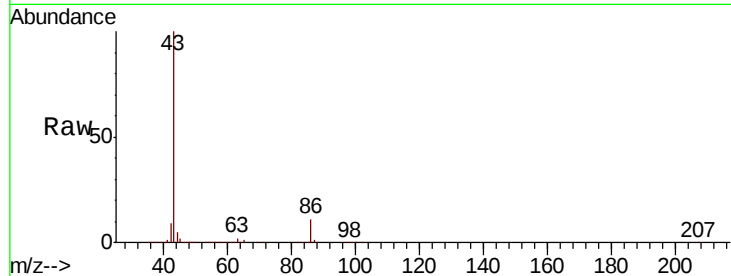
86 11.5 8.6 13.0

Manual Integrations

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MMDadoda

10/15/2019 12:33:57 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

500000

400000

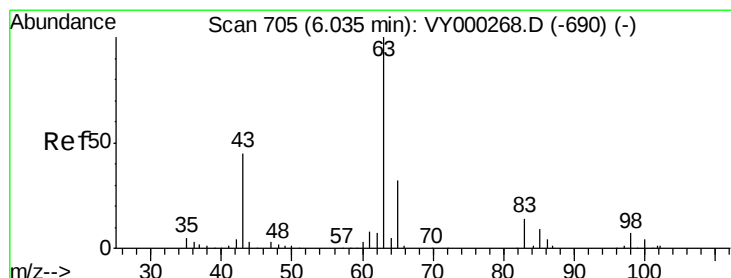
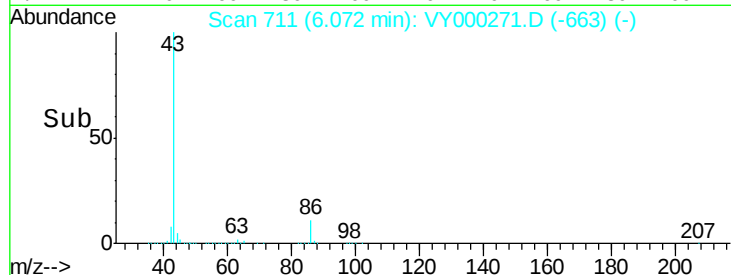
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 55.011 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

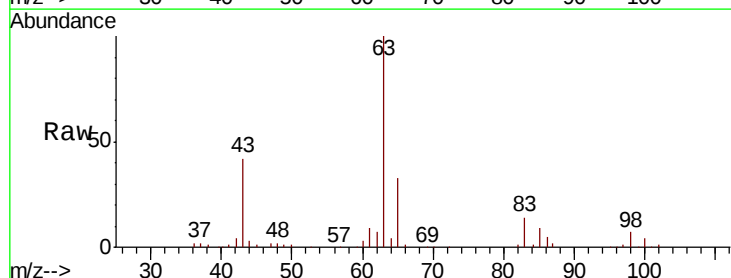
Tgt Ion: 63 Resp: 311357

Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.4

100 4.5 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

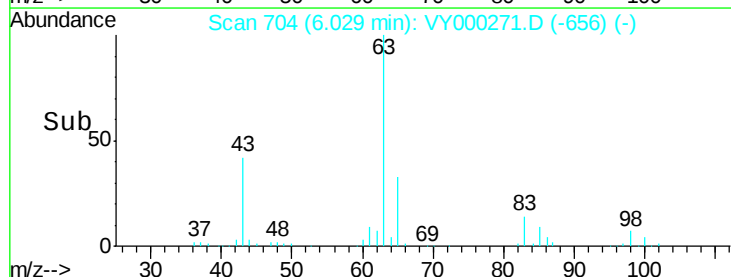
6.03

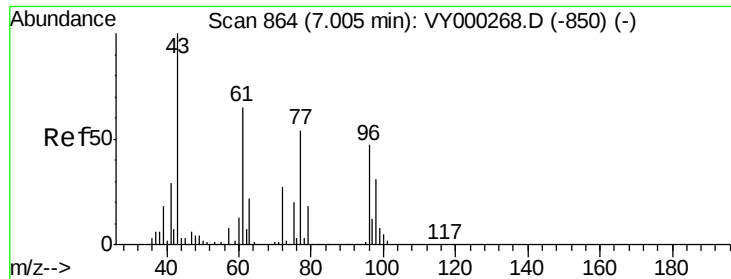
100000

50000

0

Time-->





#25

2-Butanone

Concen: 249.725 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion: 43 Resp: 352005

Ion Ratio Lower Upper

43 100

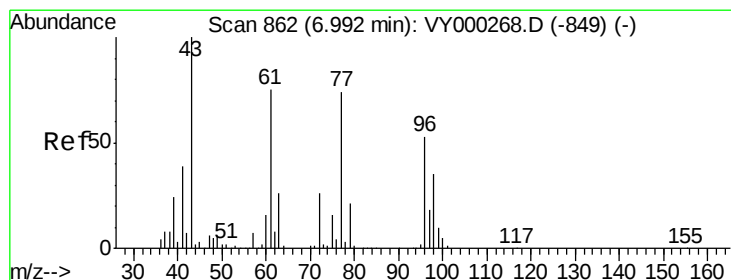
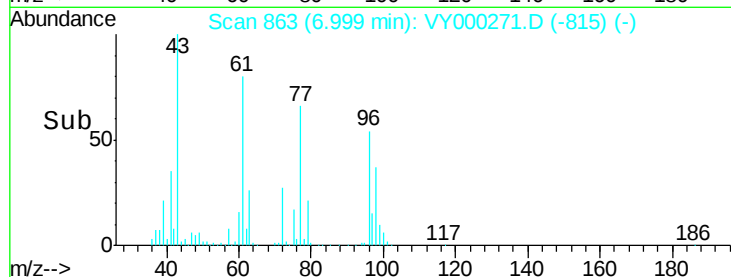
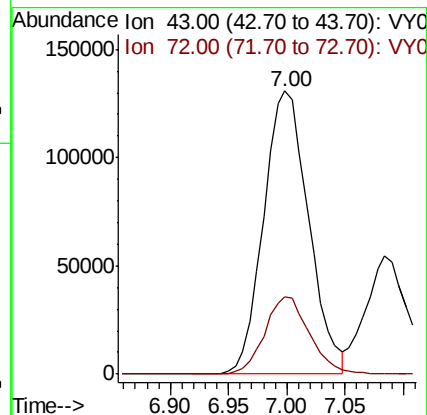
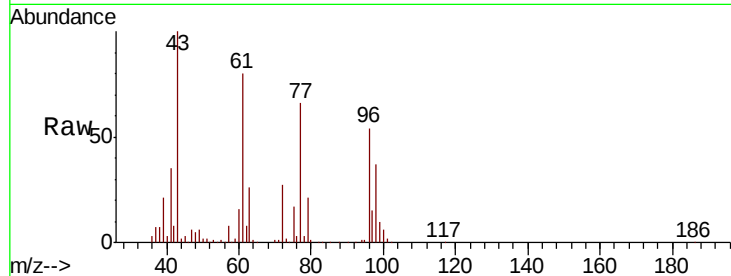
72 27.3 21.4 32.2

Manual Integrations

APPROVED

MMDadoda

10/15/2019 12:33:57 PM



#26

2,2-Dichloropropane

Concen: 54.555 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY000271.D

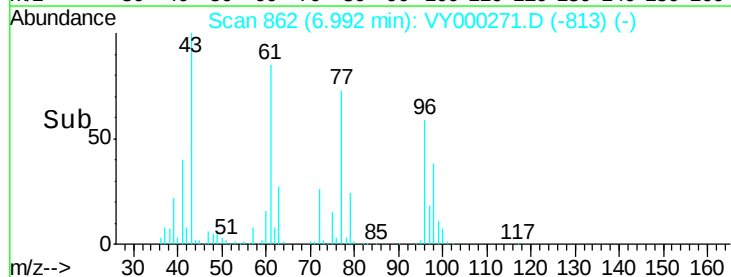
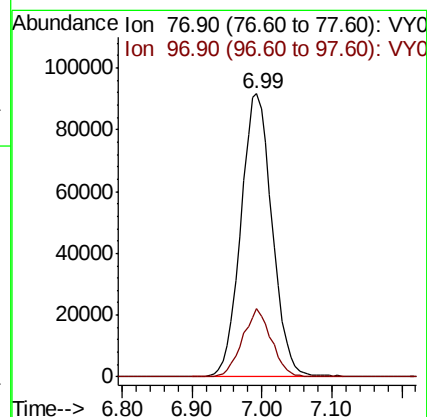
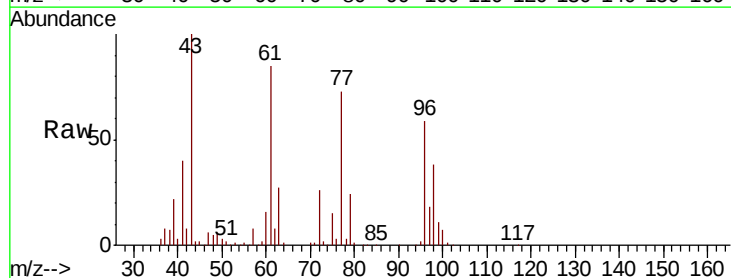
Acq: 11 Oct 2019 15:13

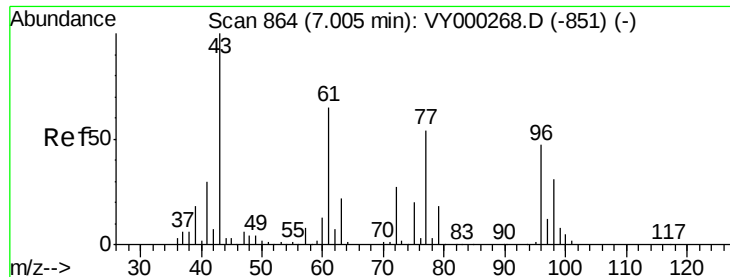
Tgt Ion: 77 Resp: 284527

Ion Ratio Lower Upper

77 100

97 22.3 11.6 34.7





#27

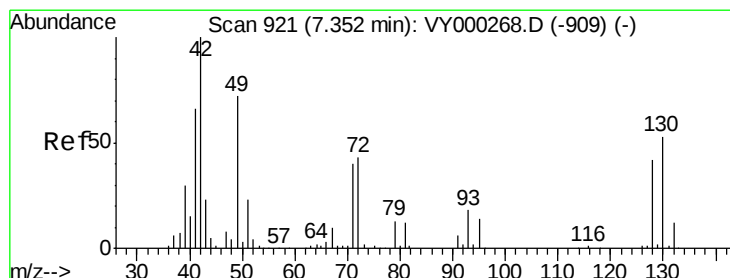
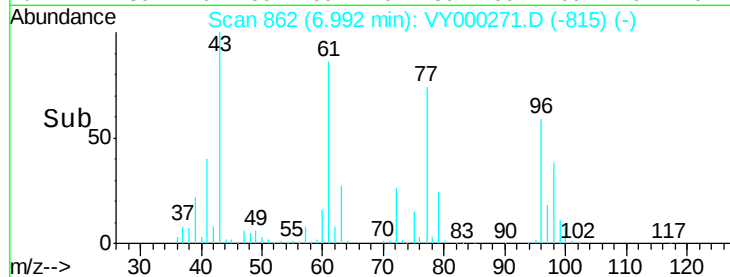
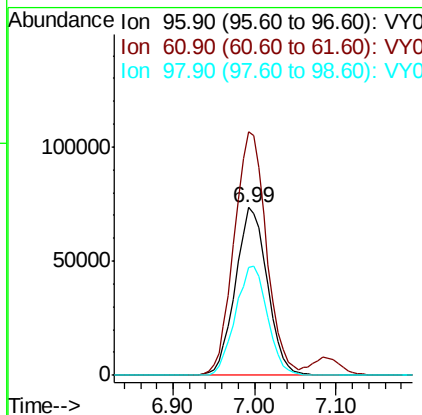
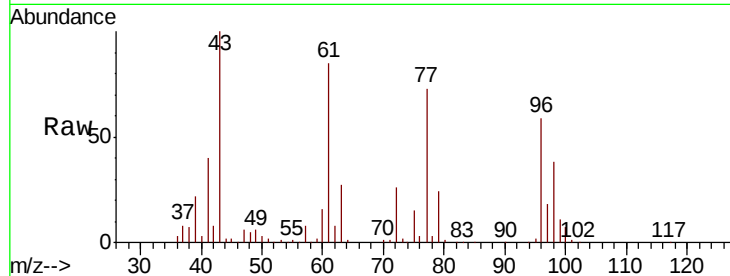
cis-1,2-Dichloroethene
Concen: 54.317 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Resp	Lower	Upper
96	100	199496		
61	146.6	0.0	289.8	
98	65.3	0.0	131.8	

Manual Integrations
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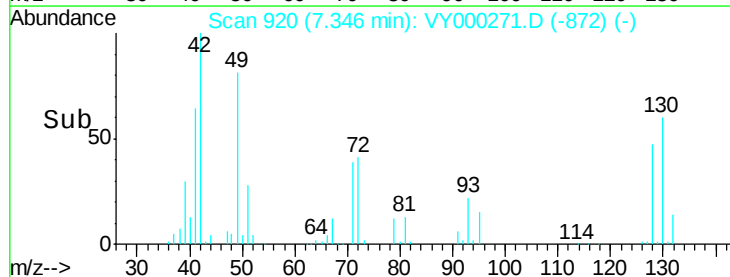
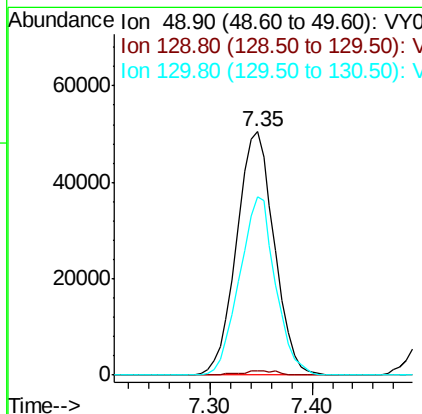
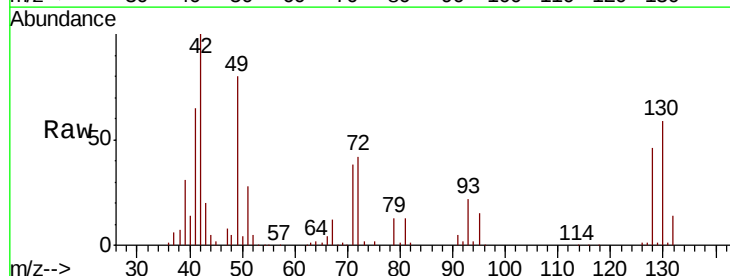
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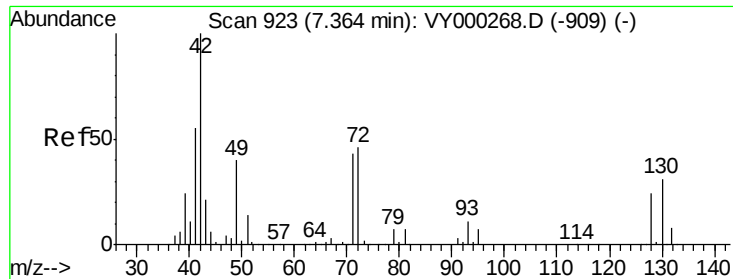


#28

Bromochloromethane
Concen: 53.214 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	129296		
129	1.9	0.0	4.0	
130	70.4	58.2	87.2	





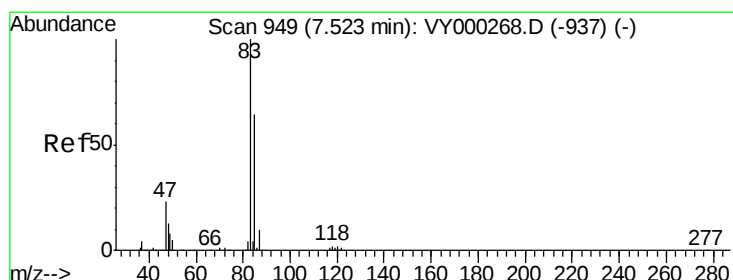
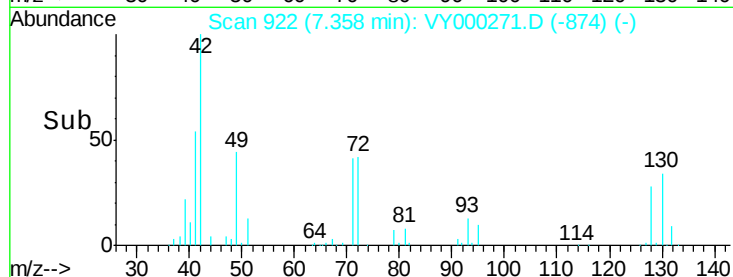
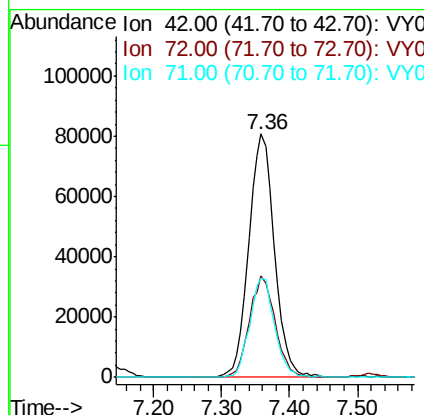
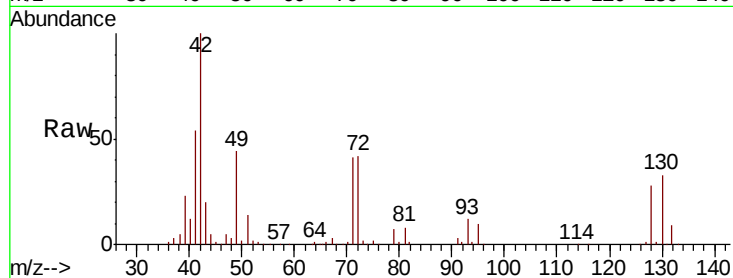
#29
Tetrahydrofuran
Concen: 248.747 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	34.5	51.7
71	39.6	32.7	49.1

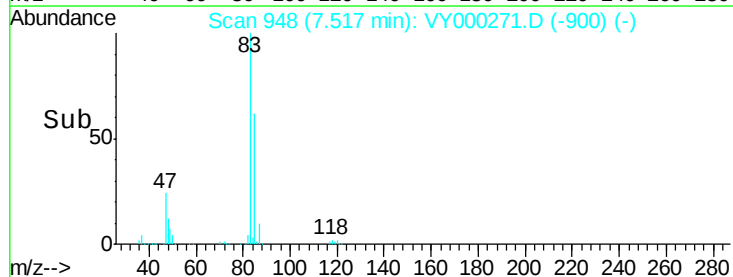
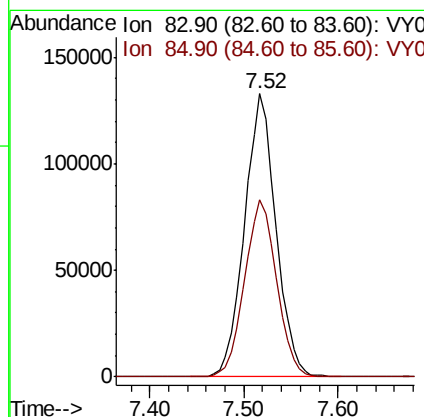
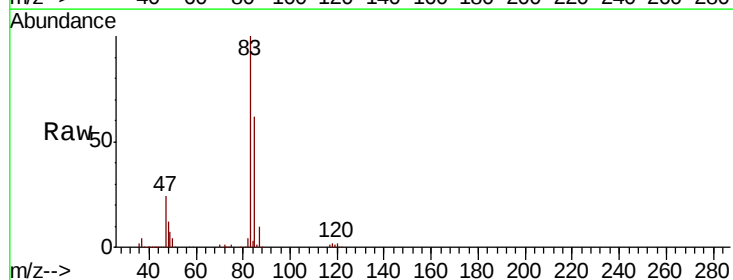
Manual Integrations
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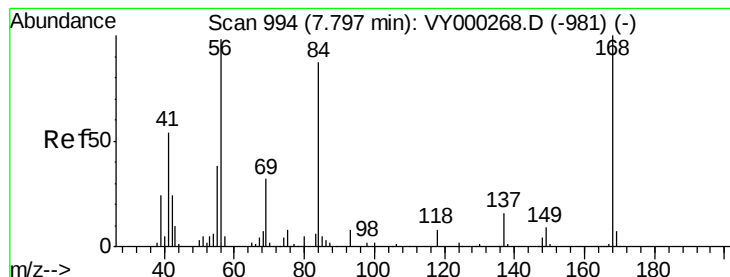
MMDadoda
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#30
Chloroform
Concen: 54.564 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	51.4	77.2





#31

Cyclohexane

Concen: 53.451 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion: 56 Resp: 315974

Ion Ratio Lower Upper

56 100

69 33.5 26.3 39.5

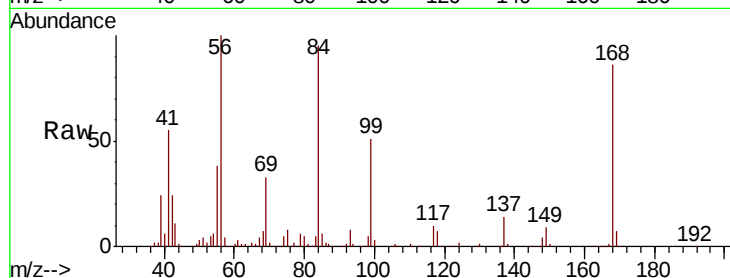
84 93.8 70.8 106.2

Manual Integrations

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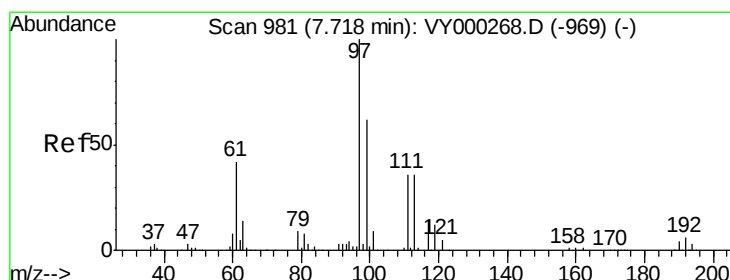
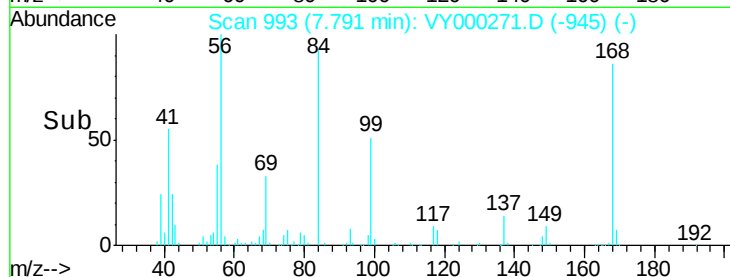
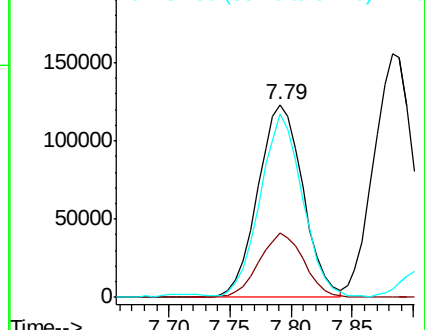


Abundance

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: 55.362 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

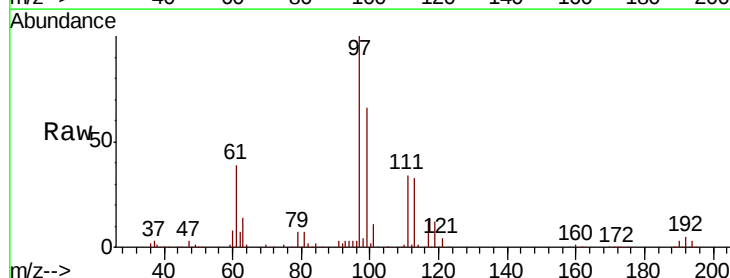
Tgt Ion: 97 Resp: 280546

Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

61 43.4 34.5 51.7

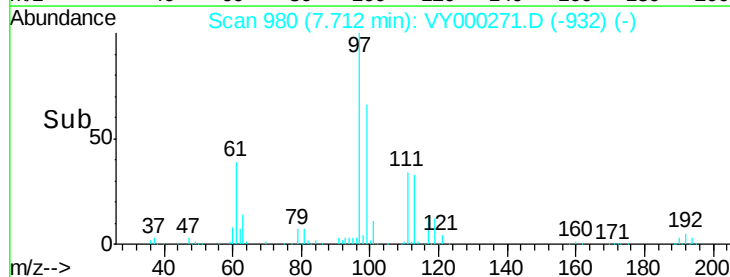
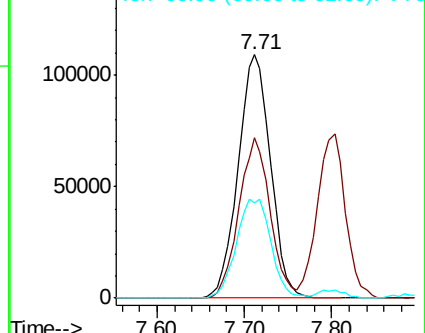


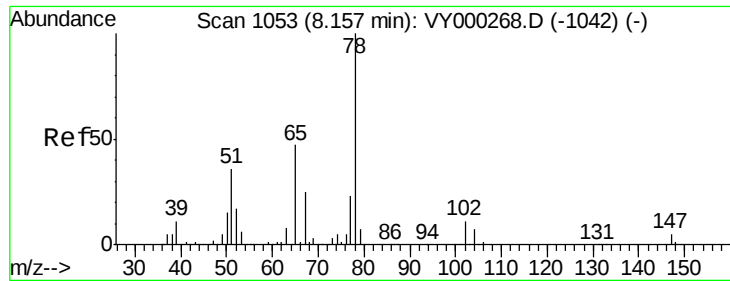
Abundance

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





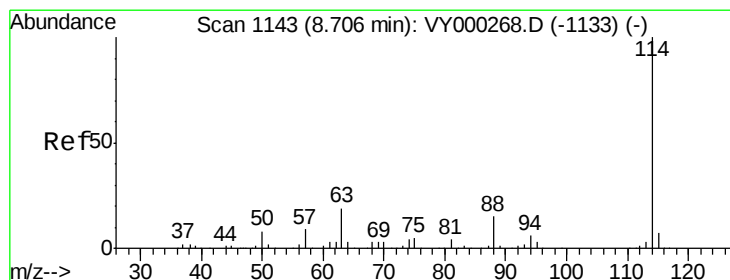
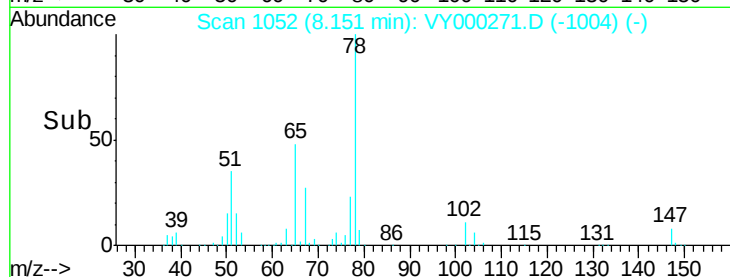
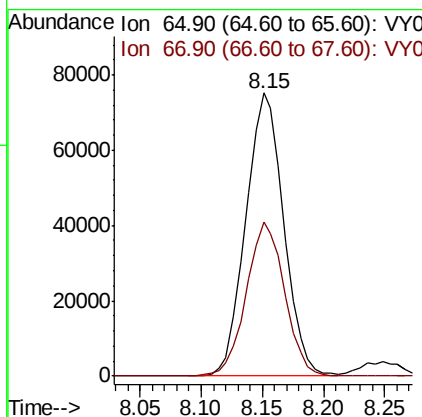
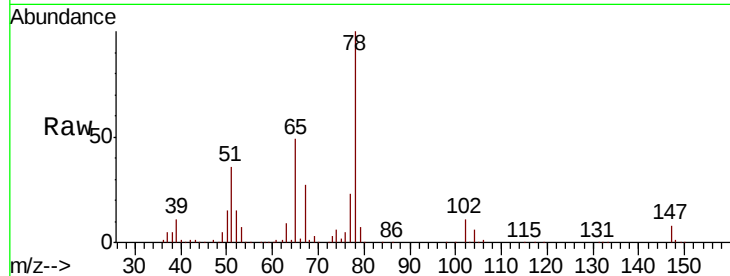
#33
 1,2-Dichloroethane-d4
 Concen: 52.560 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162404		
67	54.7	0.0	109.4	

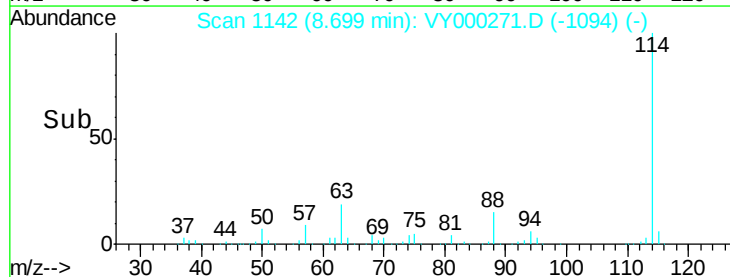
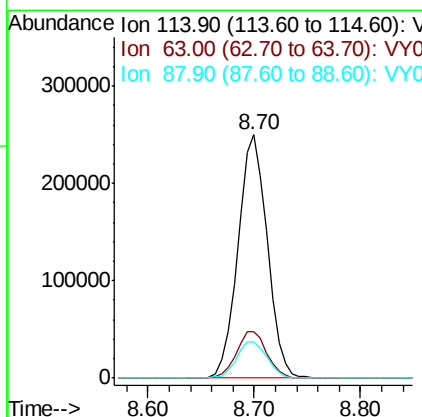
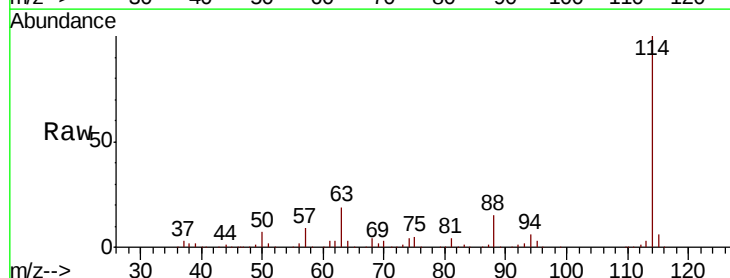
Manual Integrations
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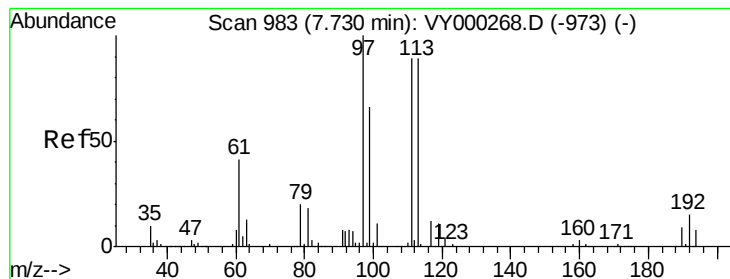
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	482750		
63	18.9	0.0	37.2	
88	14.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 52.150 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

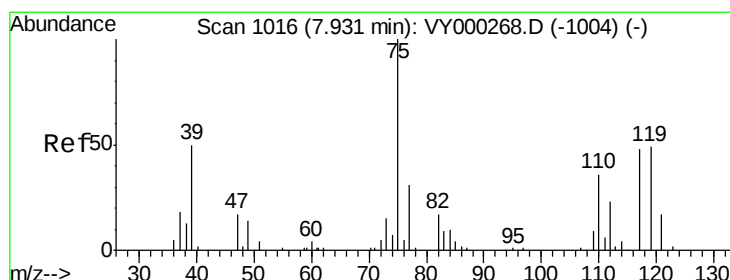
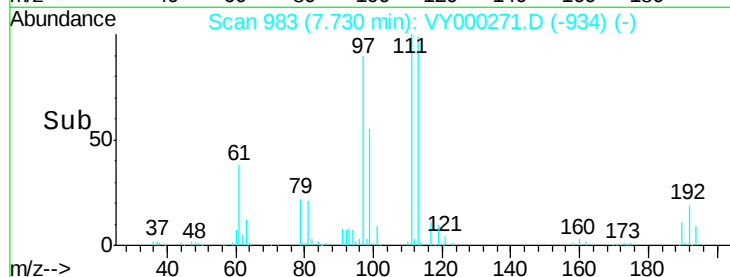
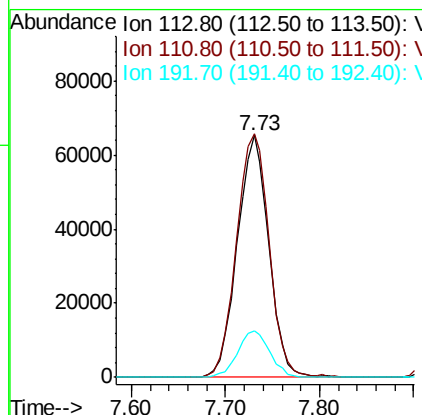
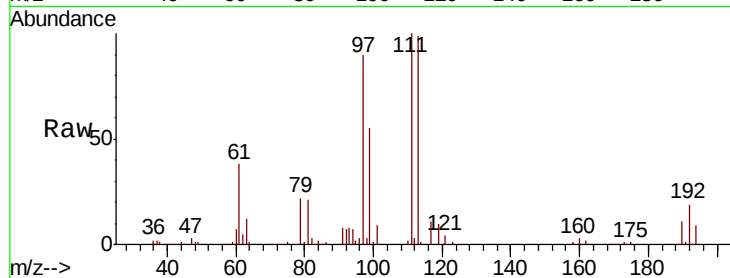
ClientSampleId :

ICVVY101119

Tot Ion:	113	Resp:	151860
Ion	Ratio	Lower	Upper
113	100		
111	104.2	81.6	122.4
192	19.6	15.3	22.9

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#36

1,1-Dichloropropene

Concen: 53.518 ug/l

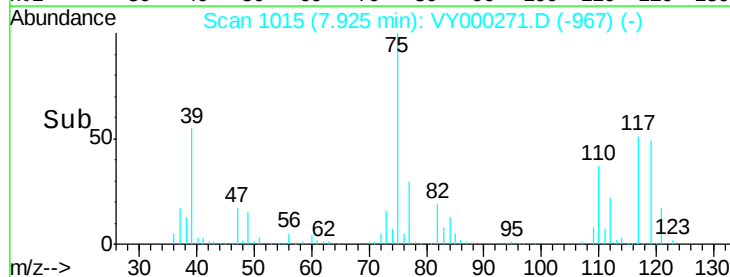
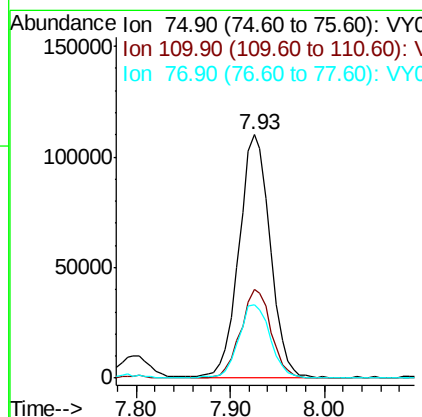
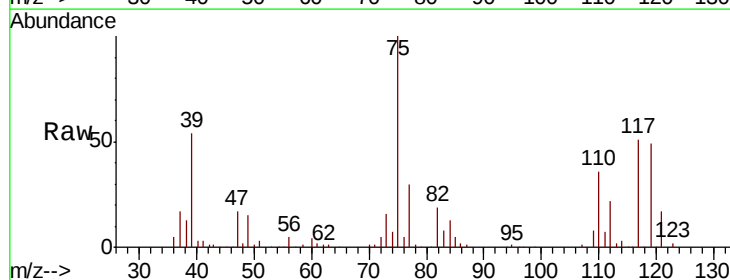
RT: 7.93 min Scan# 1015

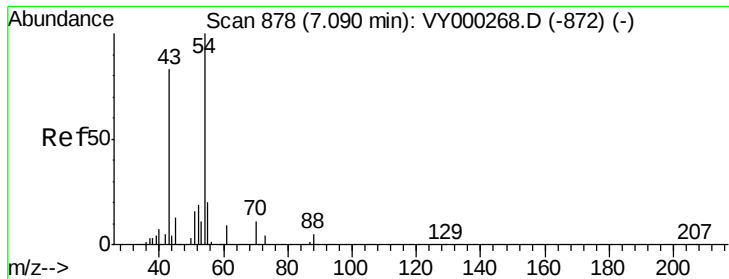
Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Tgt Ion:	75	Resp:	252947
Ion	Ratio	Lower	Upper
75	100		
110	35.8	18.4	55.4
77	30.8	25.0	37.6





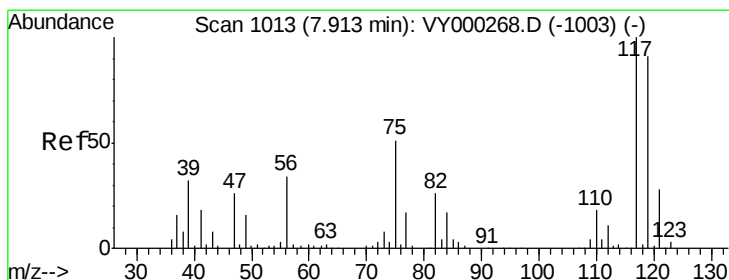
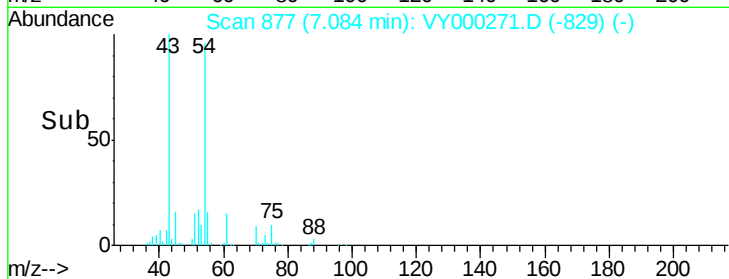
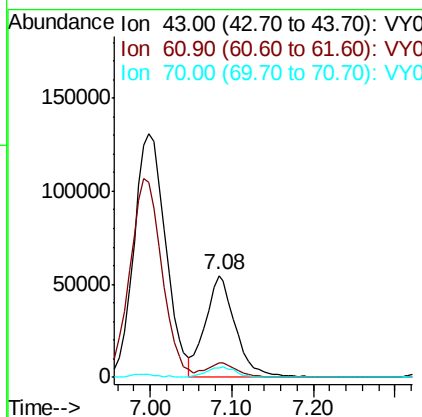
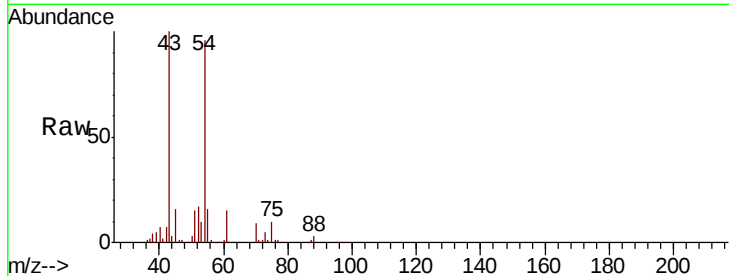
#37
Ethyl Acetate
Concen: 50.072 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.1	18.1
70	10.1	8.7	13.1

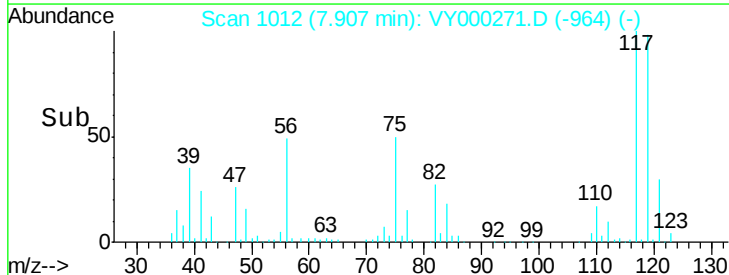
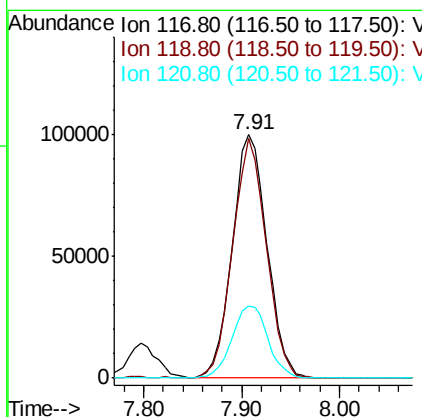
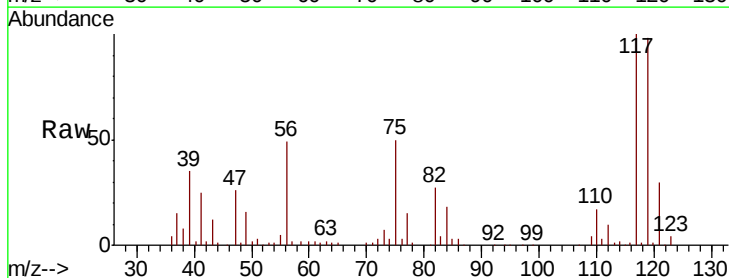
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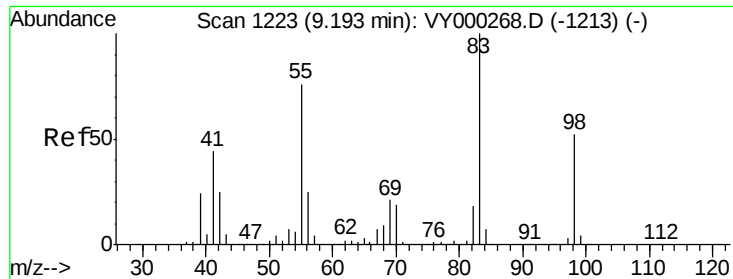
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#38
Carbon Tetrachloride
Concen: 53.935 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.4	72.8	109.2
121	29.7	22.2	33.2





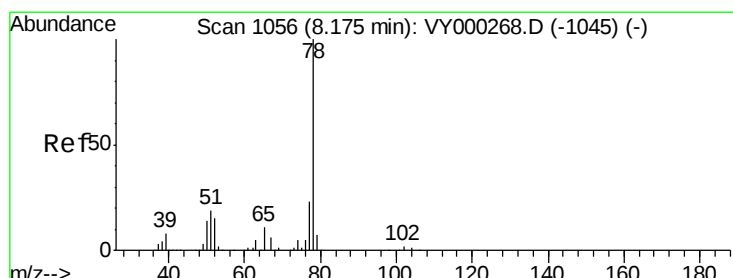
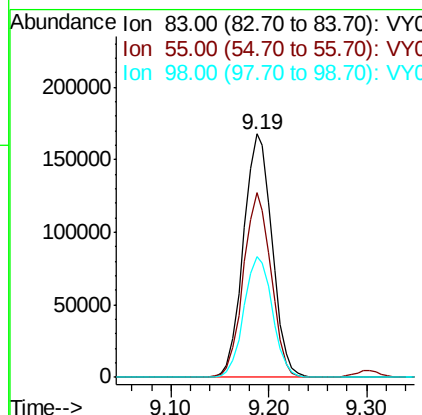
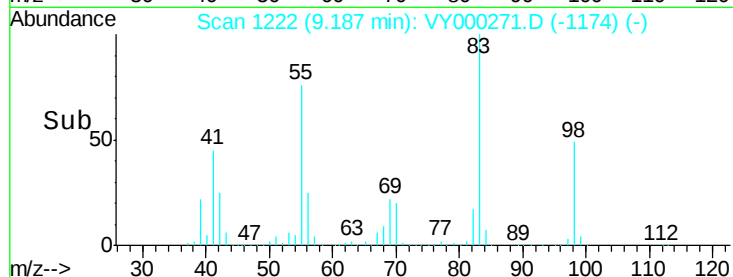
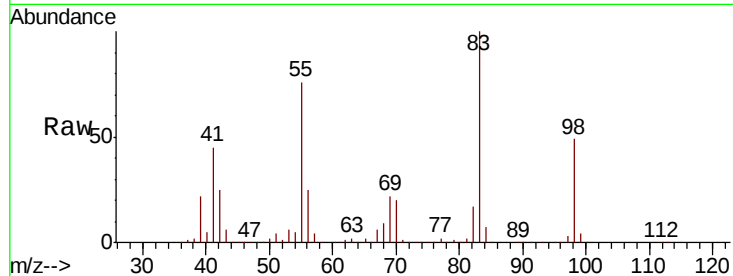
#39
Methvlcvclohexane
Concen: 54.917 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	60.9	91.3
98	49.4	41.8	62.6

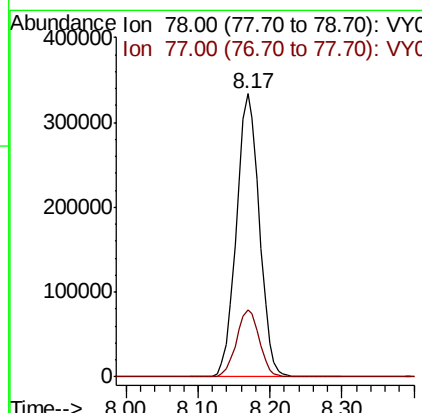
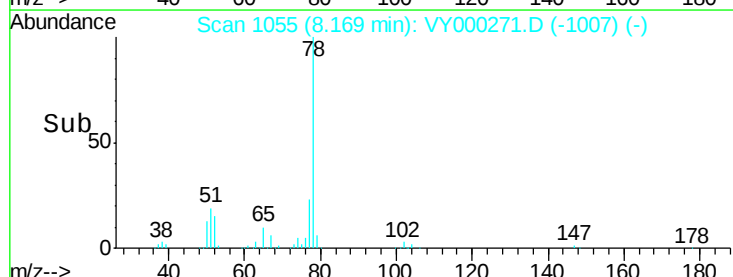
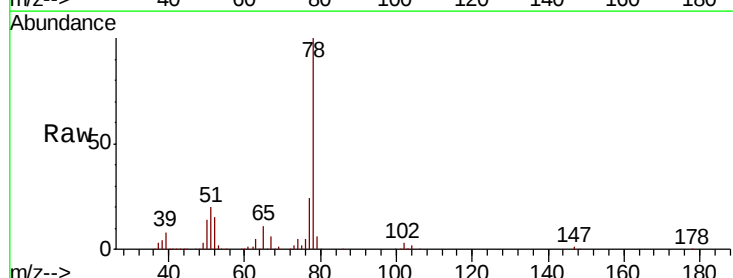
Manual Integrations
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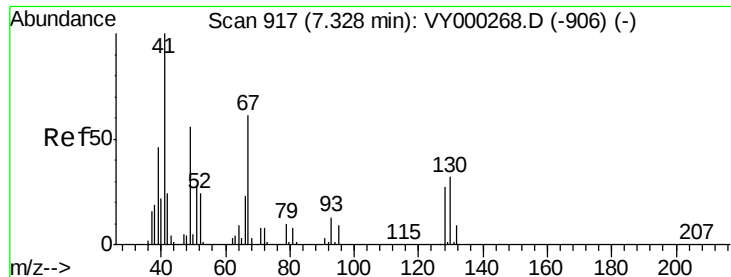
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#40
Benzene
Concen: 53.911 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





#41

Methacrylonitrile

Concen: 46.952 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion: 41 Resp: 62547

Ion Ratio Lower Upper

41 100

39 141.4 110.2 165.2

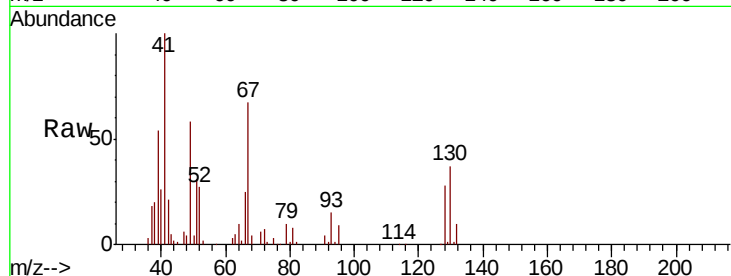
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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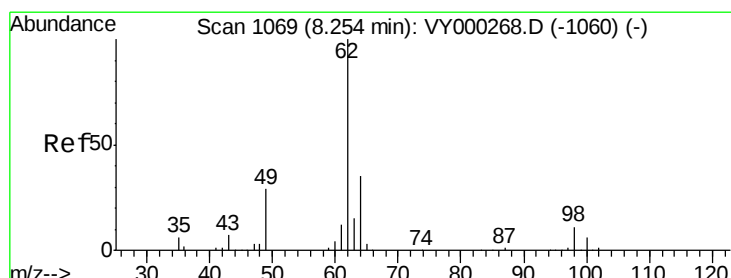
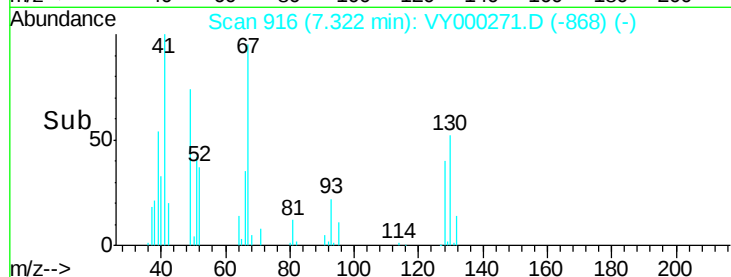
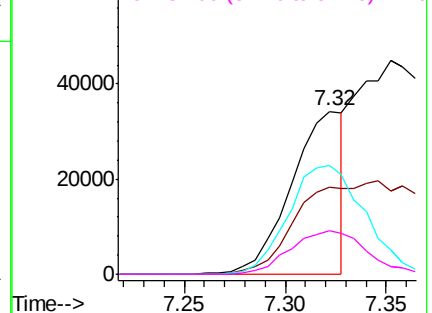


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 50.880 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000271.D

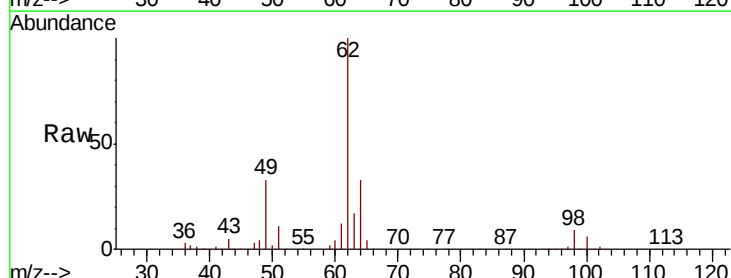
Acq: 11 Oct 2019 15:13

Tgt Ion: 62 Resp: 198515

Ion Ratio Lower Upper

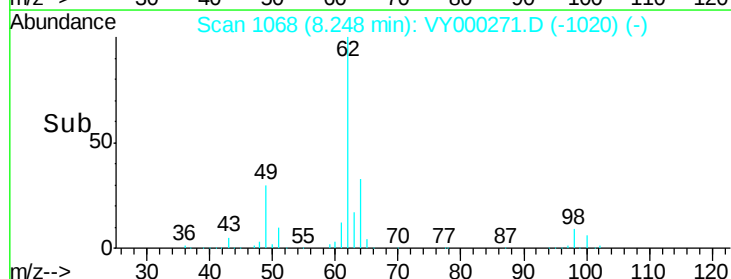
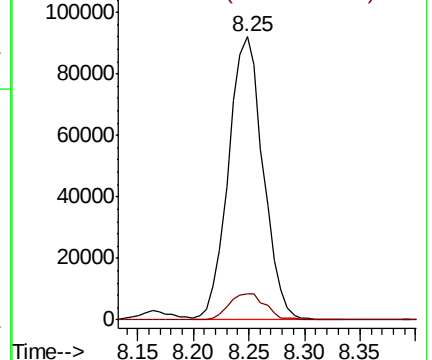
62 100

98 10.0 0.0 20.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





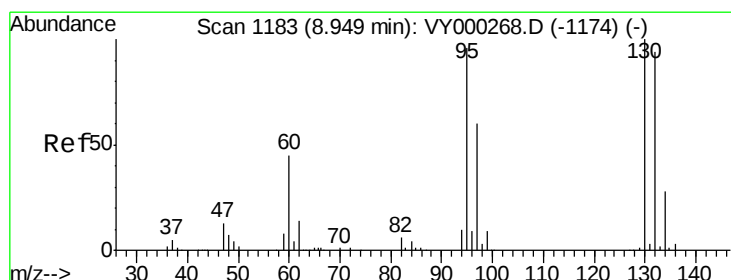
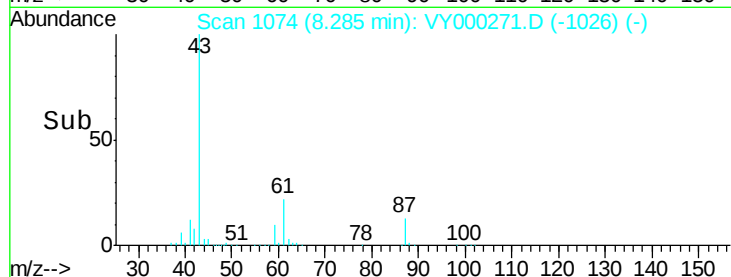
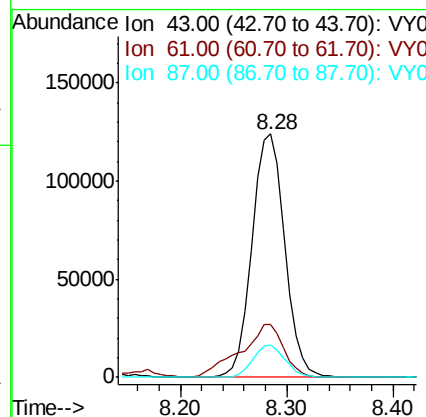
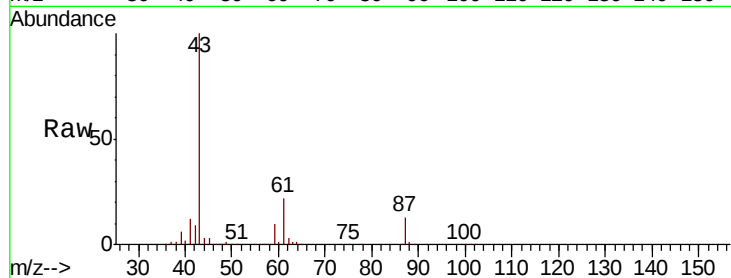
#43
Isopropyl Acetate
Concen: 50.163 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVY101119

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	22.3	33.5
87	12.9	10.9	16.3

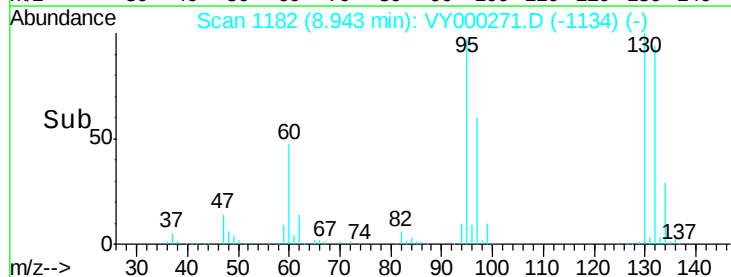
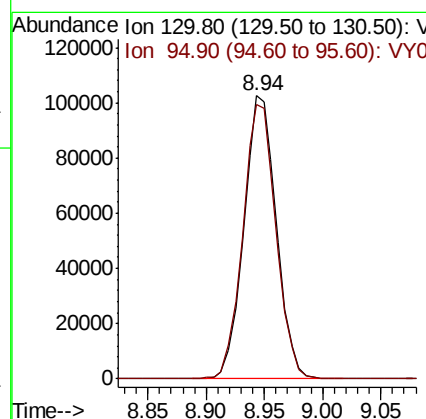
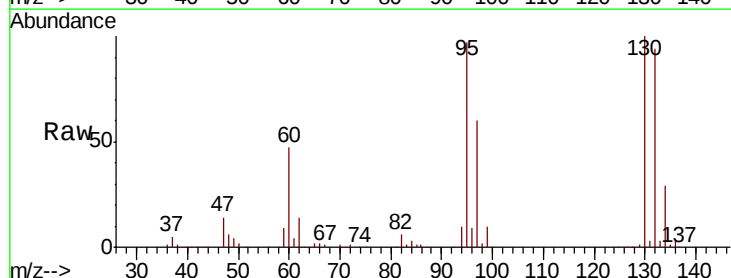
Manual Integrations
APPROVED

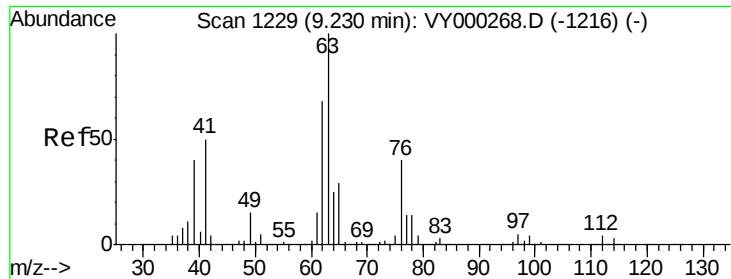
MMDadoda
10/15/2019 12:33:57 PM



#44
Trichloroethene
Concen: 51.834 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.2	0.0	191.4





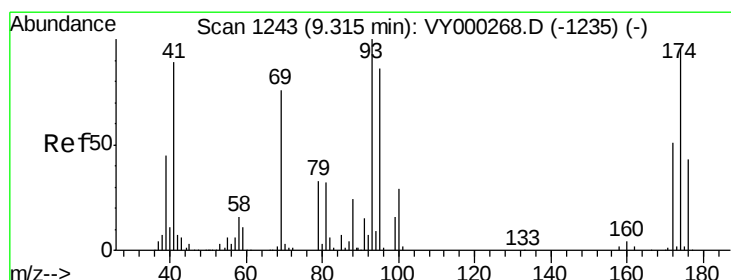
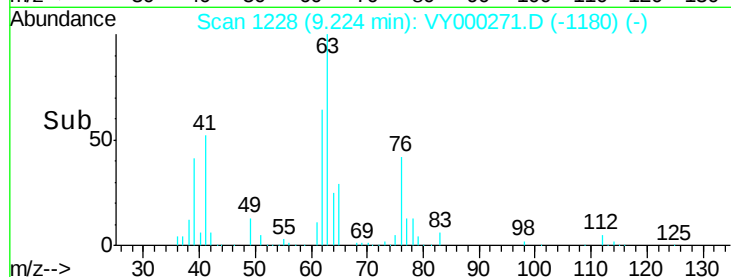
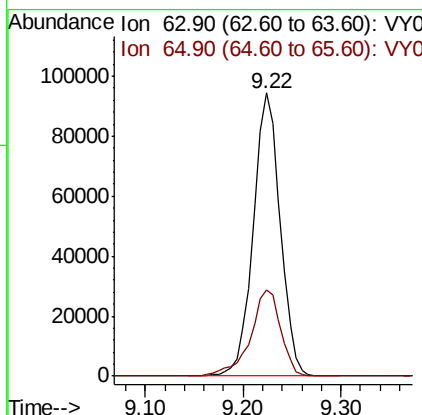
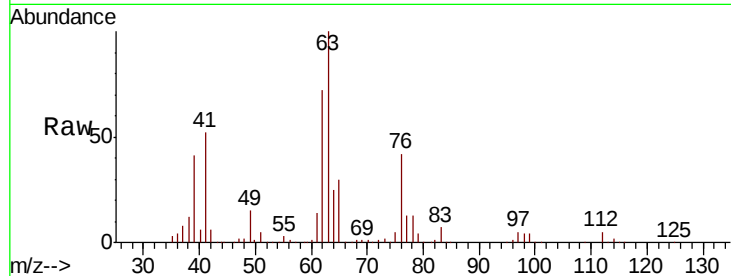
#45
 1,2-Dichloropropane
 Concen: 53.739 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
65	30.4	23.2	34.8	

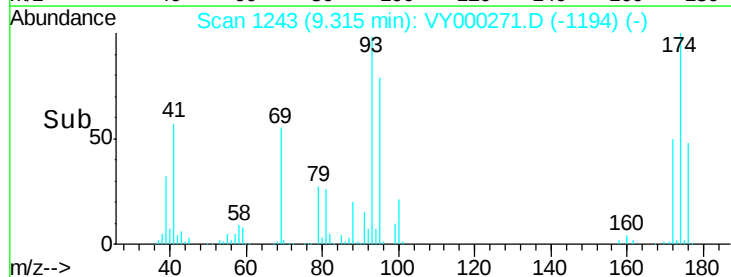
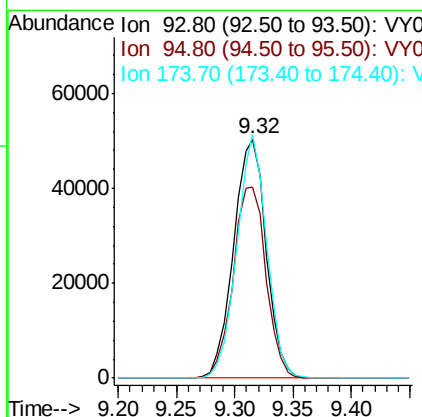
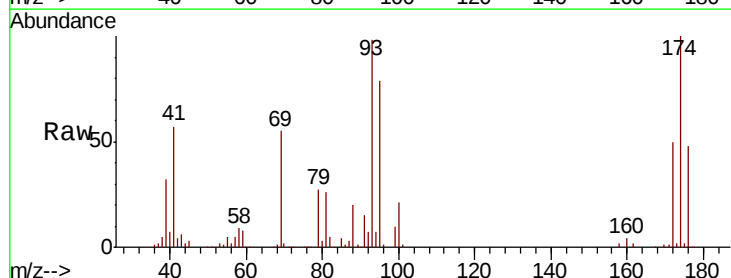
Manual Integrations
 APPROVED

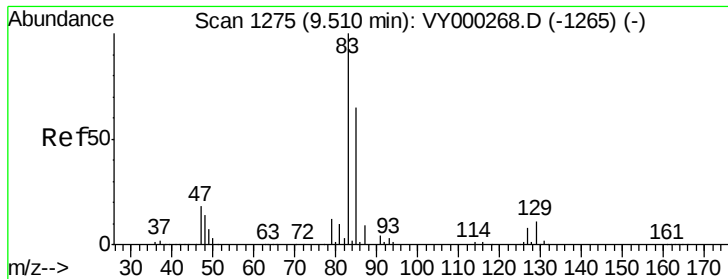
MMDadoda
 10/15/2019 12:33:57 PM



#46
 Dibromomethane
 Concen: 52.306 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
93	100			
95	81.1	68.2	102.2	
174	93.8	79.8	119.6	





#47

Bromodichloromethane

Concen: 53.606 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

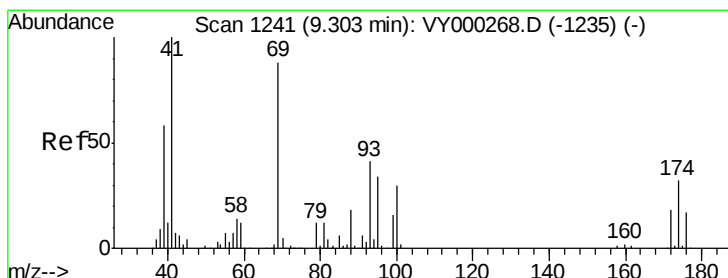
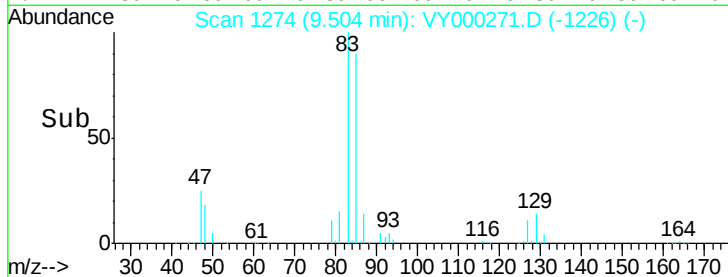
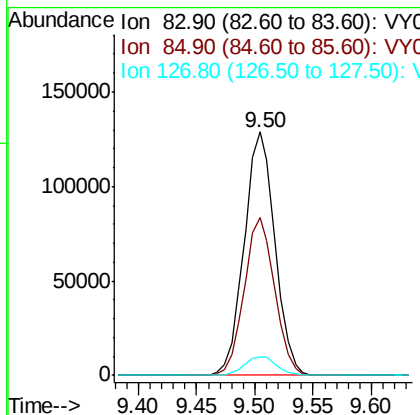
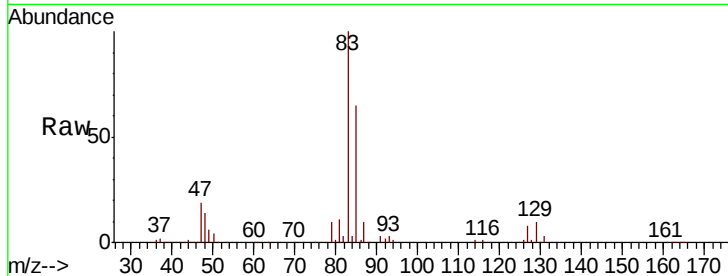
ClientSampleId :

ICVVY101119

Tot Ion:	83	Resp:	236724
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.2
127	7.7	6.3	9.5

Manual Integrations
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10/15/2019 12:33:57 PM



#48

Methyl methacrylate

Concen: 50.961 ug/l

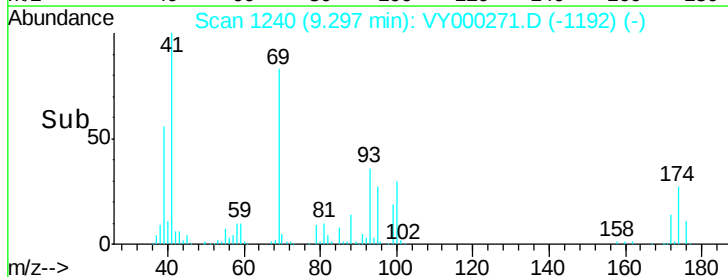
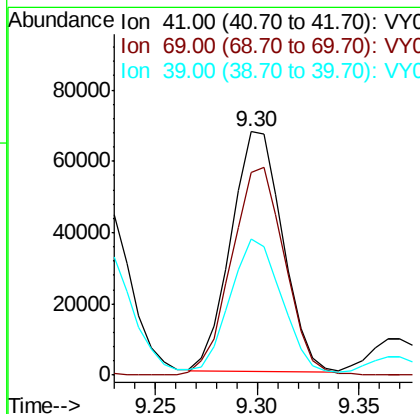
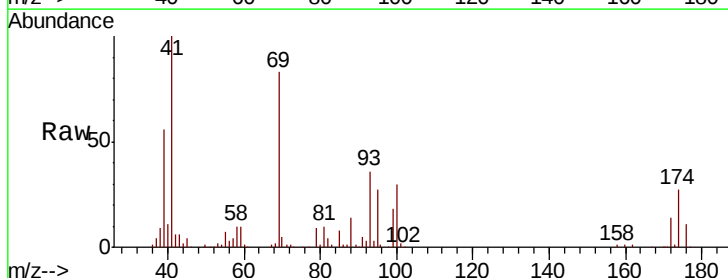
RT: 9.30 min Scan# 1240

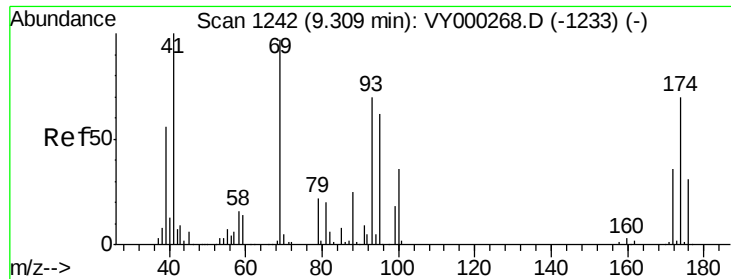
Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Tgt Ion:	41	Resp:	118846
Ion	Ratio	Lower	Upper
41	100		
69	89.1	70.0	105.0
39	57.5	47.7	71.5





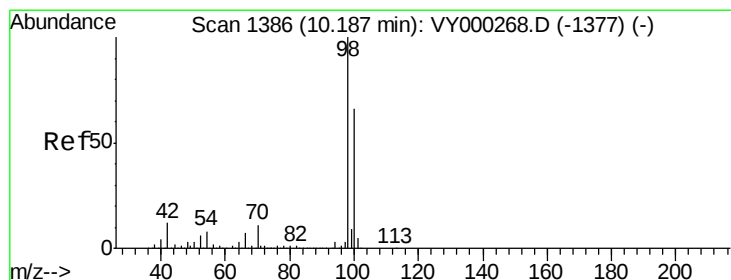
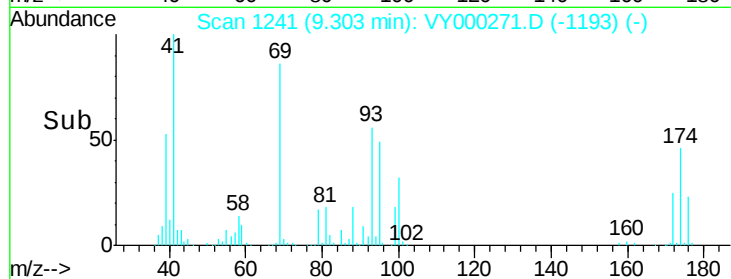
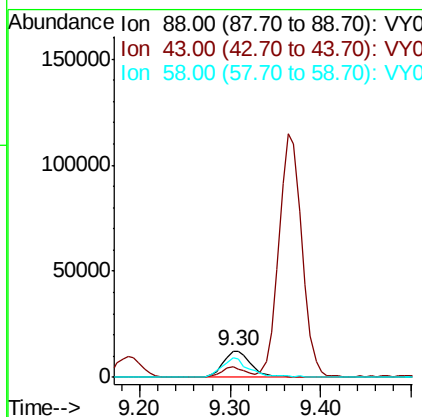
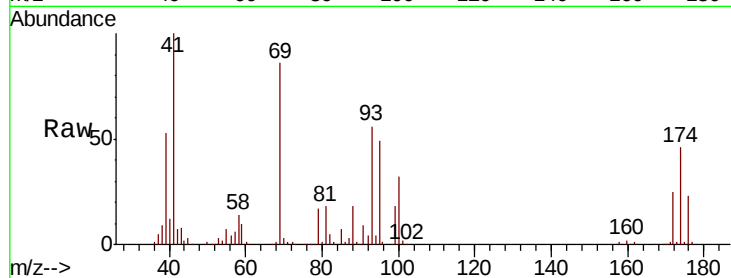
#49
 1,4-Dioxane
 Concen: 963.369 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	25.6	38.4
58	72.8	54.6	81.8

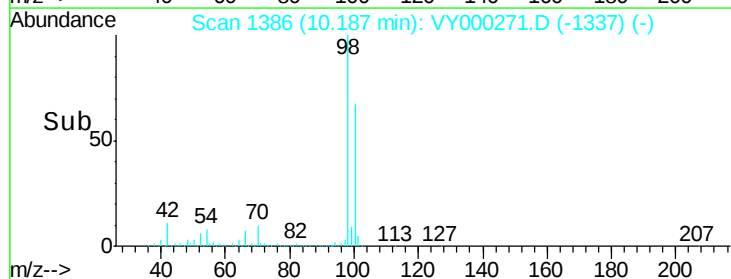
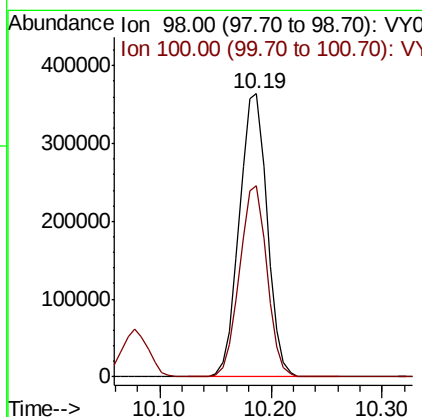
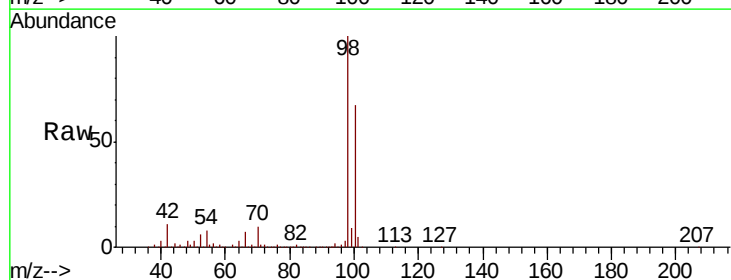
Manual Integrations
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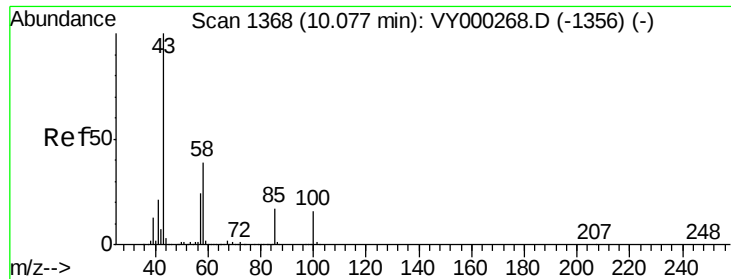
MMDadoda
 10/15/2019 12:33:57 PM



#50
 Toluene-d8
 Concen: 56.341 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 248.853 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVY101119

Tot Ion: 43 Resp: 683002

Ion Ratio Lower Upper

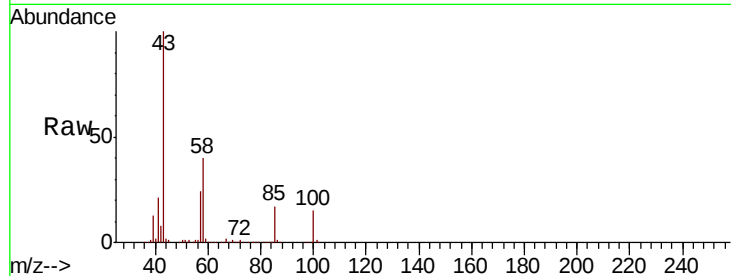
43 100

58 39.0 31.0 46.6

Manual Integrations
APPROVED

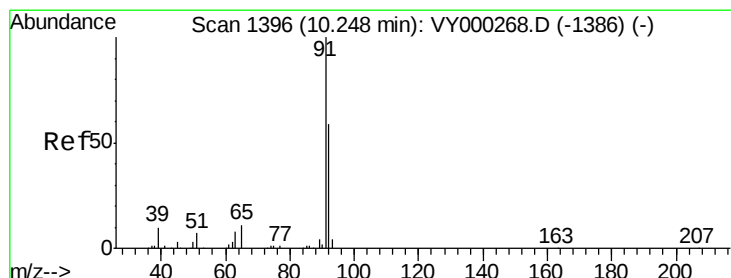
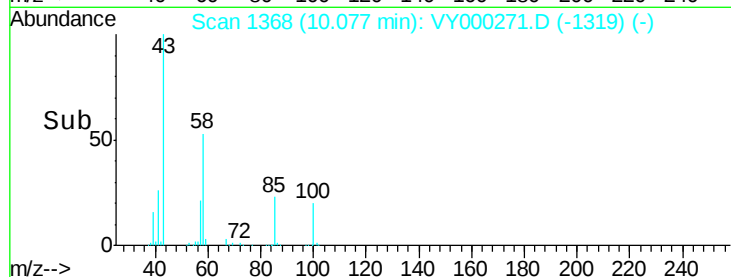
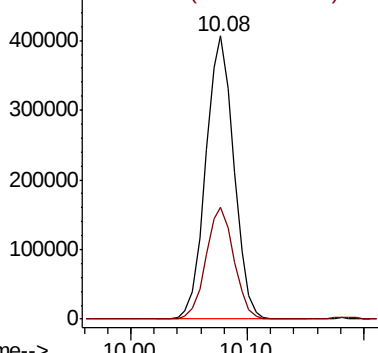
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 54.451 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000271.D

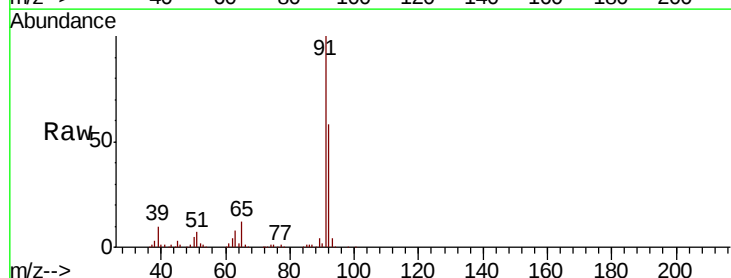
Acq: 11 Oct 2019 15:13

Tgt Ion: 92 Resp: 472193

Ion Ratio Lower Upper

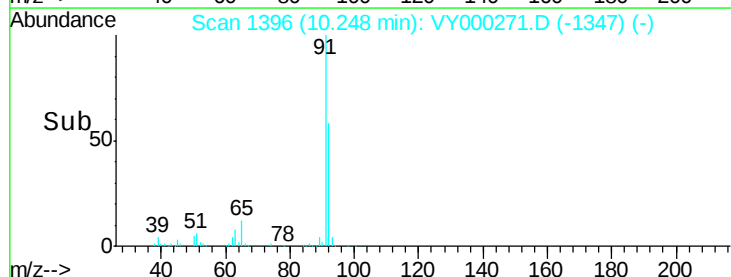
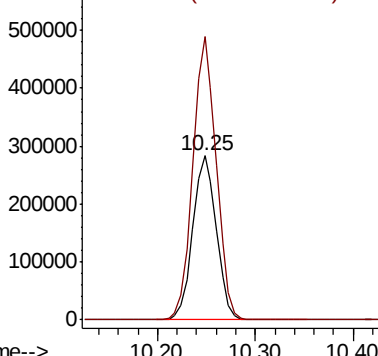
92 100

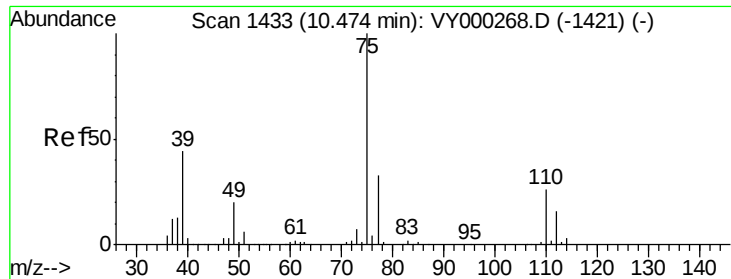
91 170.7 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





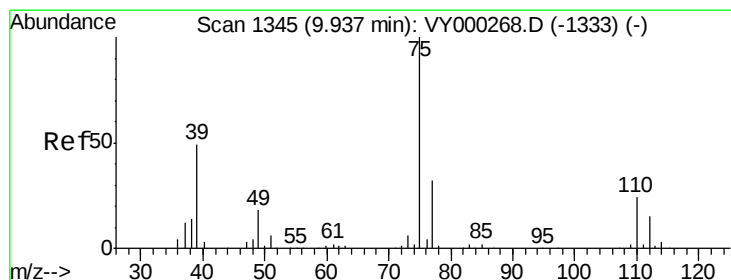
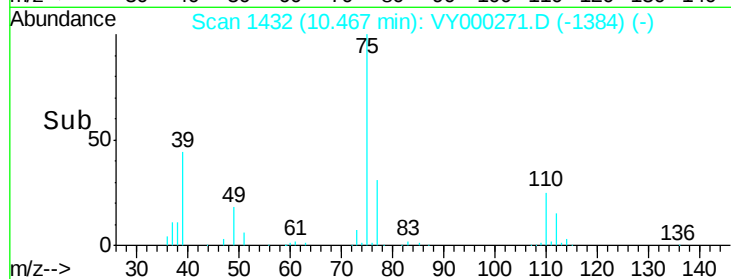
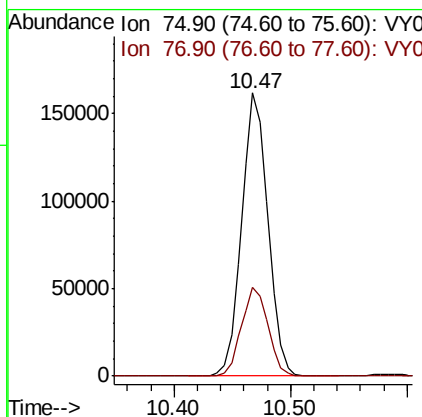
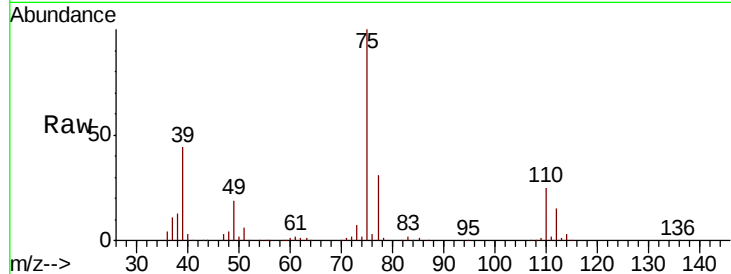
#53
 t-1,3-Dichloropropene
 Concen: 53.941 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion: 75 Resp: 255281
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.0 39.0

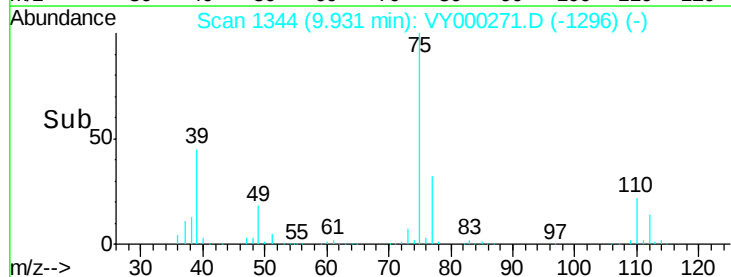
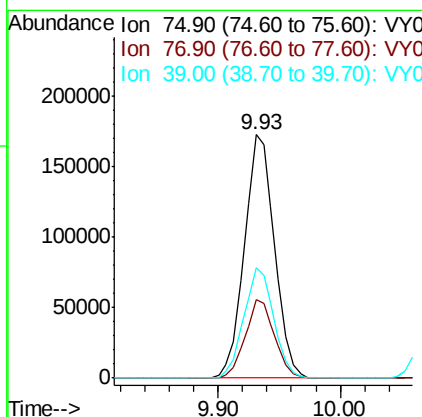
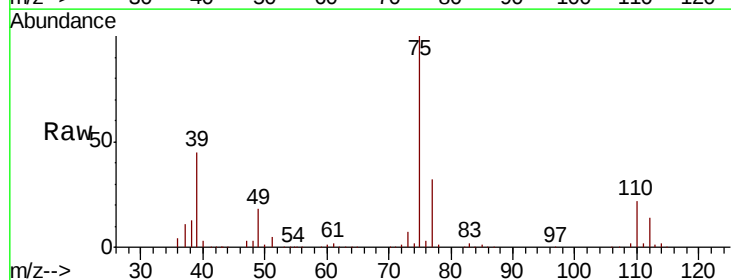
Manual Integrations
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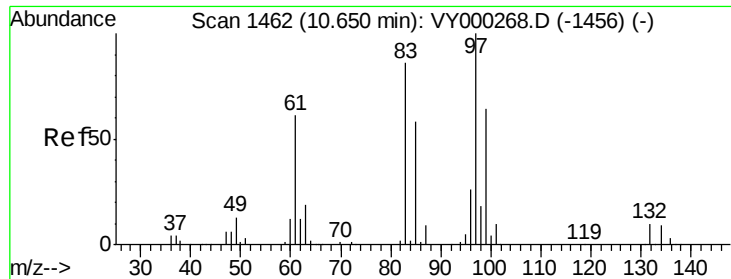
MMDadoda
 10/15/2019 12:33:57 PM



#54
 cis-1,3-Dichloropropene
 Concen: 54.664 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion: 75 Resp: 293795
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.0 39.0
 39 45.4 38.8 58.2





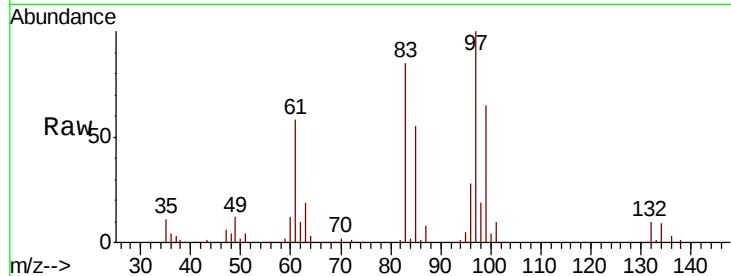
#55
 1,1,2-Trichloroethane
 Concen: 52.330 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

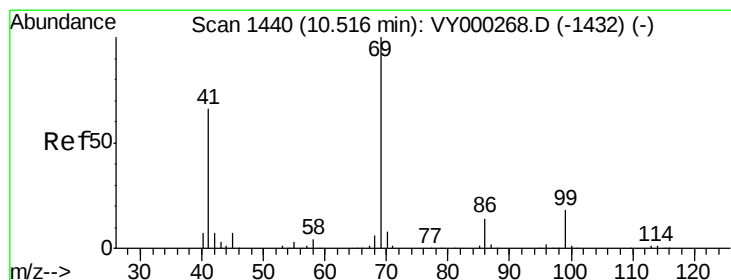
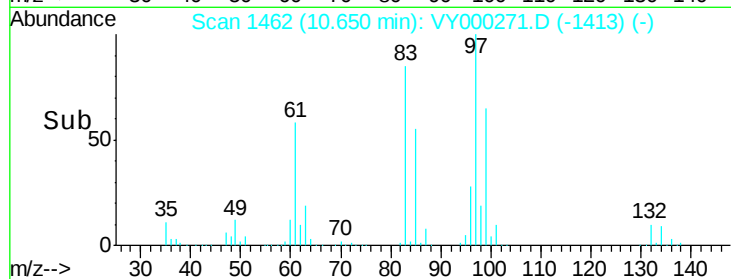
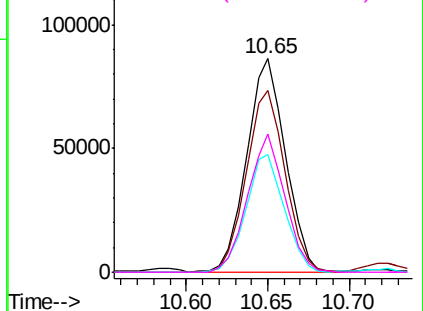
Tot Ion	97	Resp	142569
Ion	Ratio	Lower	Upper
97	100		
83	85.3	69.0	103.6
85	55.4	46.2	69.4
99	64.9	51.1	76.7

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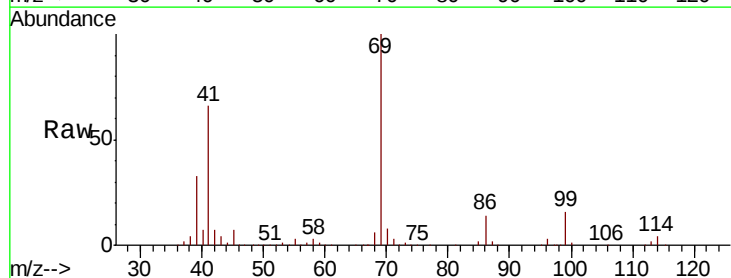


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

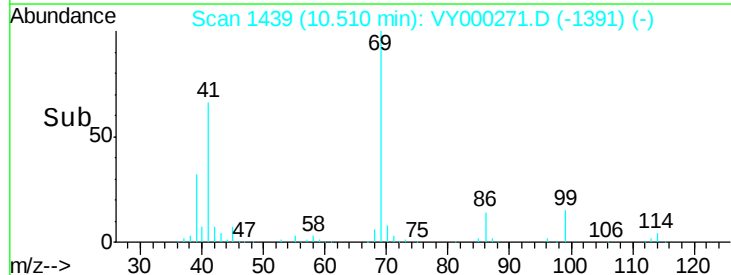
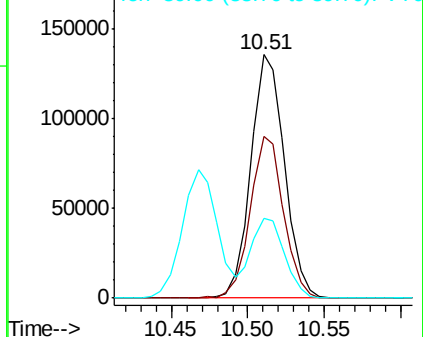


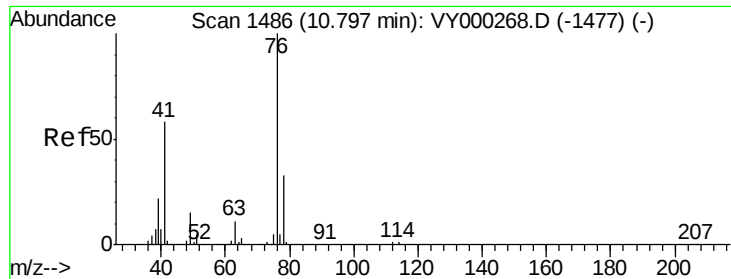
#56
 Ethyl methacrylate
 Concen: 53.282 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	69	Resp	206911
Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.5	78.7
39	33.2	26.7	40.1



Abundance Ion 69.00 (68.70 to 69.70): VY0
 Ion 41.00 (40.70 to 41.70): VY0
 Ion 39.00 (38.70 to 39.70): VY0





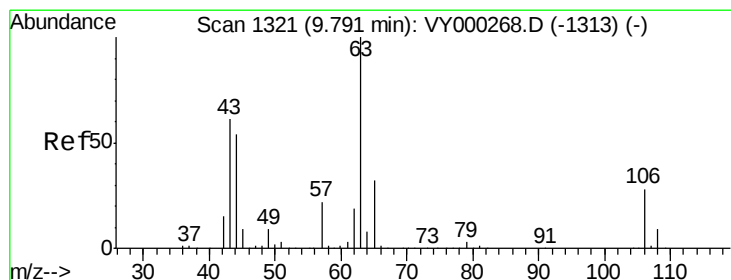
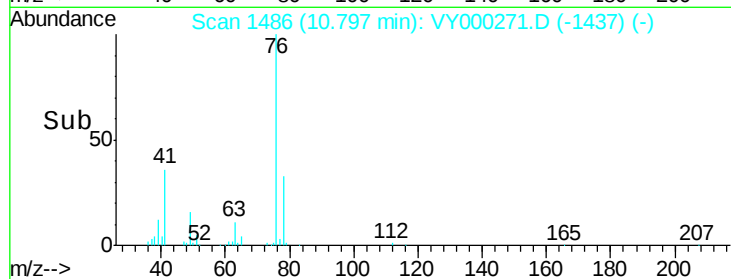
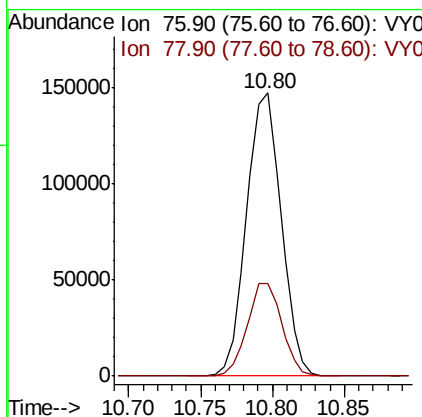
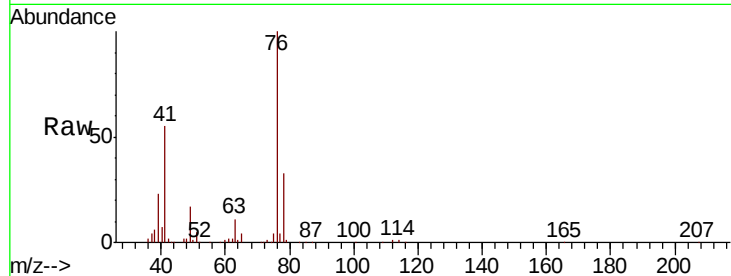
#57
 1,3-Dichloropropane
 Concen: 52.483 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion: 76 Resp: 245563
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.2

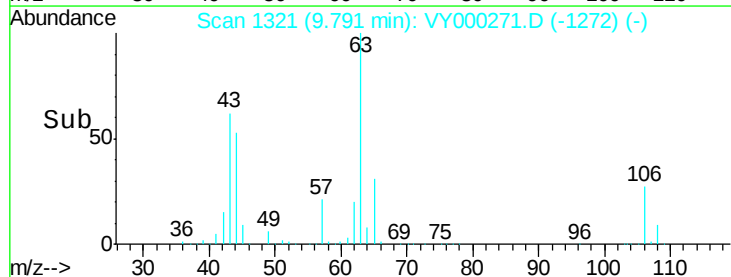
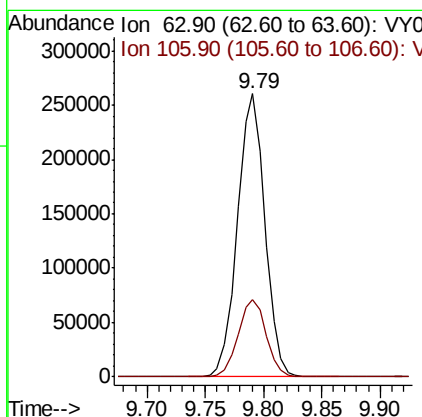
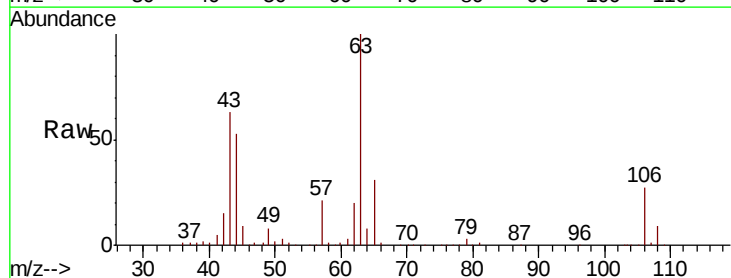
Manual Integrations
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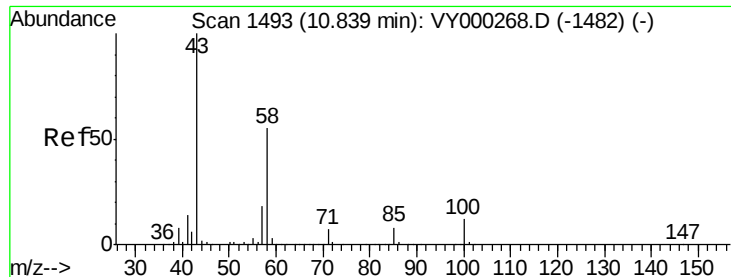
MMDadoda
 10/15/2019 12:33:57 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.964 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion: 63 Resp: 427447
 Ion Ratio Lower Upper
 63 100
 106 27.9 23.0 34.4





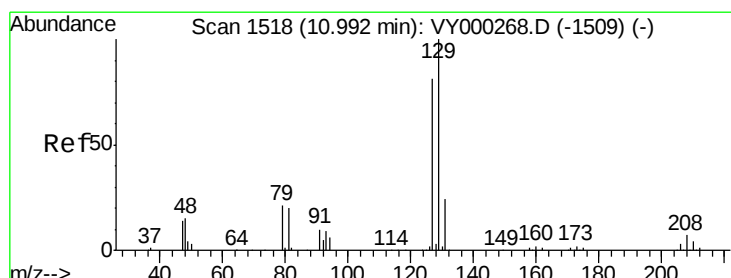
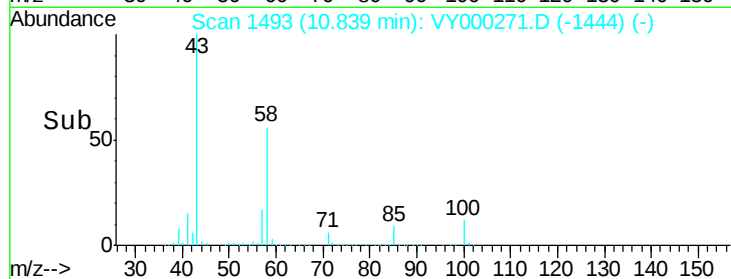
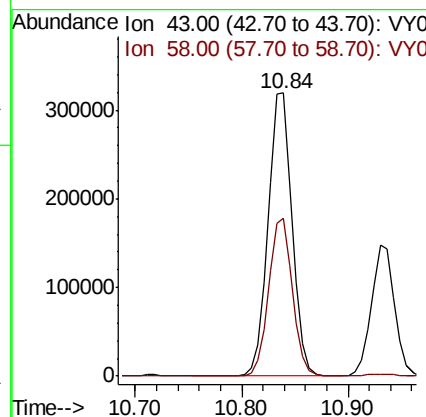
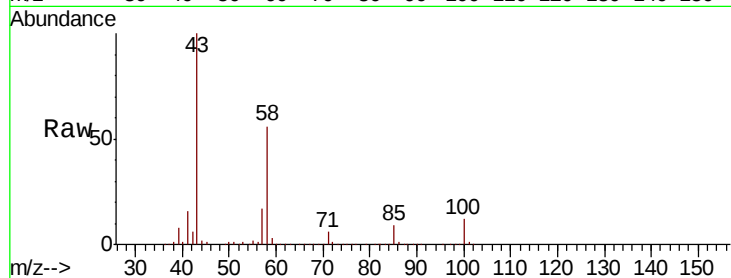
#59
2-Hexanone
Concen: 262.303 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion: 43 Resp: 505320
Ion Ratio Lower Upper
43 100
58 55.0 27.7 83.1

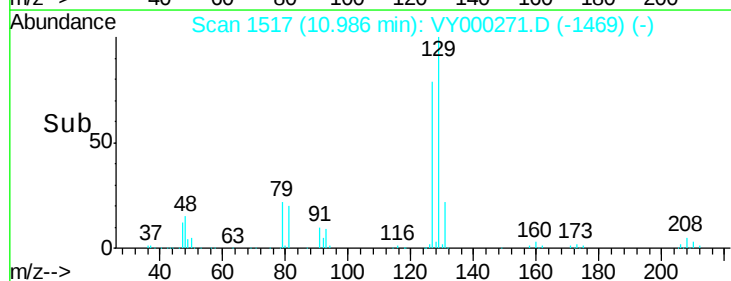
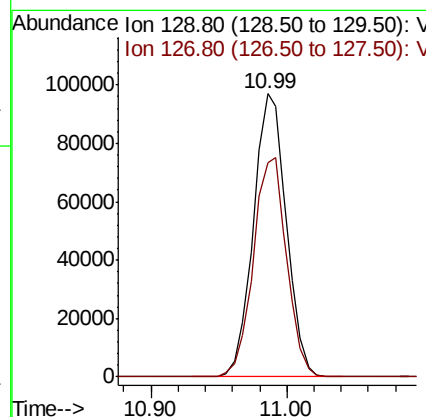
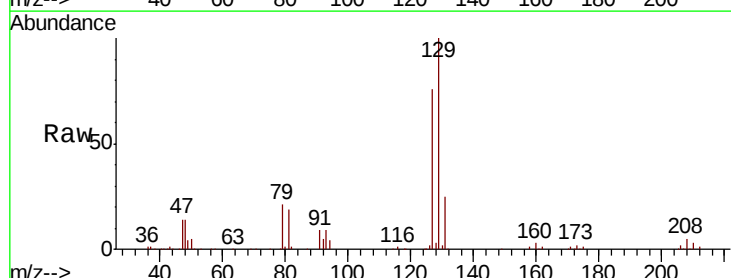
Manual Integrations
APPROVED

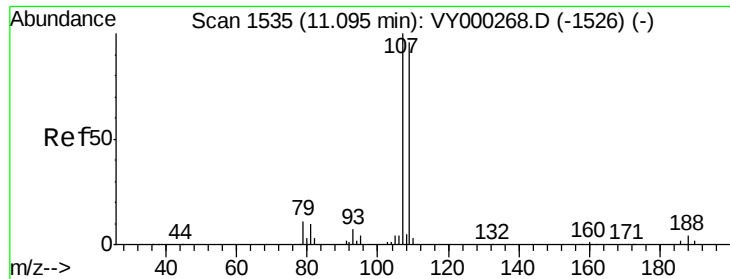
MMDadoda
10/15/2019 12:33:57 PM



#60
Dibromochloromethane
Concen: 54.497 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion: 129 Resp: 164564
Ion Ratio Lower Upper
129 100
127 78.5 39.9 119.7





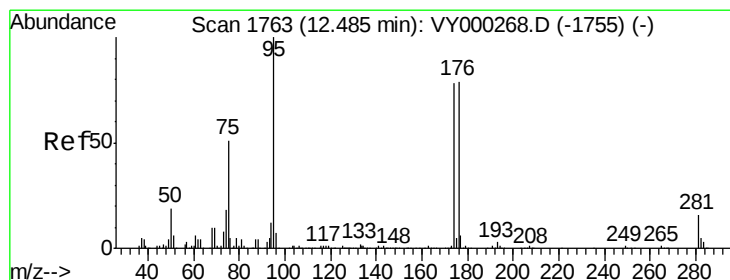
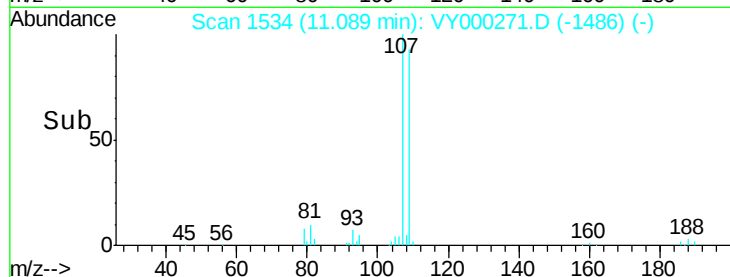
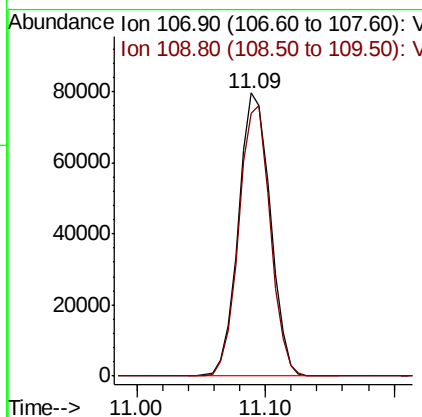
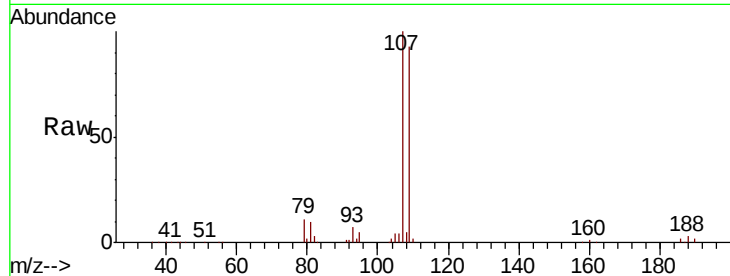
#61
 1,2-Dibromoethane
 Concen: 51.949 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.1	112.7

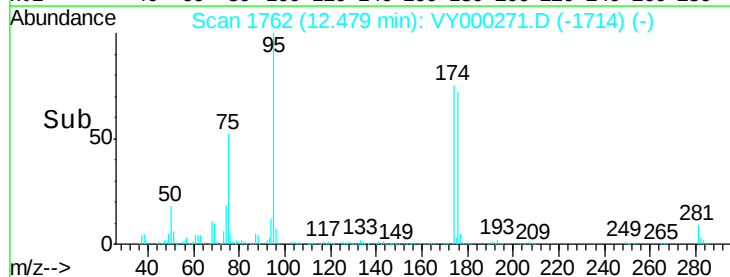
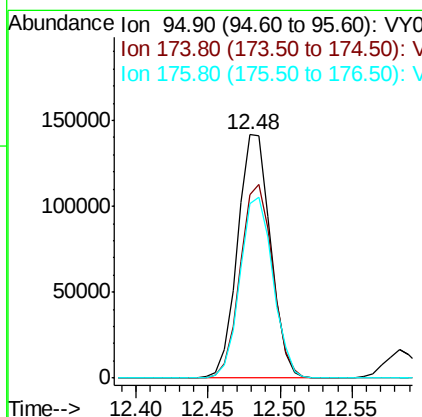
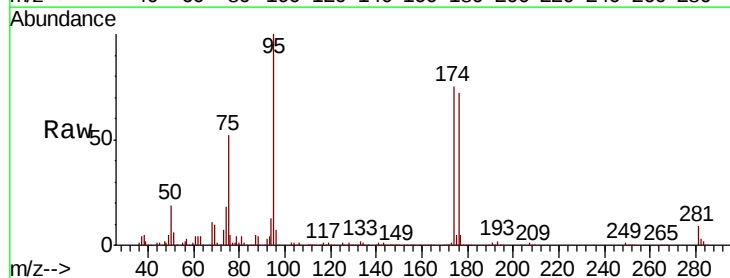
Manual Integrations
 APPROVED

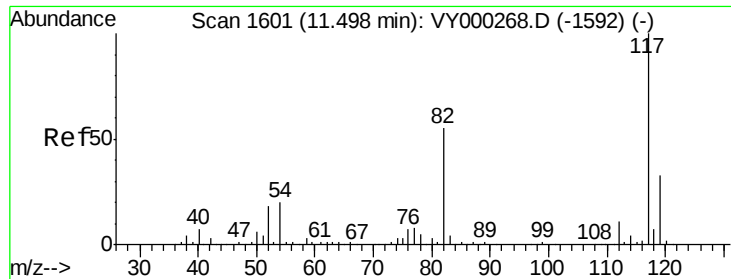
MMDadoda
 10/15/2019 12:33:57 PM



#62
 4-Bromofluorobenzene
 Concen: 52.746 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	159.6
176	74.4	0.0	153.8





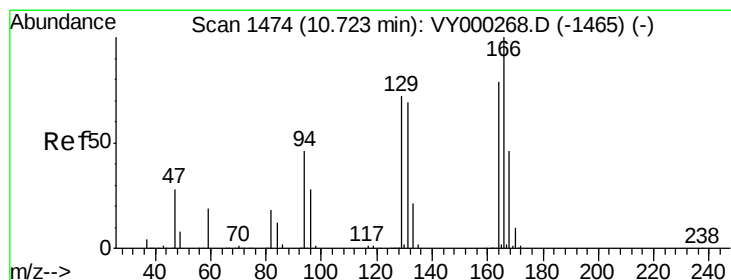
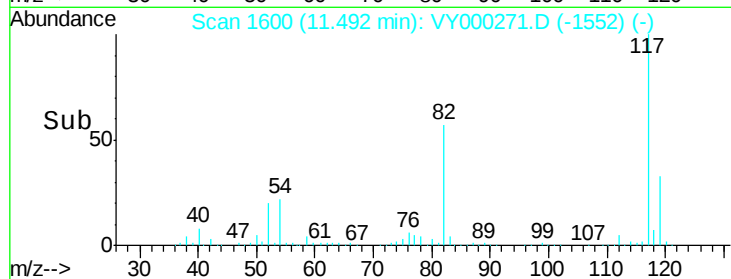
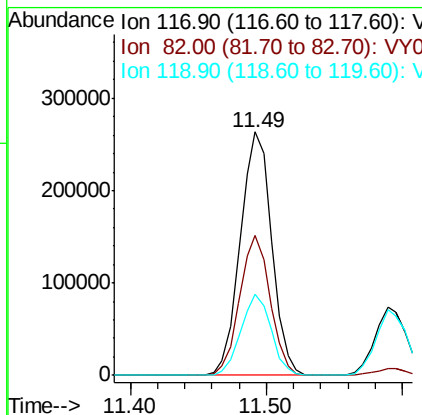
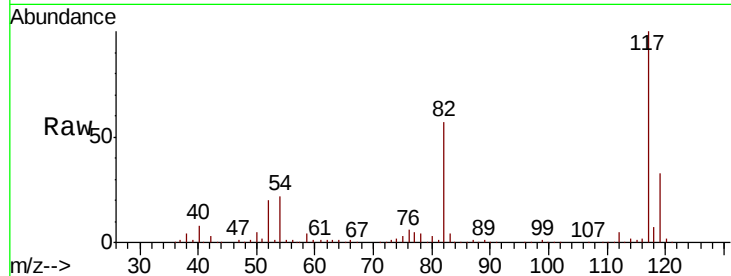
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.3	43.7	65.5
119	33.2	26.6	39.8

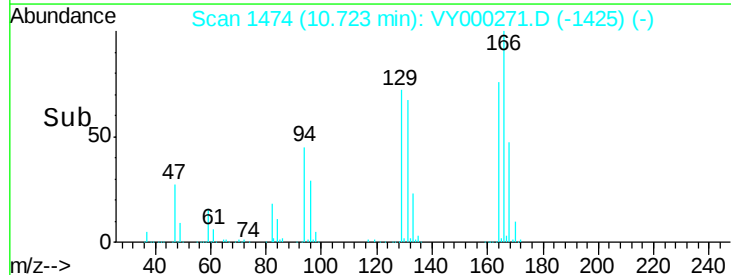
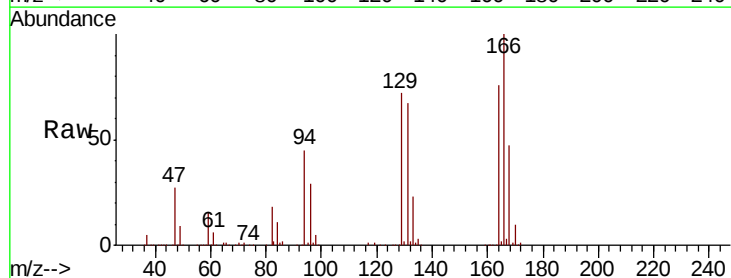
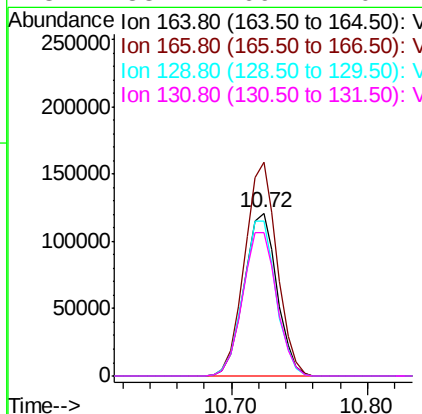
Manual Integrations
APPROVED

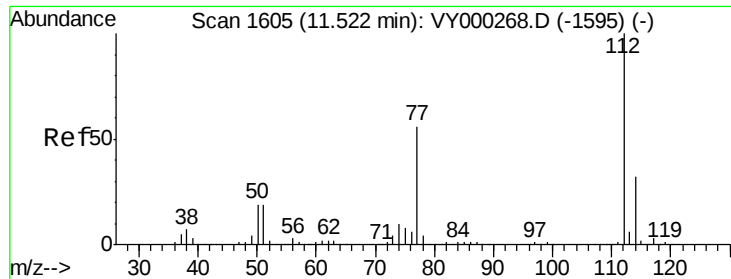
MMDadoda
10/15/2019 12:33:57 PM



#64
Tetrachloroethene
Concen: 50.395 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	100.6	151.0
129	95.0	72.8	109.2
131	88.1	69.4	104.2





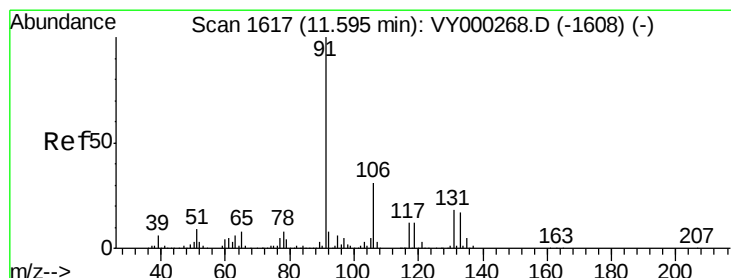
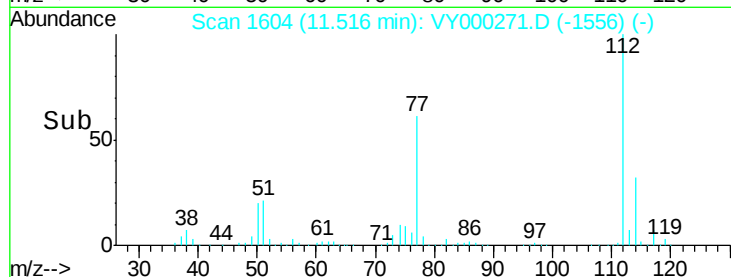
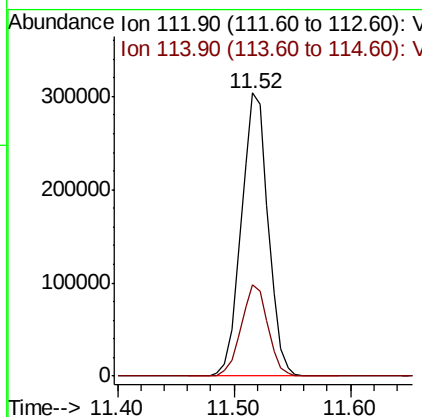
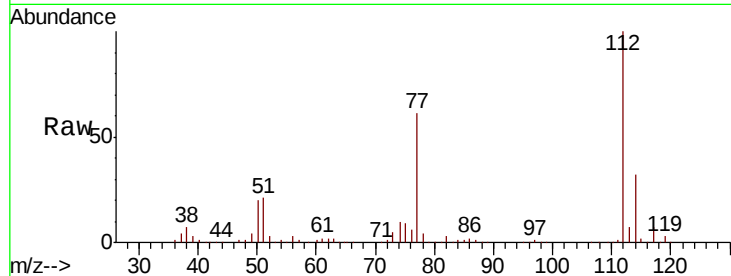
#65
Chlorobenzene
Concen: 54.304 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion:112 Resp: 487403
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

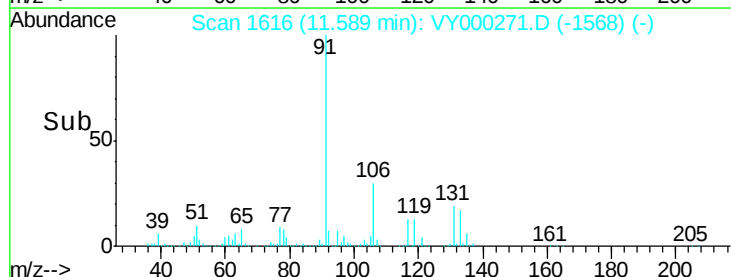
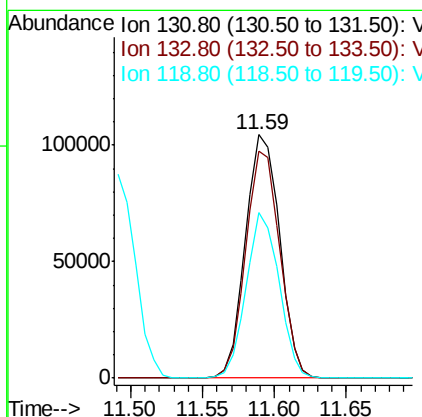
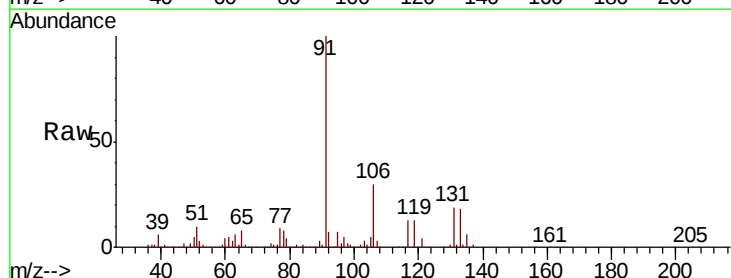
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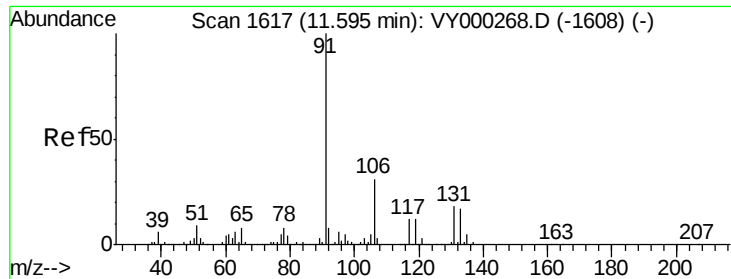
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.510 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion:131 Resp: 171866
Ion Ratio Lower Upper
131 100
133 93.1 47.2 141.6
119 65.6 32.6 98.0





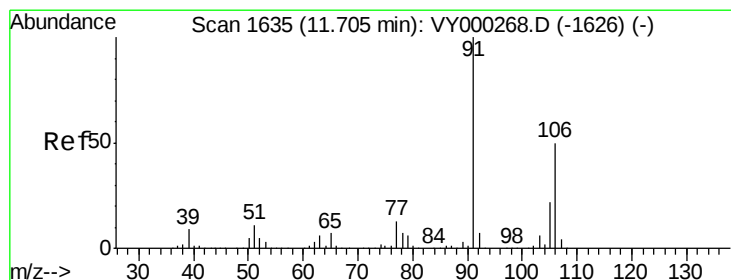
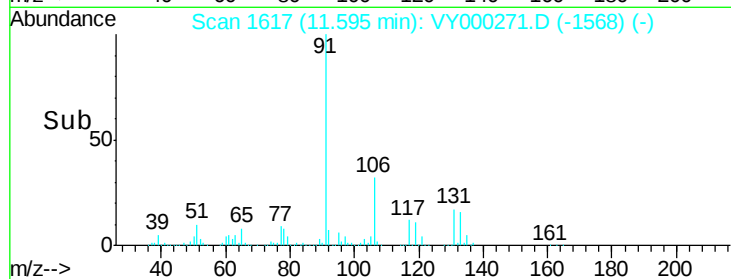
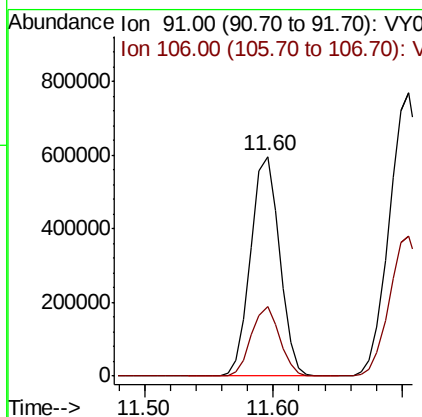
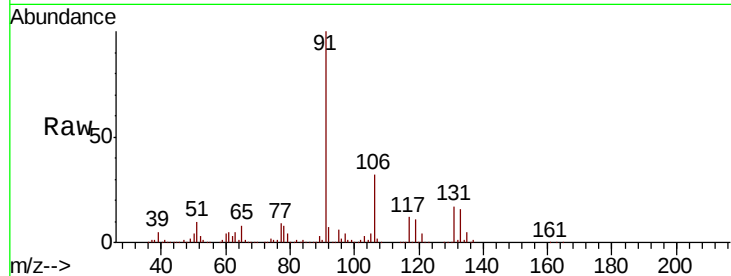
#67
Ethyl Benzene
Concen: 55.345 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion: 91 Resp: 920857
Ion Ratio Lower Upper
91 100
106 31.7 25.0 37.6

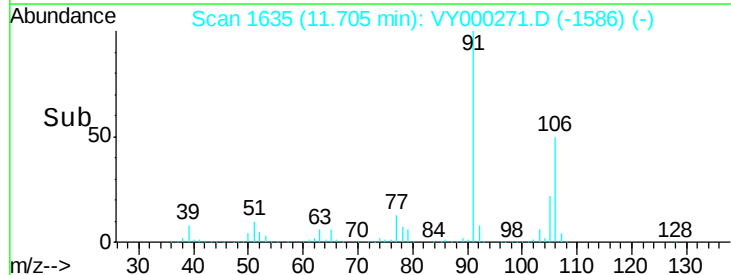
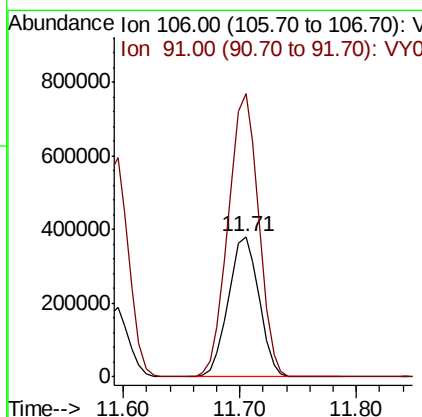
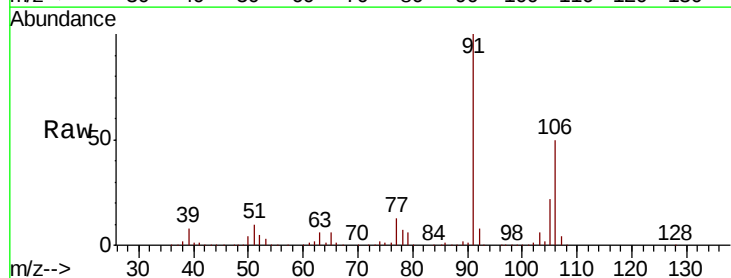
Manual Integrations
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#68
m/p-Xylenes
Concen: 109.562 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion: 106 Resp: 696887
Ion Ratio Lower Upper
106 100
91 201.0 157.5 236.3





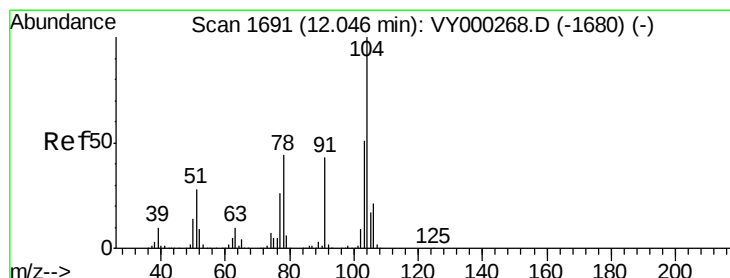
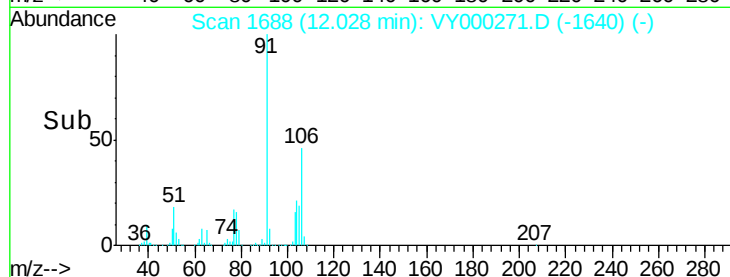
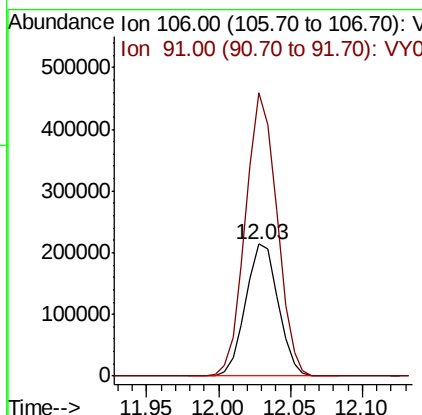
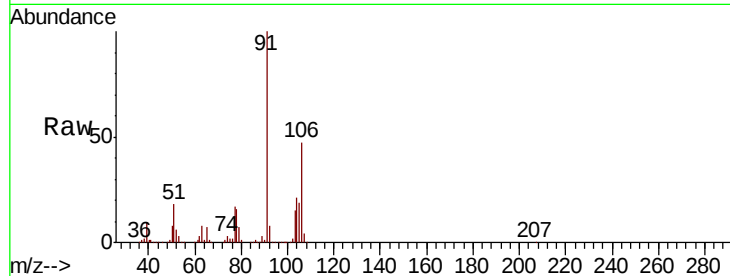
#69
o-Xylene
Concen: 54.896 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVY101119

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	208.7	104.7	313.9	

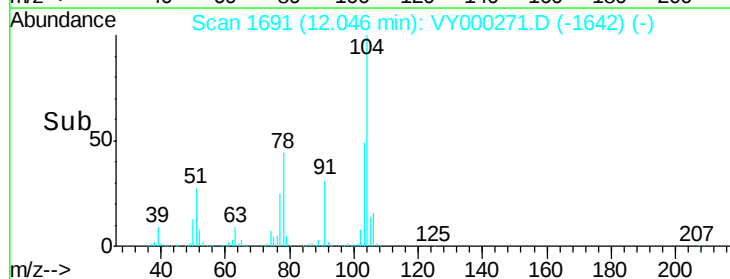
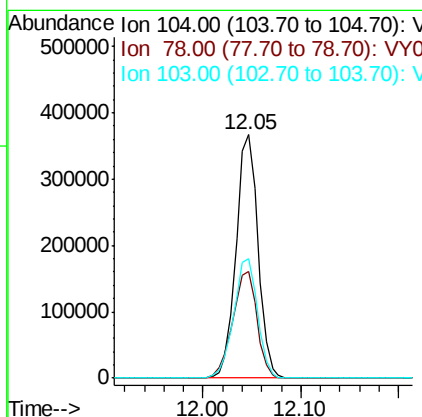
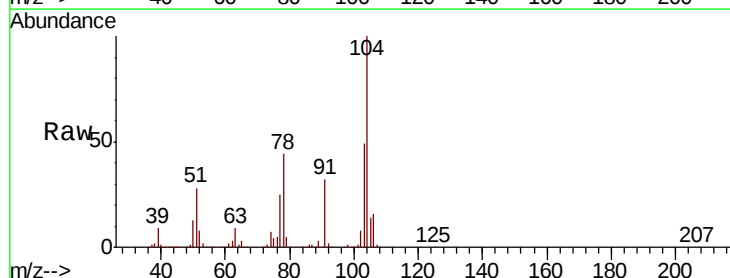
Manual Integrations
APPROVED

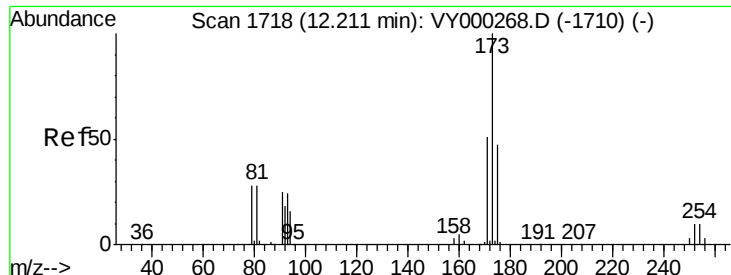
MMDadoda
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#70
Styrene
Concen: 55.911 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.3	39.0	58.6	
103	53.3	43.1	64.7	





#71

Bromoform

Concen: 53.741 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVY101119

Tot Ion:173 Resp: 97405

Ion Ratio Lower Upper

173 100

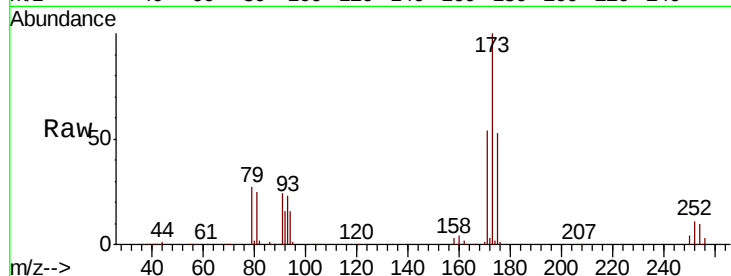
175 50.1 24.6 73.6

254 0.0 0.1 0.1#

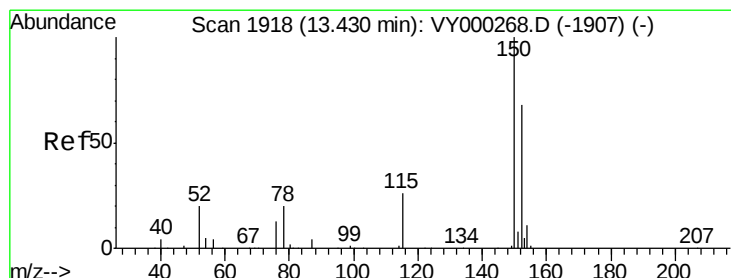
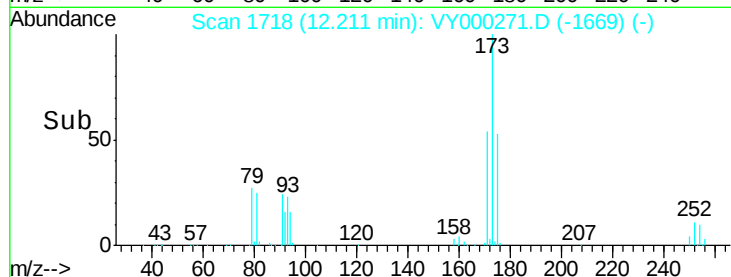
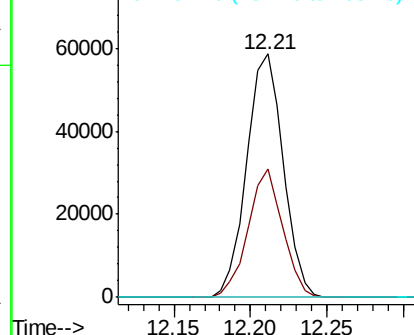
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

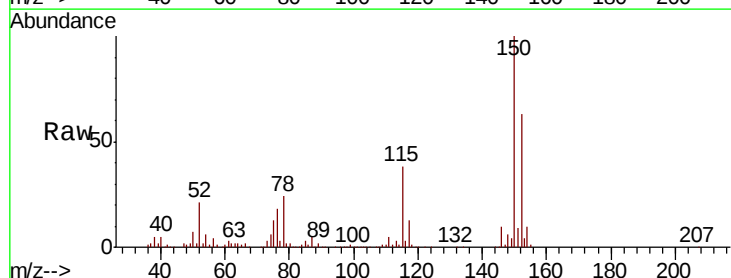
Tgt Ion:152 Resp: 208496

Ion Ratio Lower Upper

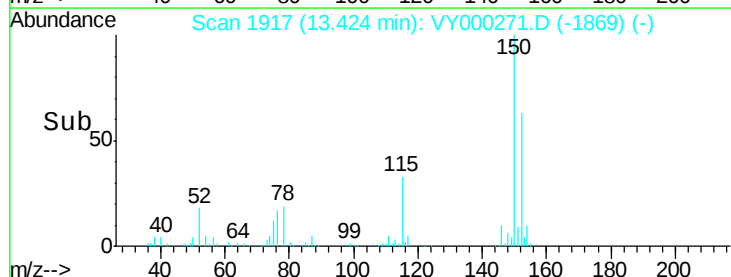
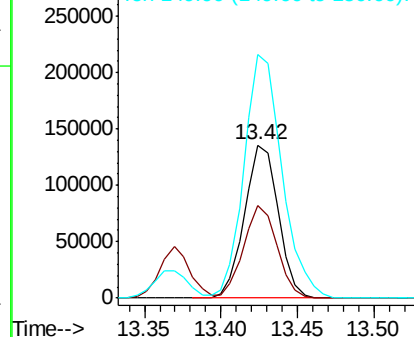
152 100

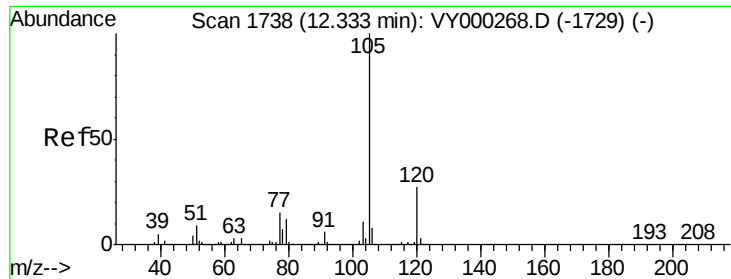
115 60.3 29.3 88.0

150 178.5 0.0 348.4



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





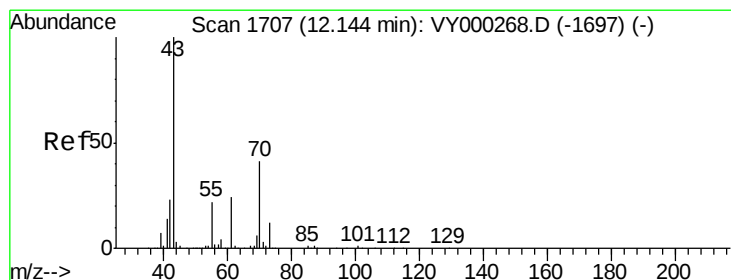
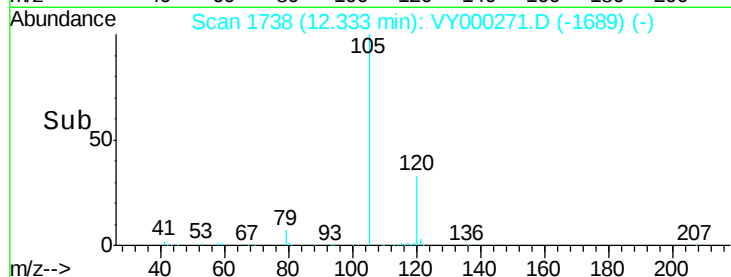
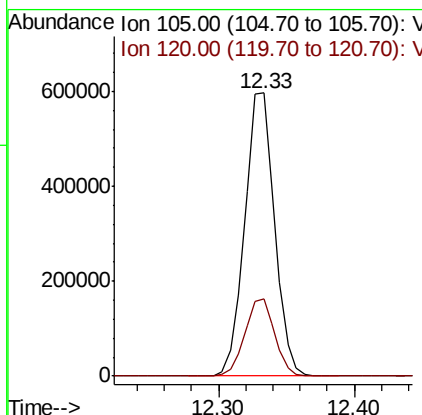
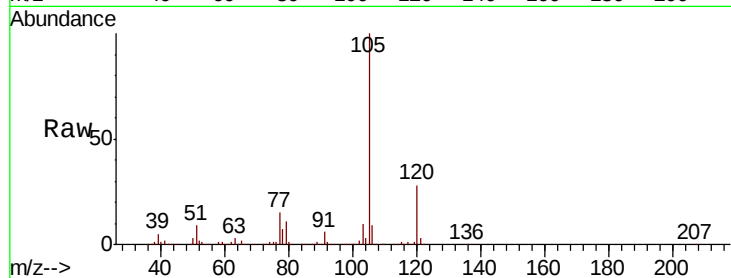
#73
Isopropylbenzene
Concen: 56.304 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.4	40.2

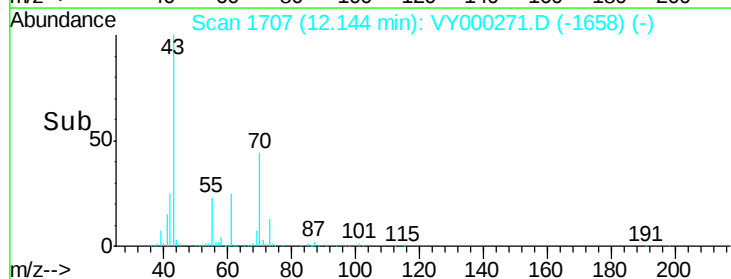
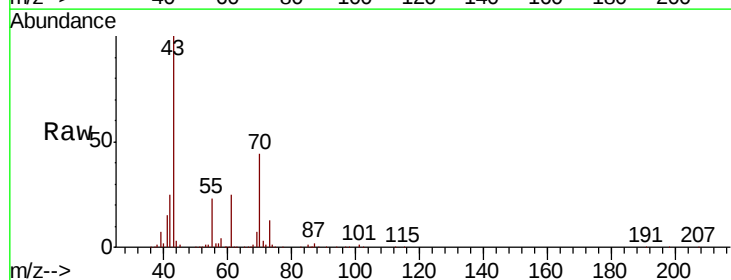
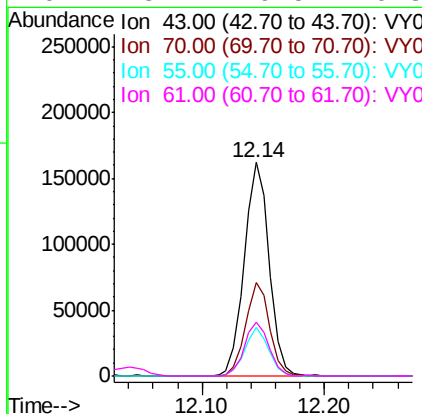
Manual Integrations
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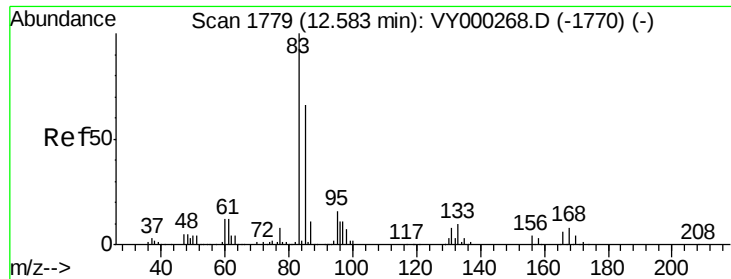
MMDadoda
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#74
N-ethyl acetate
Concen: 57.300 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.4	32.9	49.3
55	21.8	17.8	26.6
61	25.1	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 54.331 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

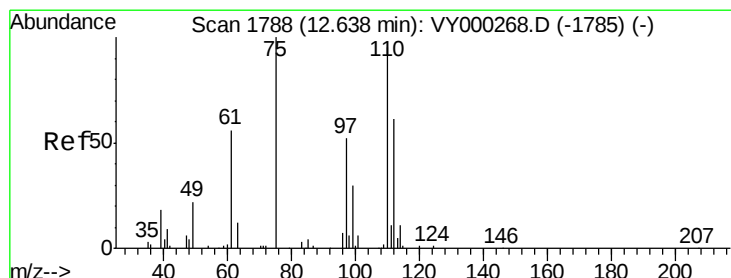
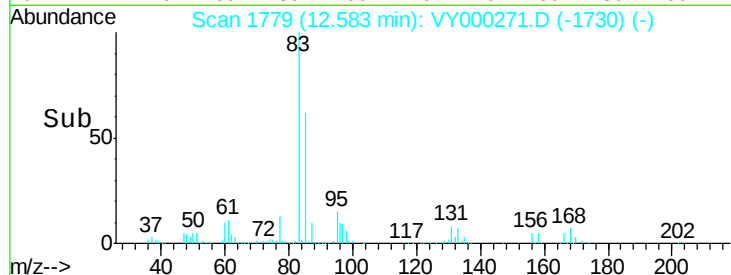
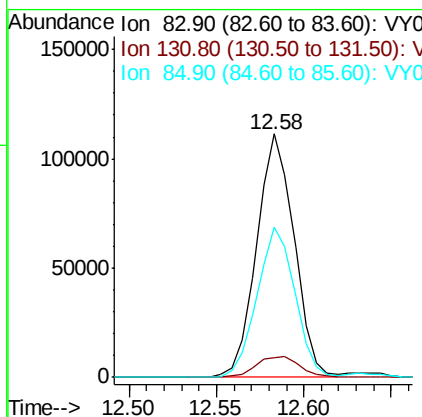
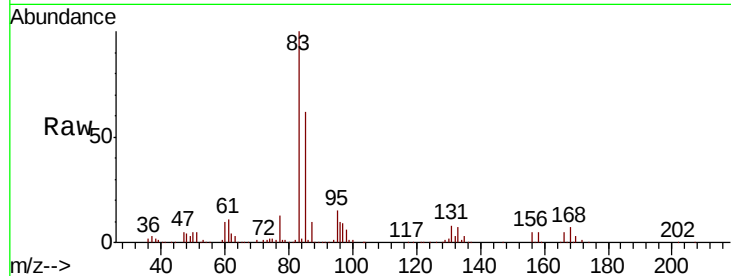
ClientSampleId :

ICVVY101119

Tot Ion:	83	Resp:	165840
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.3	16.1
85	62.5	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.531 ug/l m

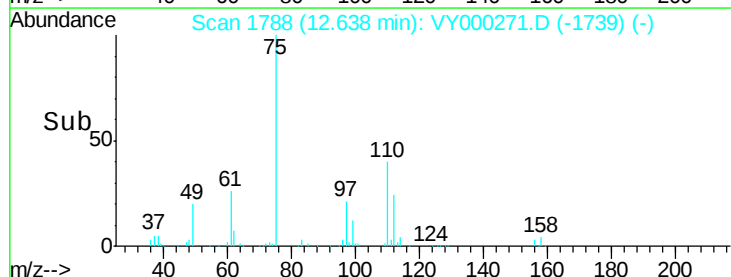
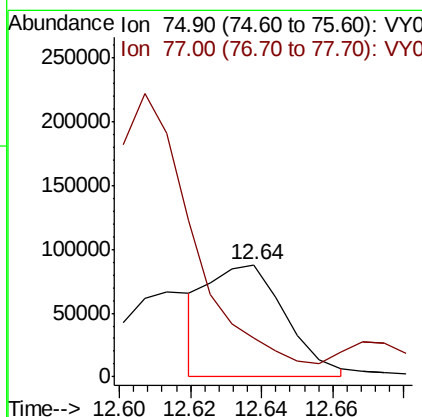
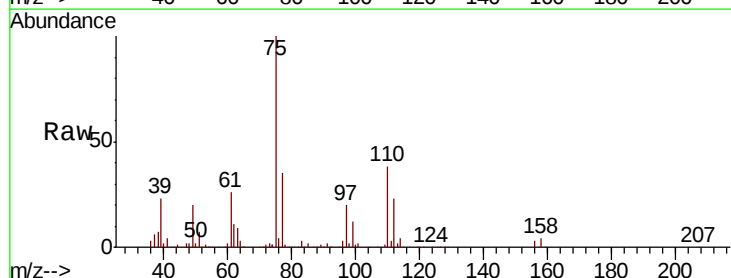
RT: 12.64 min Scan# 1788

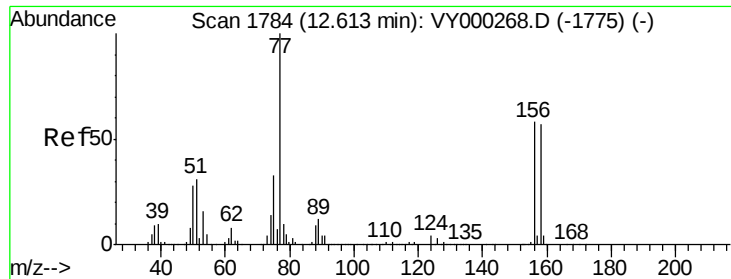
Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Tgt Ion:	75	Resp:	132115
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.899 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVVY101119

Tot Ion:156 Resp: 194985

Ion Ratio Lower Upper

156 100

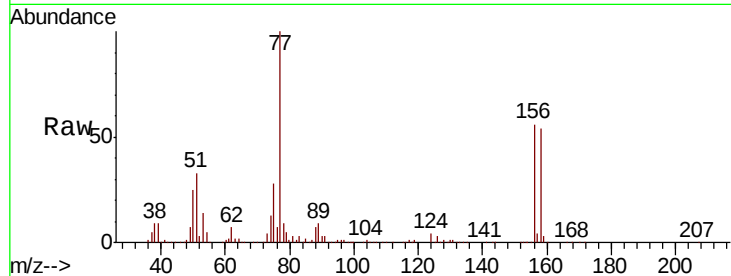
77 200.3 101.0 302.9

158 96.0 49.7 149.1

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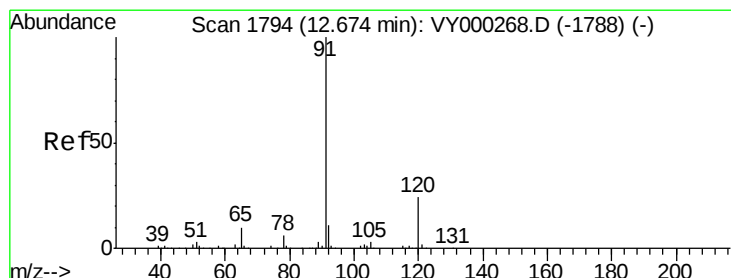
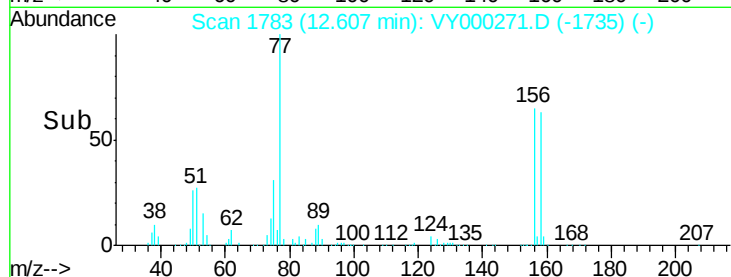
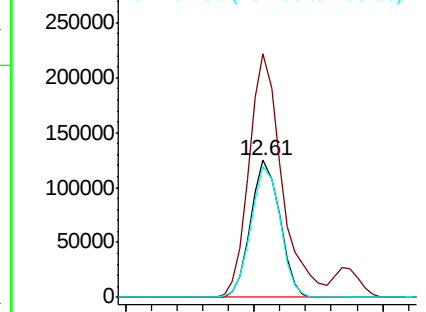
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.780 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000271.D

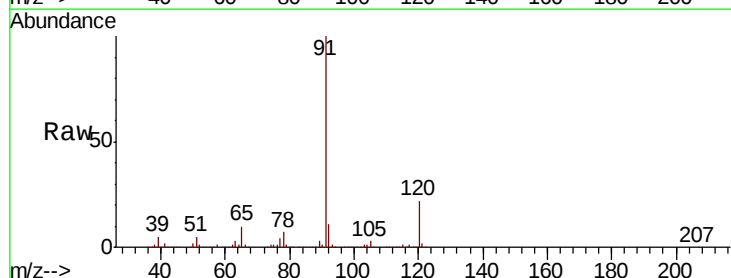
Acq: 11 Oct 2019 15:13

Tgt Ion: 91 Resp: 1108303

Ion Ratio Lower Upper

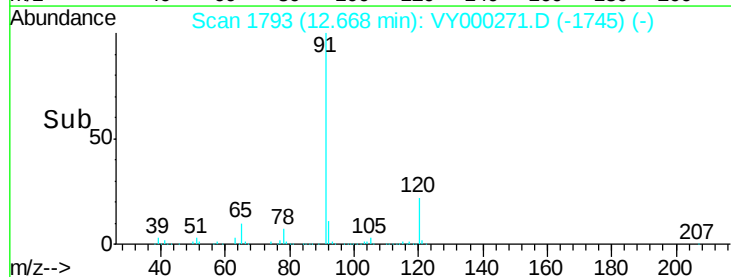
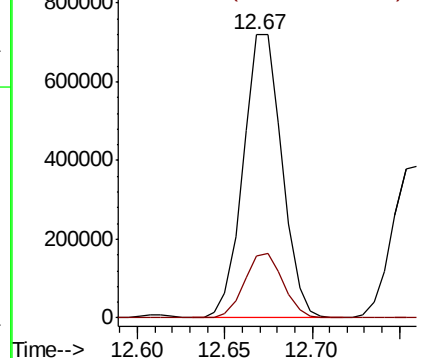
91 100

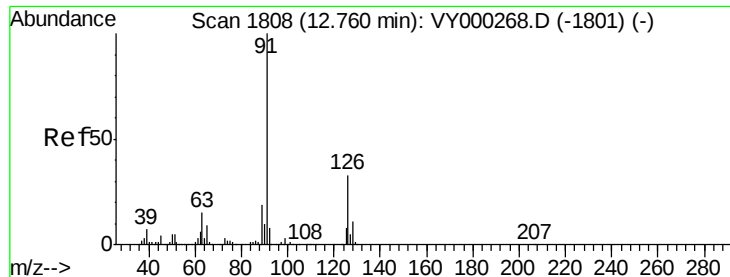
120 22.6 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.585 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVY101119

Tot Ion: 91 Resp: 609967

Ion Ratio Lower Upper

91 100

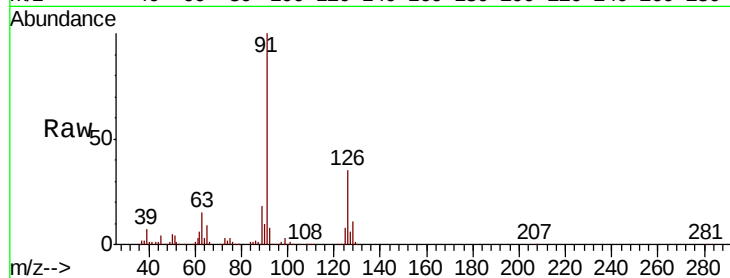
126 33.7 17.1 51.3

Manual Integrations

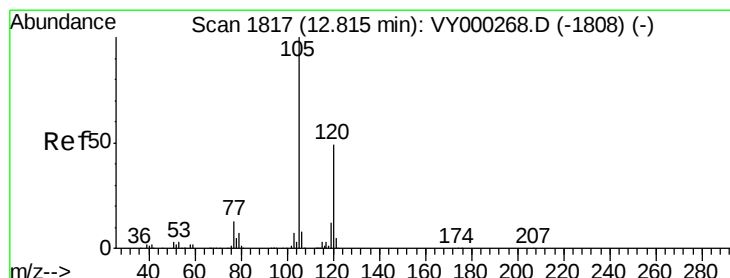
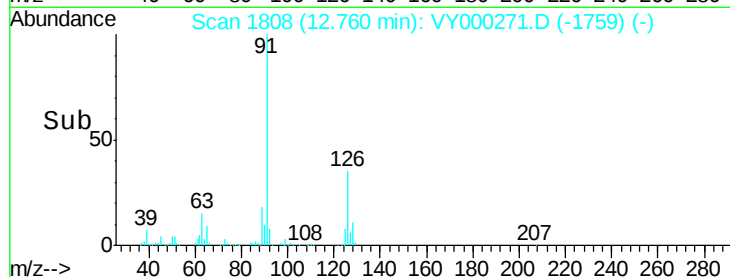
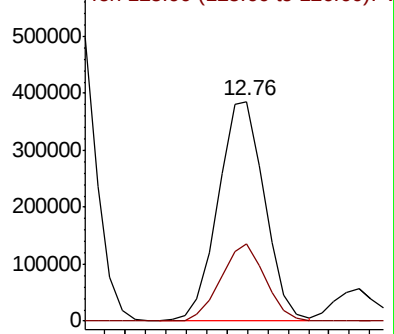
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Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1801) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.284 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000271.D

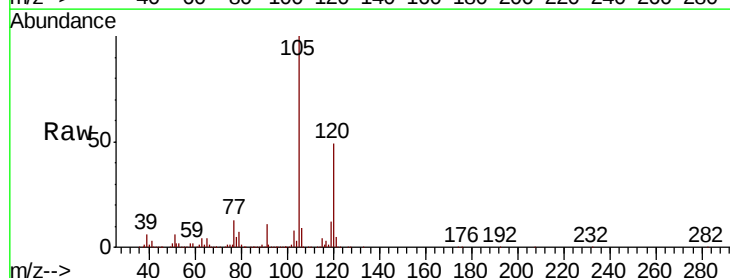
Acq: 11 Oct 2019 15:13

Tgt Ion: 105 Resp: 767267

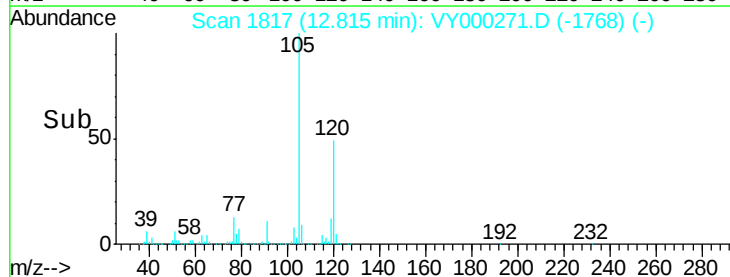
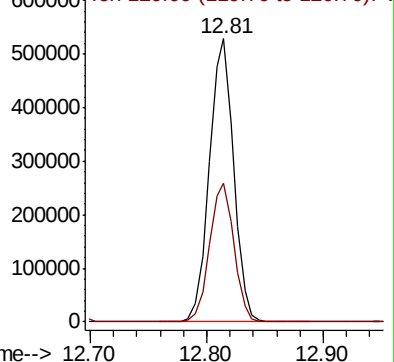
Ion Ratio Lower Upper

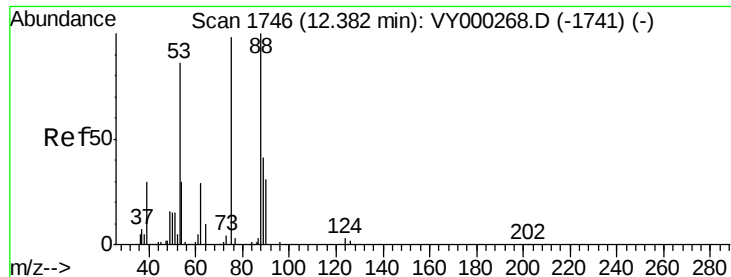
105 100

120 49.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000268.D (-1808) (-)





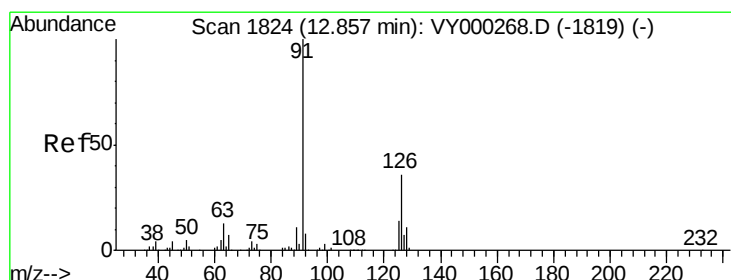
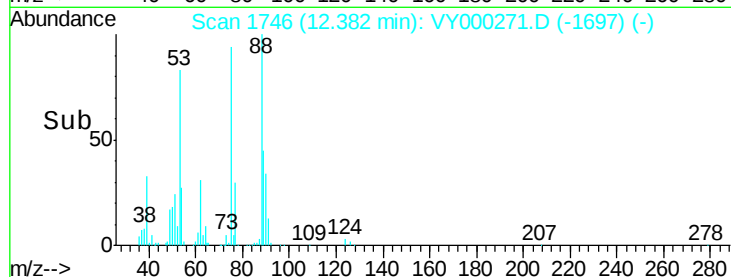
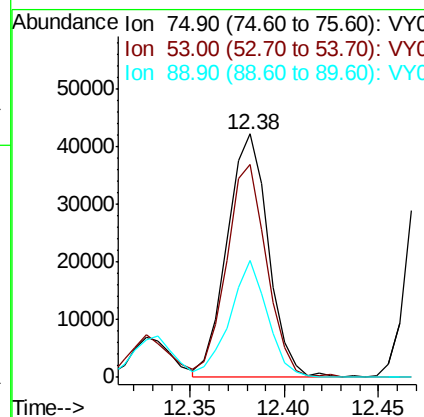
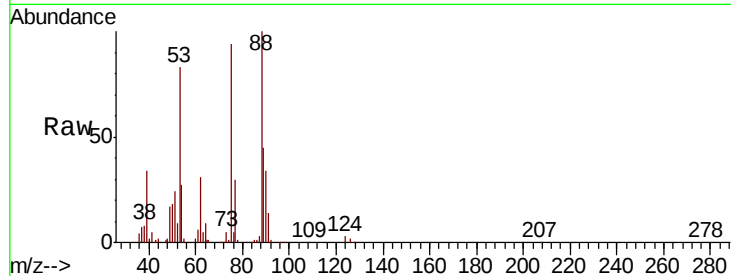
#81
trans-1,4-Dichloro-2-butene
Concen: 53.931 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.5	71.3	106.9
89	44.4	35.1	52.7

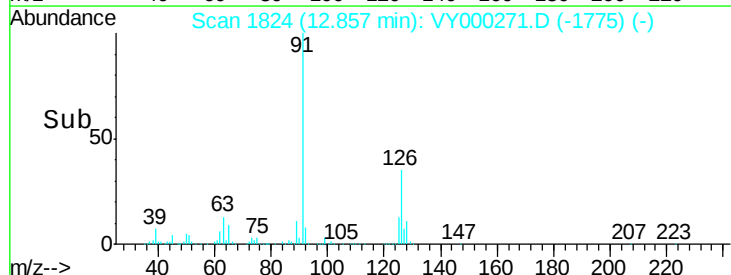
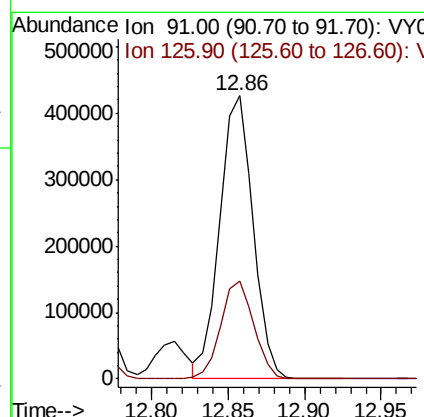
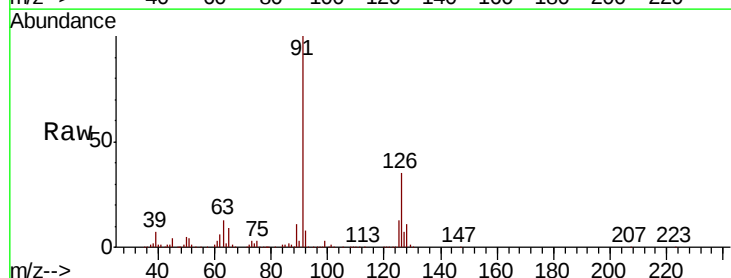
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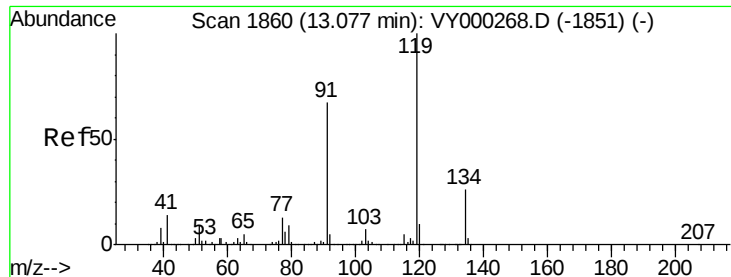
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#82
4-Chlorotoluene
Concen: 56.395 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.2	51.5





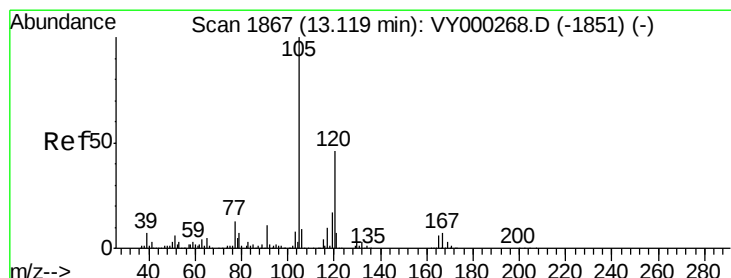
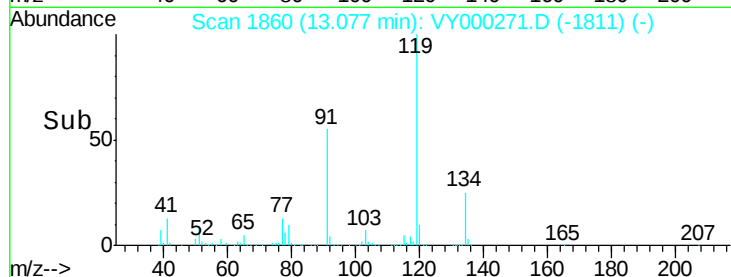
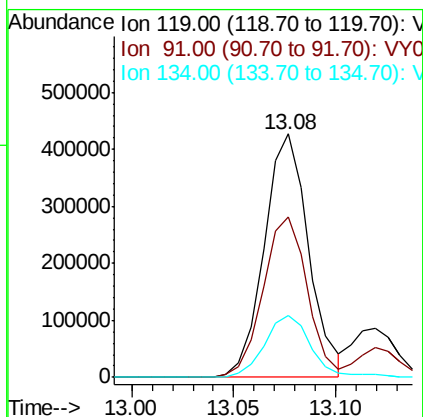
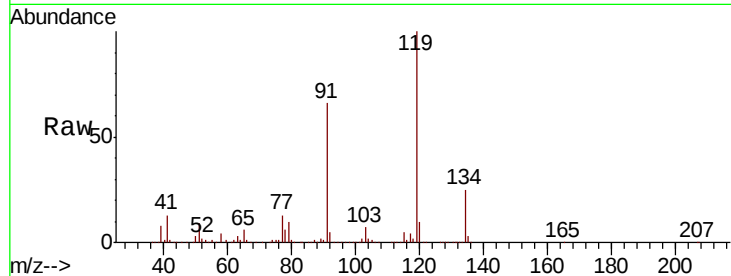
#83
tert-Butylbenzene
Concen: 55.982 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.9	98.7
134	26.6	13.3	39.8

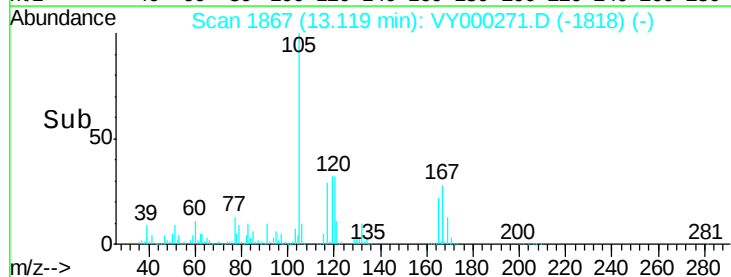
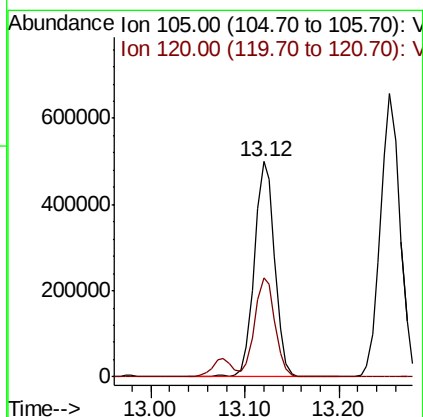
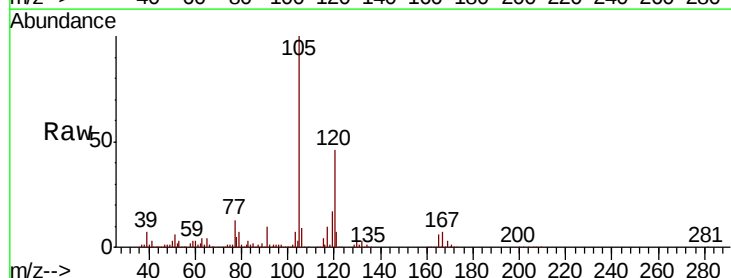
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 56.499 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.9	68.8





#85

sec-Butylbenzene

Concen: 56.797 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

Instrument :

MSVOA_Y

ClientSampleId :

ICVY101119

Tot Ion:105 Resp: 948524

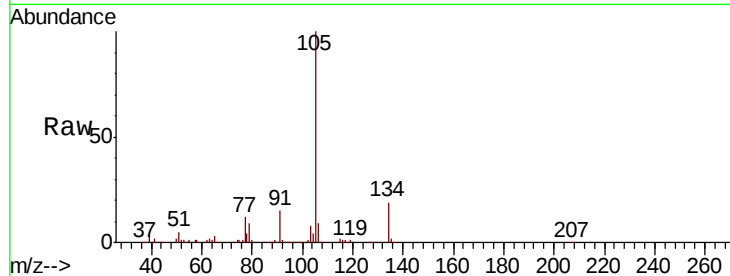
Ion Ratio Lower Upper

105 100

134 20.1 10.1 30.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

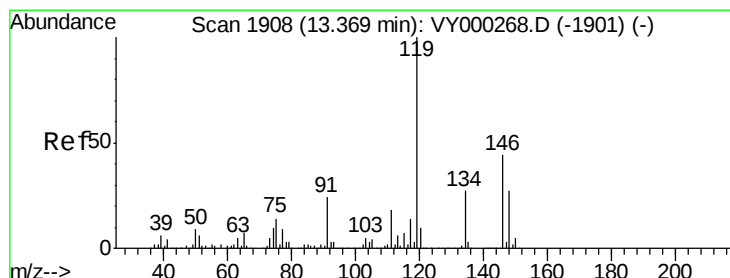
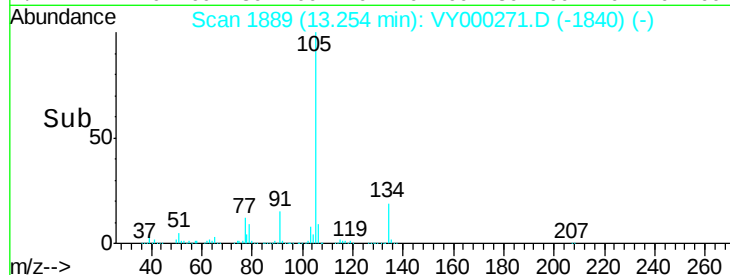
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 57.353 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000271.D

Acq: 11 Oct 2019 15:13

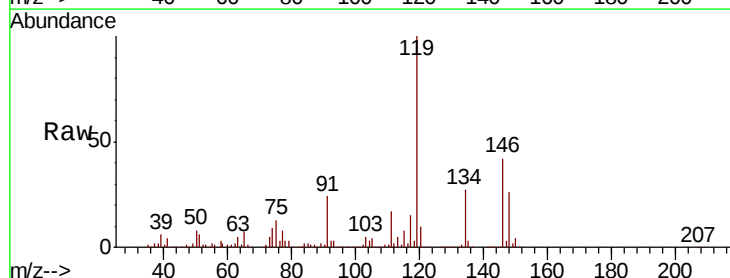
Tgt Ion:119 Resp: 835016

Ion Ratio Lower Upper

119 100

134 26.4 13.6 40.8

91 23.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

800000

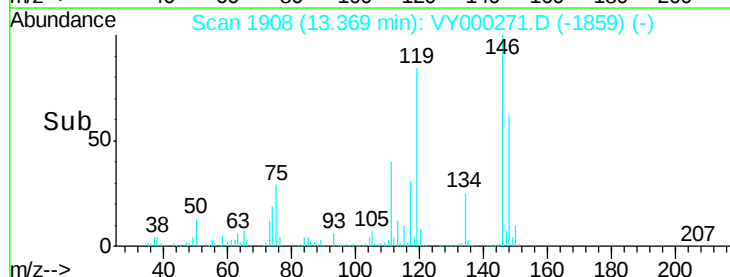
600000

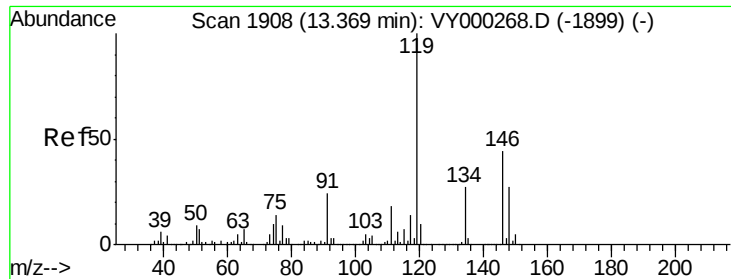
400000

200000

0

Time-->





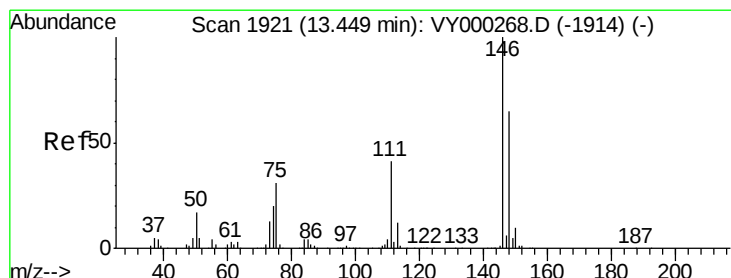
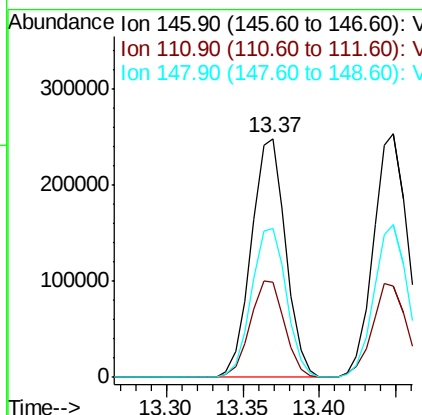
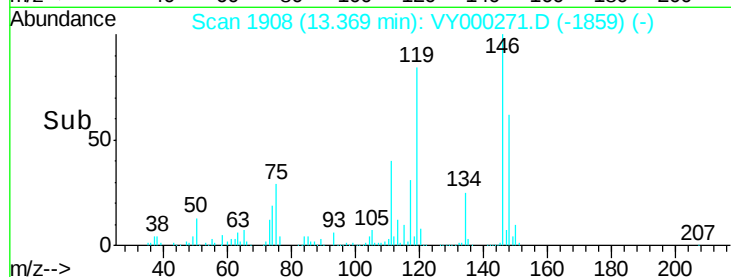
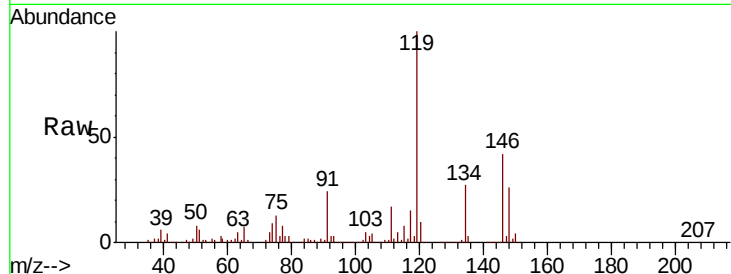
#87
 1,3-Dichlorobenzene
 Concen: 54.733 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.2	20.6	61.8	
148	63.1	31.9	95.5	

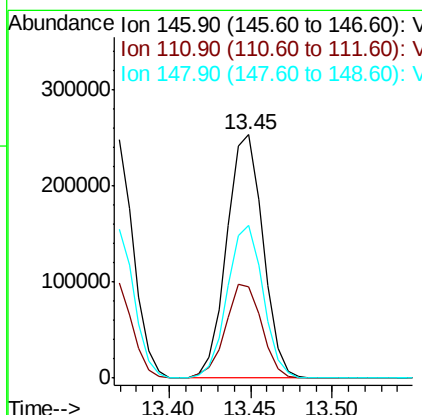
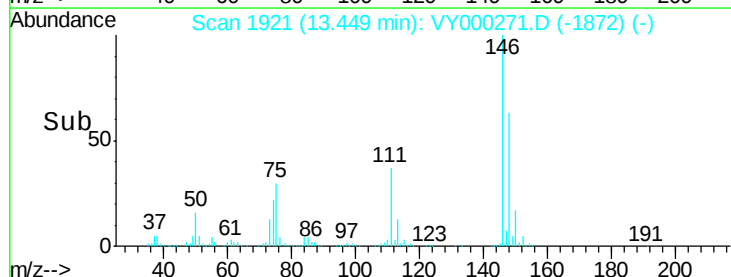
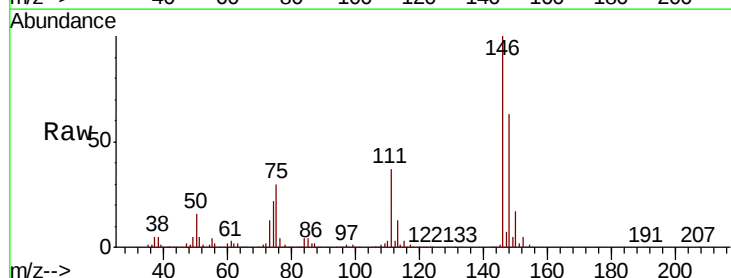
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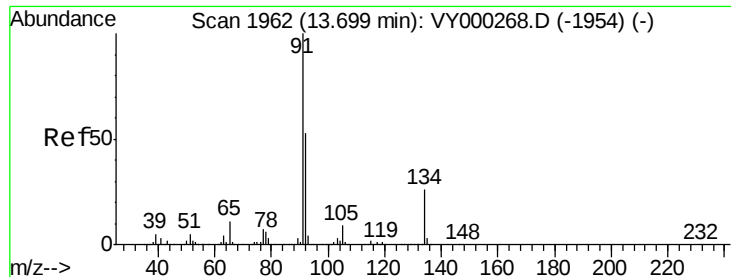
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#88
 1,4-Dichlorobenzene
 Concen: 55.137 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.5	20.1	60.2	
148	62.1	32.4	97.2	





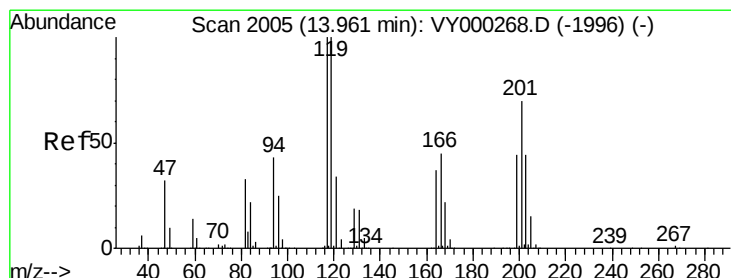
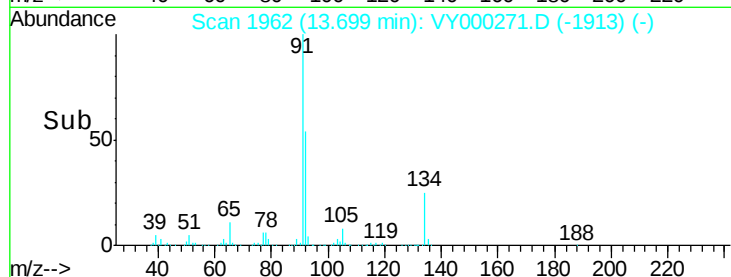
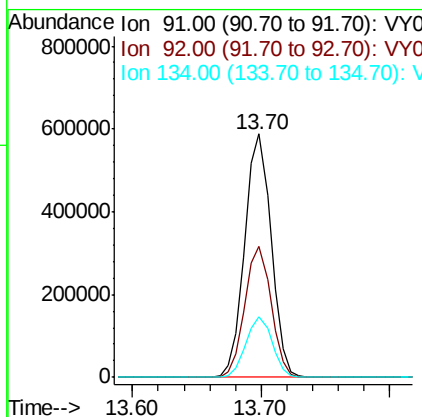
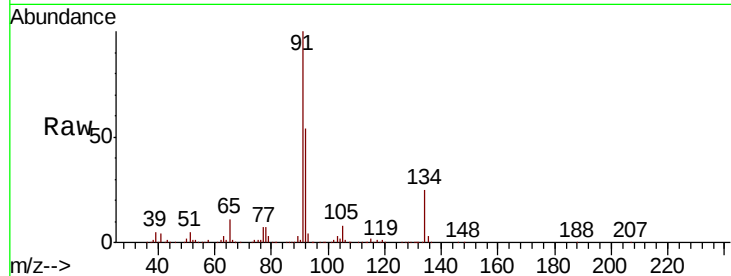
#89
n-Butylbenzene
Concen: 57.770 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVY101119

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.7	80.1
134	24.9	13.0	38.9

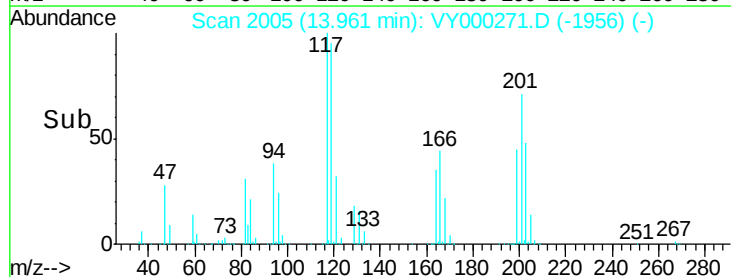
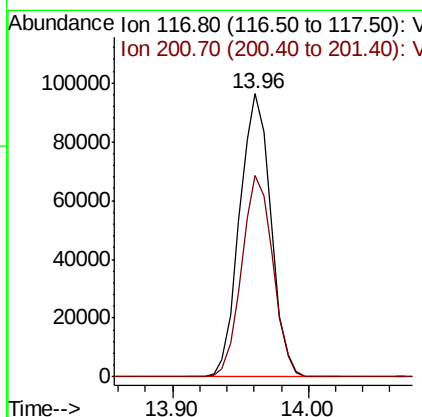
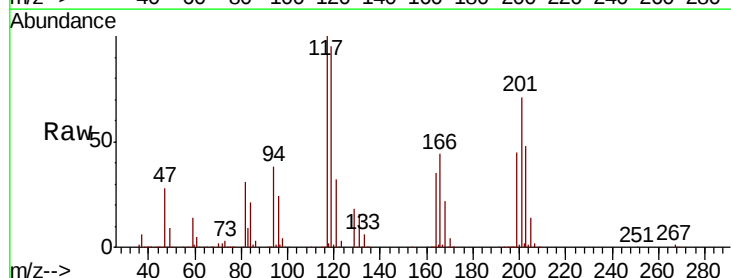
Manual Integrations
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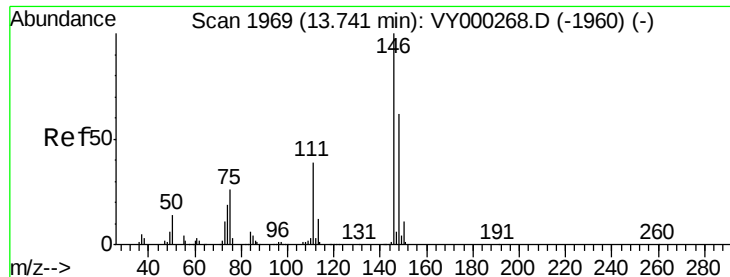
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#90
Hexachloroethane
Concen: 57.383 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	36.3	108.7





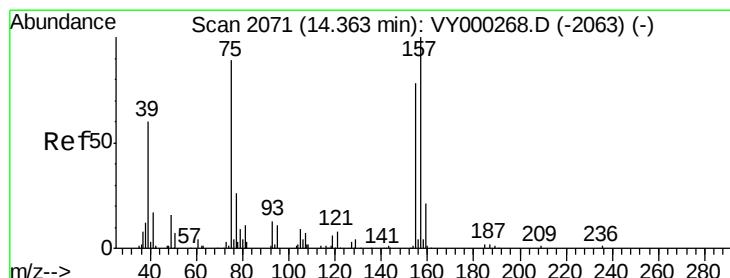
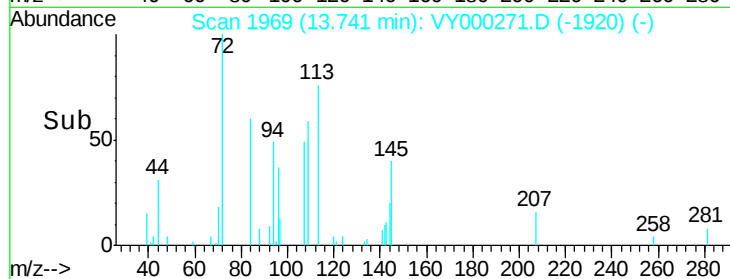
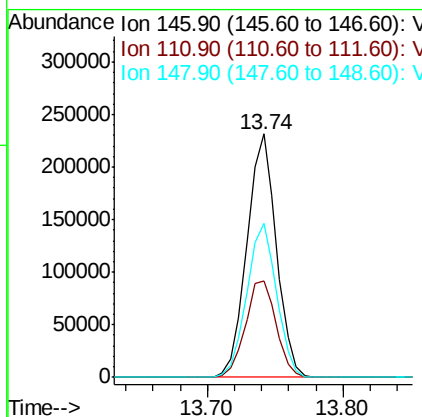
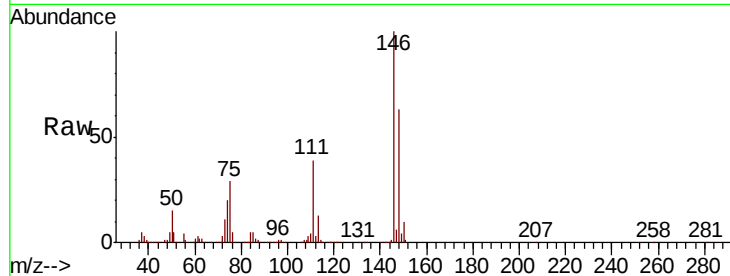
#91
 1,2-Dichlorobenzene
 Concen: 54.244 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.5	61.5
148	64.2	31.6	95.0

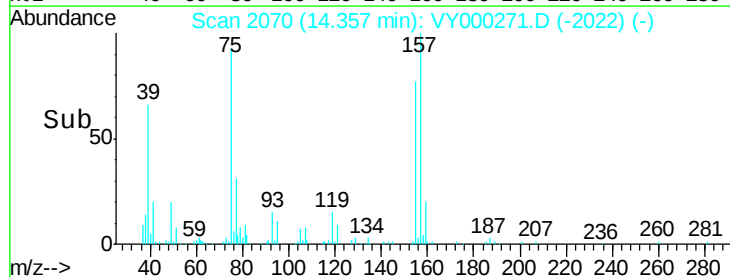
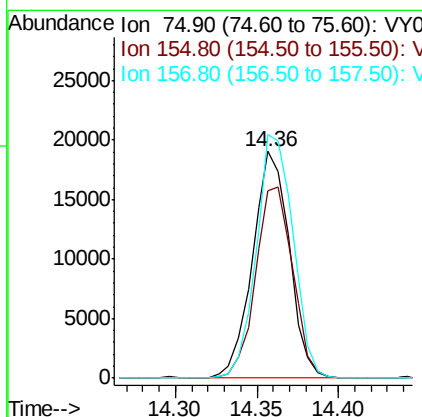
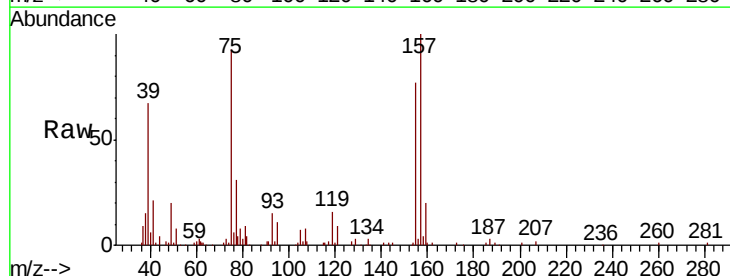
Manual Integrations
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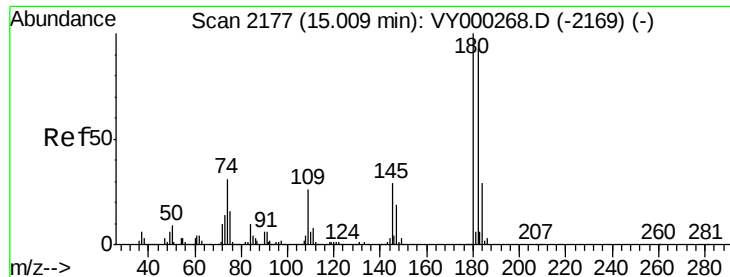
MMDadoda
 10/15/2019 12:33:57 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.760 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.7	45.8	137.3
157	107.0	55.6	166.9





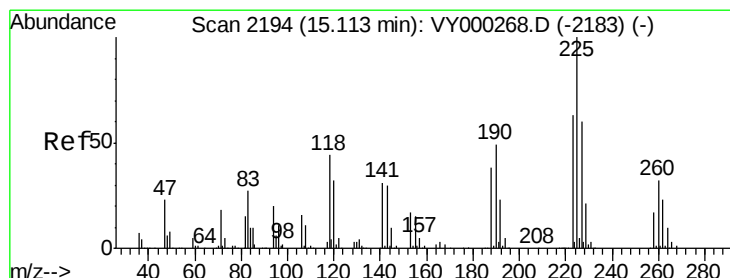
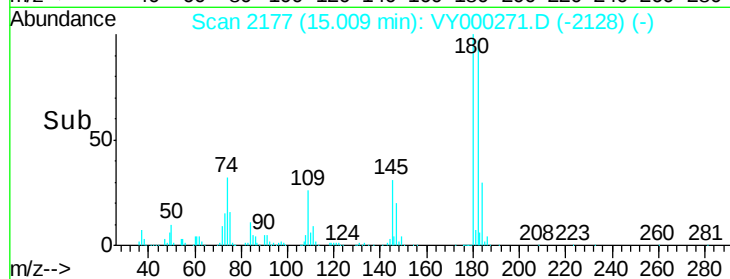
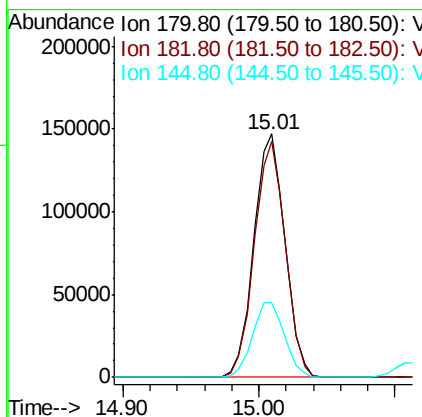
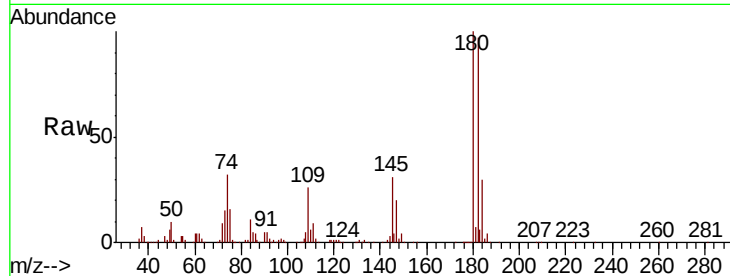
#93
 1,2,4-Trichlorobenzene
 Concen: 52.472 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 ICVVY101119

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	47.5	142.6	
145	31.7	15.4	46.1	

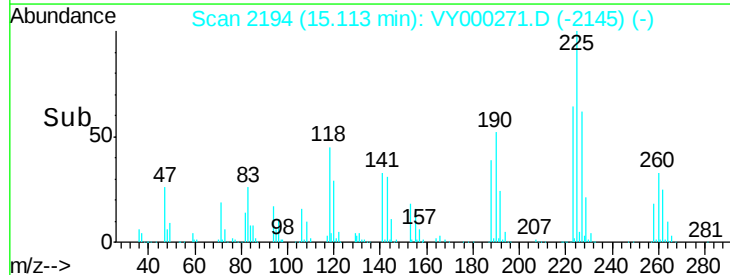
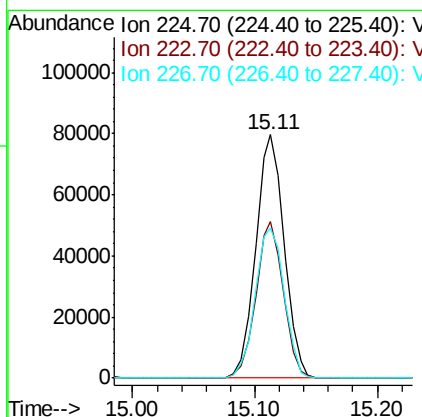
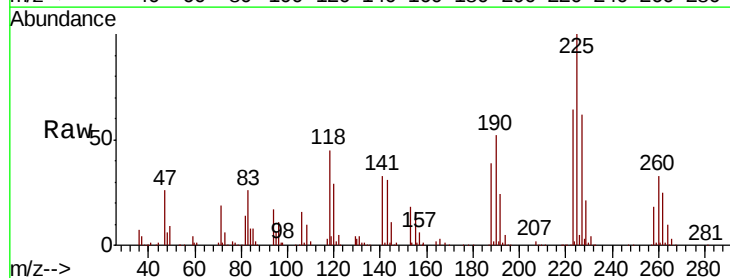
Manual Integrations
 APPROVED

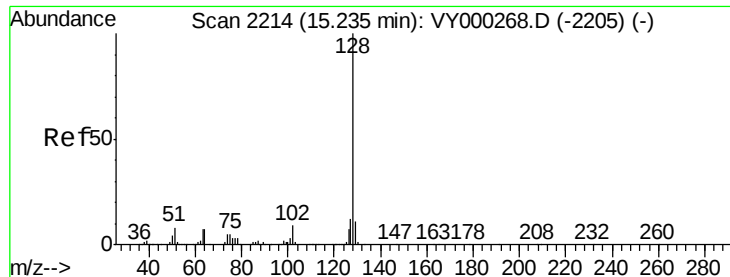
MMDadoda
 10/15/2019 12:33:57 PM



#94
 Hexachlorobutadiene
 Concen: 53.064 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VY000271.D
 Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.9	95.7	
227	63.2	31.4	94.2	





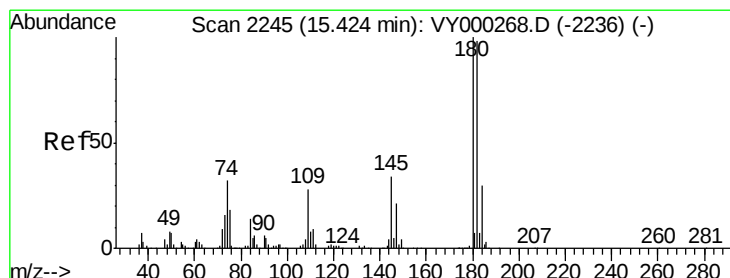
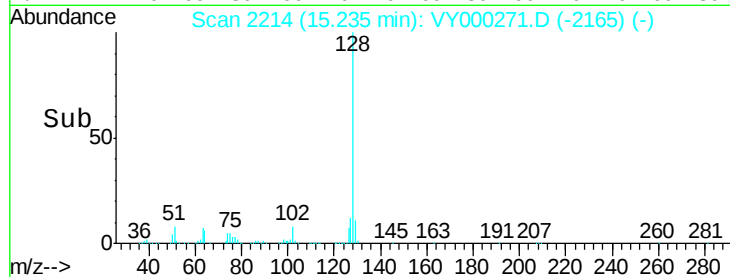
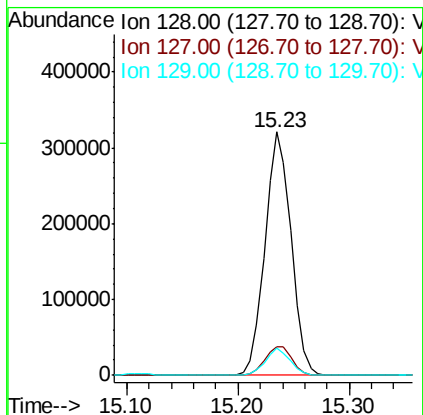
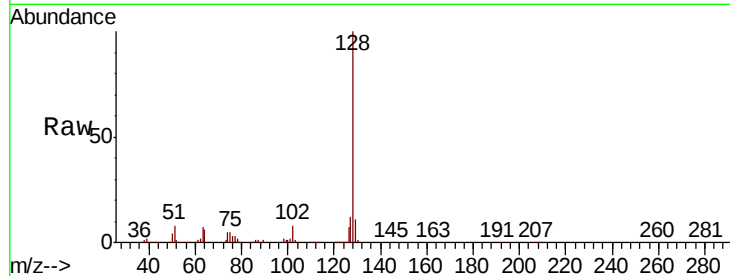
#95
Naphthalene
Concen: 52.294 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Instrument :
MSVOA_Y
ClientSampleId :
ICVVY101119

Tot Ion	Ratio	Resp	Lower	Upper
128	100	524104		
127	12.4		9.6	14.4
129	10.6		8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/15/2019 12:33:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.169 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000271.D
Acq: 11 Oct 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	211157		
182	96.1		46.5	139.5
145	33.0		16.2	48.5

