

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000274.D
 Acq On : 11 Oct 2019 16:39
 Operator : SY/MD
 Sample : VY1011SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBSD01

Manual Integrations
 APPROVED

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 10/15/2019 12:34:05 PM

Quant Time: Oct 14 08:18:38 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	279575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	462163	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	401016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	195896	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	154112	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
35) Dibromofluoromethane	7.74	113	139913	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
50) Toluene-d8	10.19	98	571981	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	
62) 4-Bromofluorobenzene	12.48	95	196726	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	57147	23.574	ug/l	94
3) Chloromethane	2.11	50	71139	20.823	ug/l	95
4) Vinyl Chloride	2.25	62	76300	22.130	ug/l	98
5) Bromomethane	2.63	94	57303	22.426	ug/l	99
6) Chloroethane	2.79	64	46088	20.717	ug/l	97
7) Trichlorofluoromethane	3.12	101	97452	20.663	ug/l	97
8) Diethyl Ether	3.53	74	35628	21.384	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	59224	20.706	ug/l	100
10) Methyl Iodide	4.10	142	70938	18.186	ug/l	97
11) Tert butyl alcohol	4.97	59	31505	102.082	ug/l	99
12) 1,1-Dichloroethene	3.88	96	58920	20.867	ug/l	98
13) Acrolein	3.74	56	36630	101.236	ug/l	98
14) Allyl chloride	4.49	41	97519	20.841	ug/l	99
15) Acrylonitrile	5.17	53	92117	98.780	ug/l	95
16) Acetone	3.96	43	88248	92.403	ug/l	95
17) Carbon Disulfide	4.19	76	182943	20.578	ug/l	98
18) Methyl Acetate	4.49	43	48391	20.393	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	159166	20.249	ug/l	99
20) Methylene Chloride	4.72	84	70417	18.453	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	68400	21.114	ug/l	96
22) Diisopropyl ether	6.13	45	202804	20.492	ug/l	96
23) Vinyl Acetate	6.07	43	658934	102.057	ug/l	98
24) 1,1-Dichloroethane	6.03	63	113422	20.996	ug/l	99
25) 2-Butanone	7.00	43	132124	98.208	ug/l	98
26) 2,2-Dichloropropane	6.99	77	100930	20.276	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	74814	21.342	ug/l	96
28) Bromochloromethane	7.35	49	44379	19.137	ug/l	98
29) Tetrahydrofuran	7.36	42	82675	101.401	ug/l	99
30) Chloroform	7.52	83	114514	21.050	ug/l	94
31) Cyclohexane	7.80	56	115307	20.437	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	100162	20.709	ug/l	99
36) 1,1-Dichloropropene	7.92	75	91511	20.224	ug/l	99
37) Ethyl Acetate	7.08	43	54446	20.321	ug/l	99
38) Carbon Tetrachloride	7.91	117	88873	20.285	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	118677	20.039	ug/l	97
40) Benzene	8.17	78	267770	20.477	ug/l	100
41) Methacrylonitrile	7.32	41	22647m	17.758	ug/l	
42) 1,2-Dichloroethane	8.25	62	76701	20.534	ug/l	97
43) Isopropyl Acetate	8.28	43	100399	19.708	ug/l	98
44) Trichloroethene	8.95	130	75527	20.585	ug/l	99
45) 1,2-Dichloropropane	9.22	63	66271	20.652	ug/l	97
46) Dibromomethane	9.31	93	35979	20.057	ug/l	98
47) Bromodichloromethane	9.50	83	83584	19.771	ug/l	99
48) Methyl methacrylate	9.30	41	43941	19.681	ug/l	95
49) 1,4-Dioxane	9.31	88	10692	397.516	ug/l #	91
51) 4-Methyl-2-Pentanone	10.08	43	260198	99.027	ug/l	100
52) Toluene	10.25	92	166989	20.114	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	92063	20.319	ug/l	92
54) cis-1,3-Dichloropropene	9.94	75	106333	20.666	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	51302	19.669	ug/l	95
56) Ethyl methacrylate	10.52	69	74466	20.030	ug/l	99
57) 1,3-Dichloropropane	10.80	76	92917	20.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	152597	102.907	ug/l	100
59) 2-Hexanone	10.83	43	182665	99.042	ug/l	99
60) Dibromochloromethane	10.99	129	58845	20.355	ug/l	97
61) 1,2-Dibromoethane	11.09	107	50233	20.058	ug/l	99
64) Tetrachloroethene	10.72	164	79155	20.734	ug/l	98
65) Chlorobenzene	11.52	112	178178	21.053	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.59	131	62733	21.101	ug/l	97
67) Ethyl Benzene	11.59	91	323576	20.625	ug/l	96
68) m/p-Xylenes	11.70	106	247712	41.302	ug/l	99
69) o-Xylene	12.03	106	117297	20.501	ug/l	100
70) Styrene	12.05	104	198107	20.531	ug/l	98
71) Bromoform	12.20	173	35717	20.899	ug/l #	96
73) Isopropylbenzene	12.33	105	313533	20.526	ug/l	99
74) N-amyl acetate	12.14	43	79567	21.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	57702	20.120	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	49569m	20.578	ug/l	
77) Bromobenzene	12.61	156	69598	20.476	ug/l	98
78) n-propylbenzene	12.67	91	380915	20.770	ug/l	100
79) 2-Chlorotoluene	12.76	91	210687	20.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	266501	20.807	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	22337	20.289	ug/l	99
82) 4-Chlorotoluene	12.86	91	219328	20.486	ug/l	100
83) tert-Butylbenzene	13.08	119	224831	20.728	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	263456	20.841	ug/l	99
85) sec-Butylbenzene	13.25	105	318624	20.306	ug/l	100
86) p-Isopropyltoluene	13.37	119	283538	20.727	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	137422	20.520	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	140559	20.999	ug/l	98
89) n-Butylbenzene	13.70	91	278887	20.630	ug/l	100
90) Hexachloroethane	13.96	117	51472	20.320	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	126261	20.833	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	11213	20.615	ug/l	90

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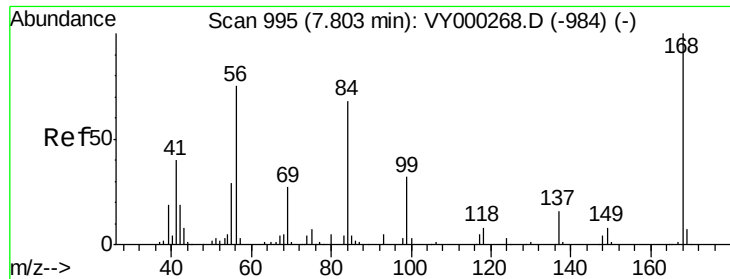
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	87195	20.664	ug/l	99
94) Hexachlorobutadiene	15.11	225	48114	21.070	ug/l	99
95) Naphthalene	15.23	128	192620	20.455	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	78229	20.571	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion:168 Resp: 279575

Ion Ratio Lower Upper

168 100

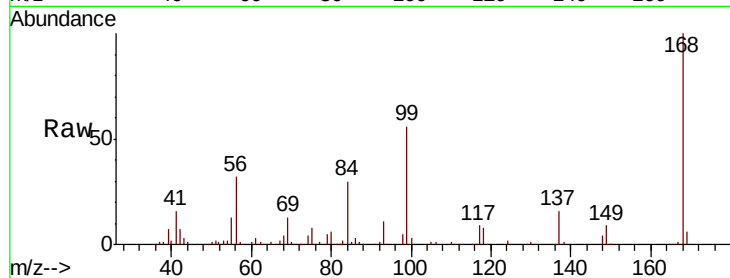
99 56.1 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

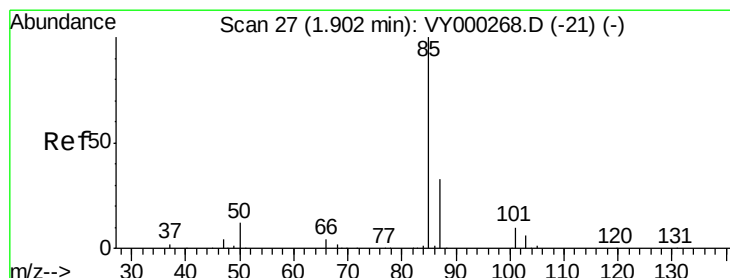
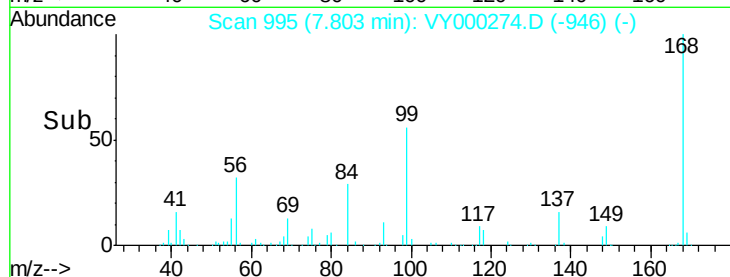
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.574 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000274.D

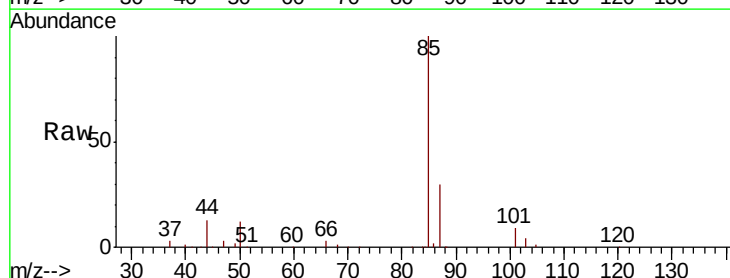
Acq: 11 Oct 2019 16:39

Tgt Ion: 85 Resp: 57147

Ion Ratio Lower Upper

85 100

87 29.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.90

40000

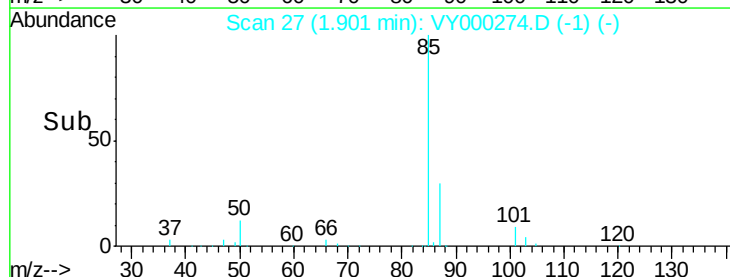
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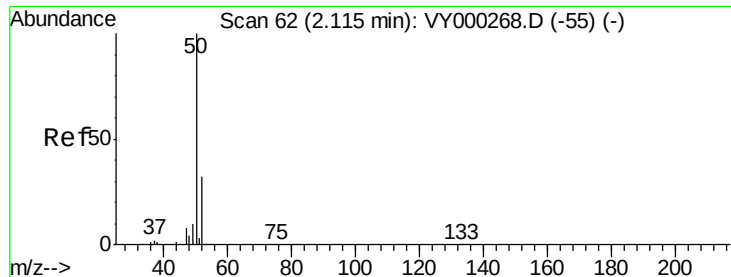
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.823 ug/l

RT: 2.11 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion: 50 Resp: 71139

Ion Ratio Lower Upper

50 100

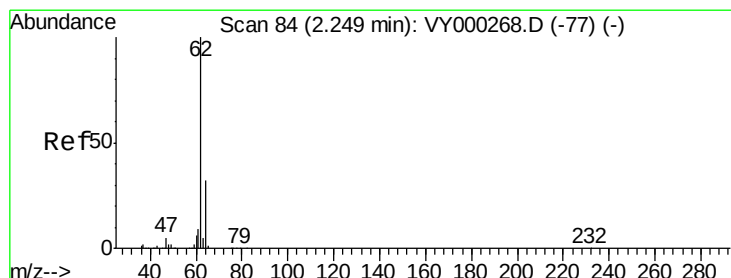
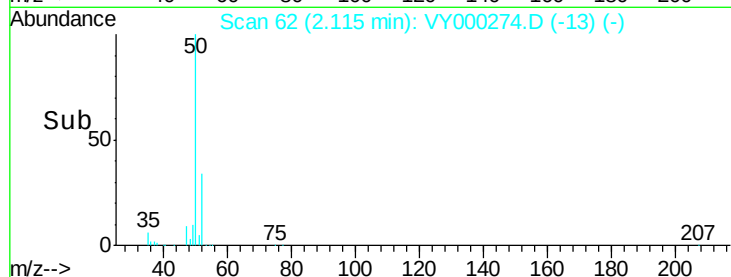
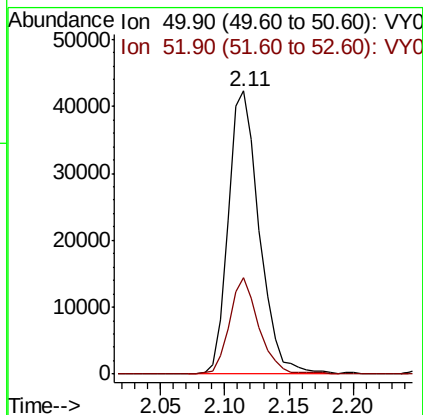
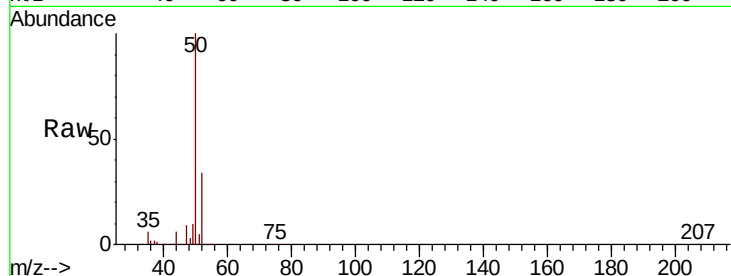
52 34.2 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.130 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000274.D

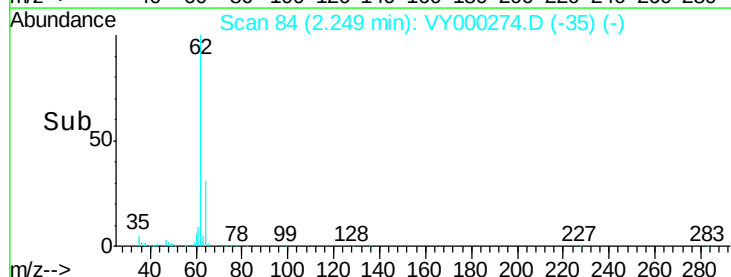
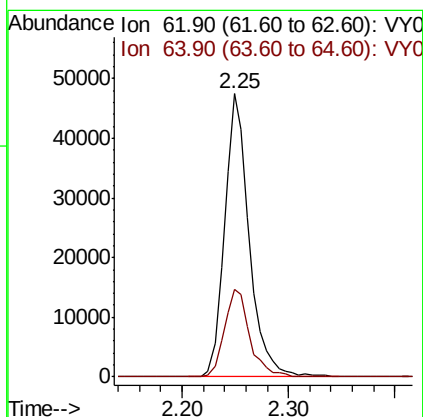
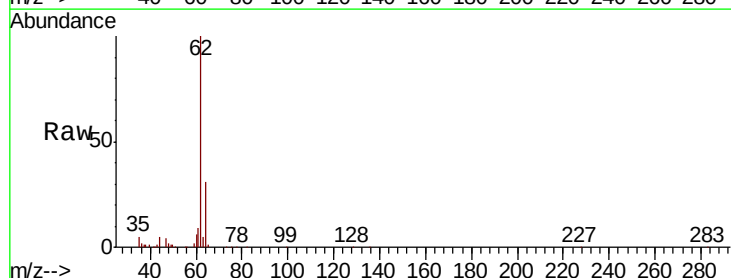
Acq: 11 Oct 2019 16:39

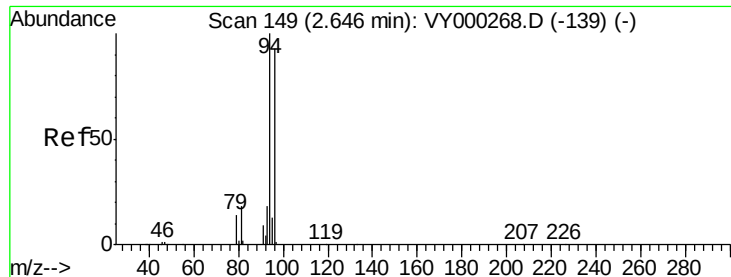
Tgt Ion: 62 Resp: 76300

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4





#5

Bromomethane

Concen: 22.426 ug/l

RT: 2.63 min Scan# 147

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion: 94 Resp: 57303

Ion Ratio Lower Upper

94 100

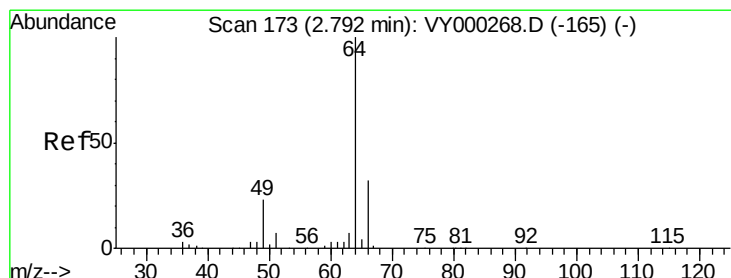
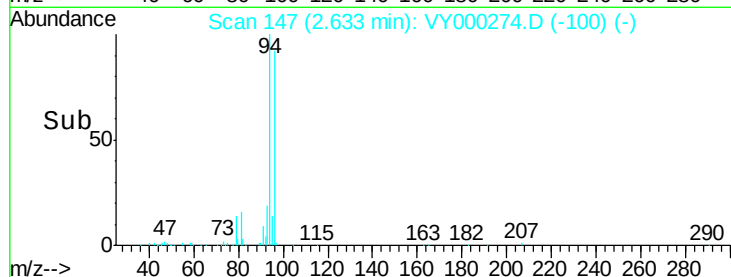
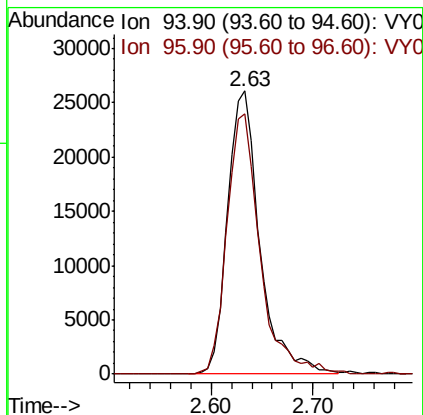
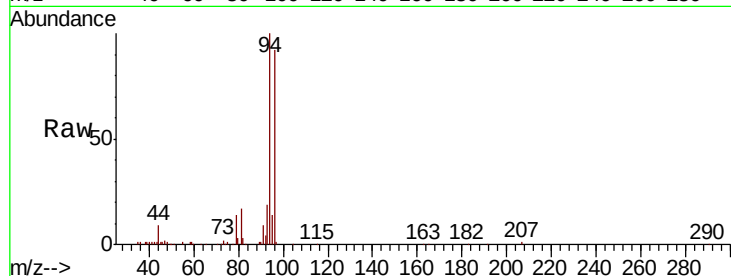
96 92.1 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 20.717 ug/l

RT: 2.79 min Scan# 172

Delta R.T. -0.01 min

Lab File: VY000274.D

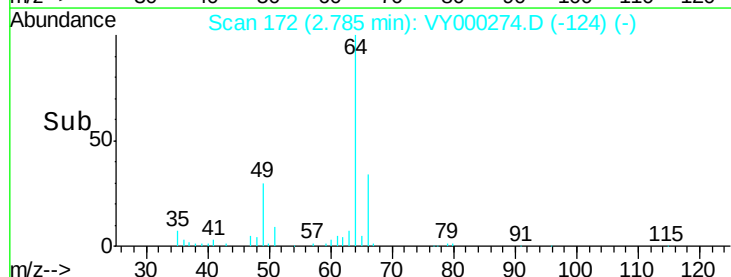
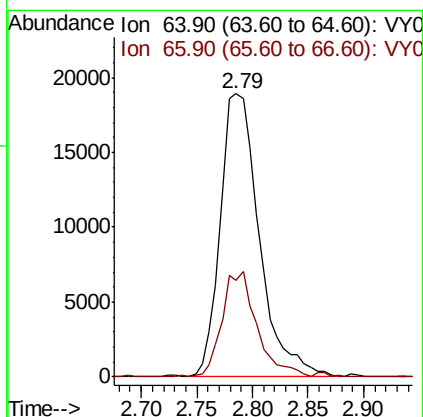
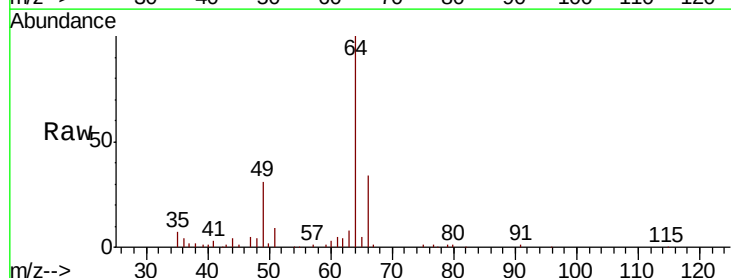
Acq: 11 Oct 2019 16:39

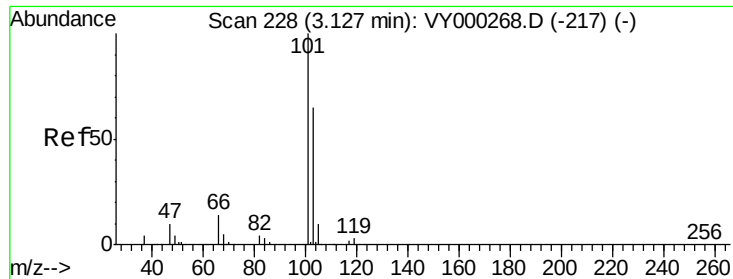
Tgt Ion: 64 Resp: 46088

Ion Ratio Lower Upper

64 100

66 33.7 25.6 38.4





#7

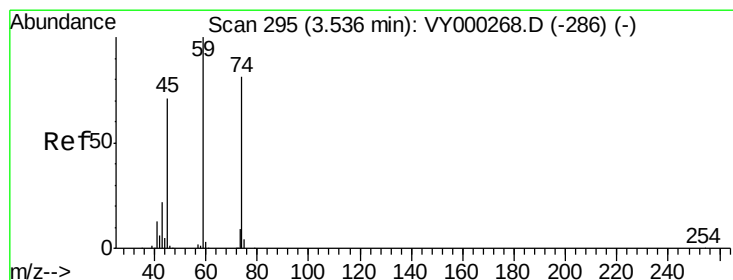
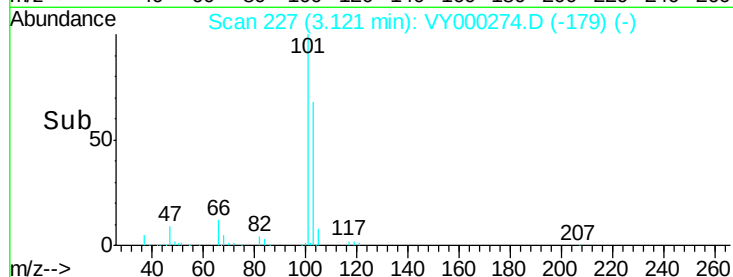
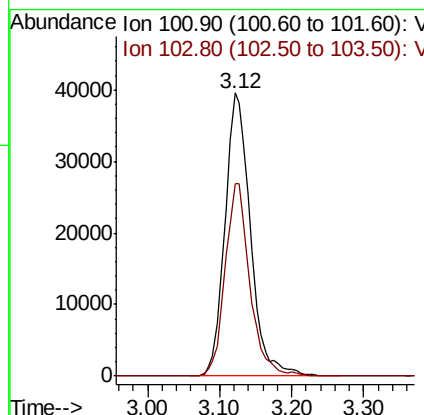
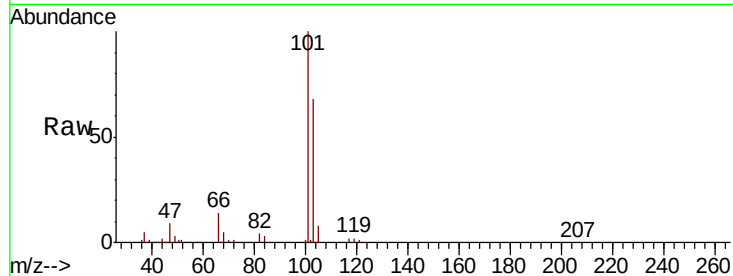
Trichlorofluoromethane
 Concen: 20.663 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
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 ClientSampleId :
 VY1011SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	52.2	78.4

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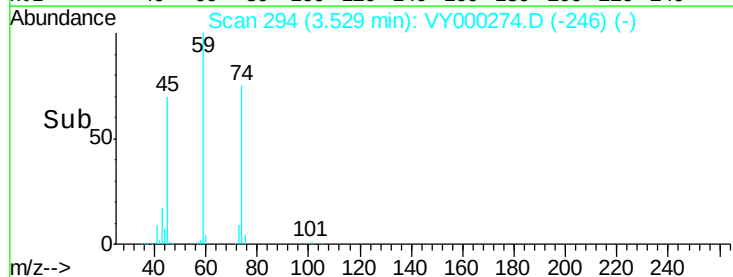
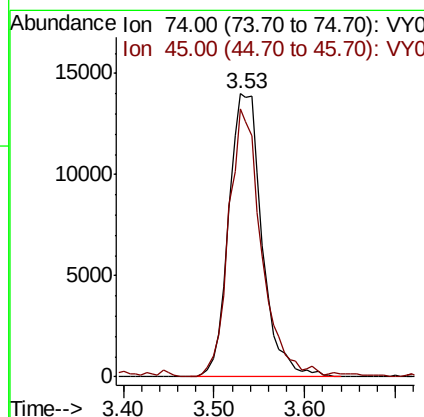
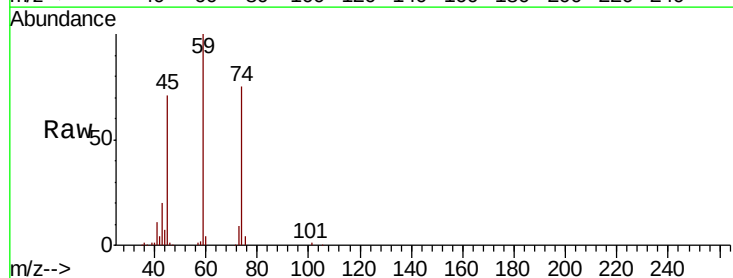
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 10/15/2019 12:34:05 PM

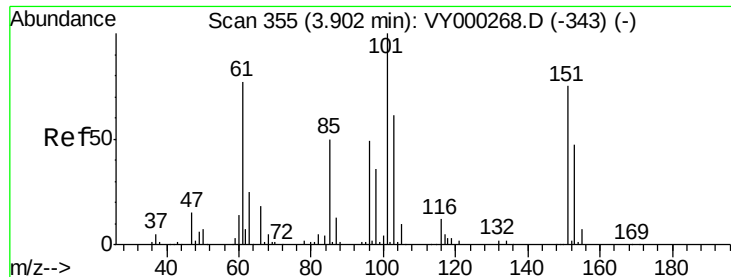


#8

Diethyl Ether
 Concen: 21.384 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.4	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.706 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

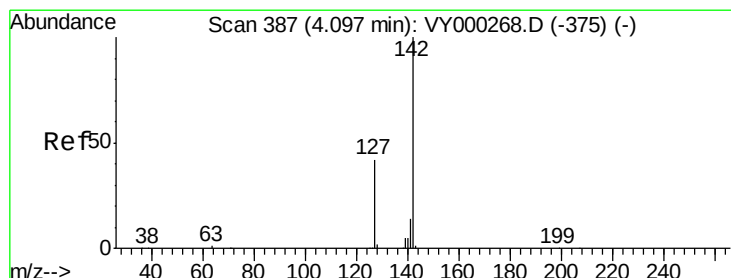
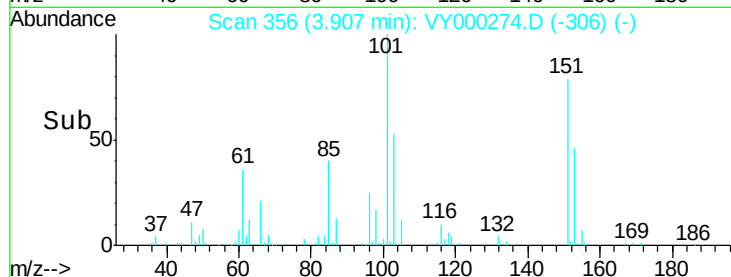
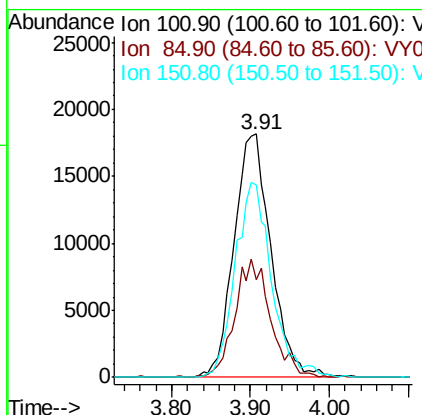
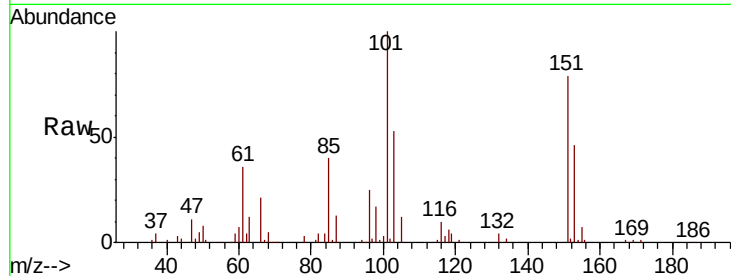
ClientSampleId :

VY1011SBSD01

Tot Ion:	101	Resp:	59224
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.6	55.0
151	78.9	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.186 ug/l

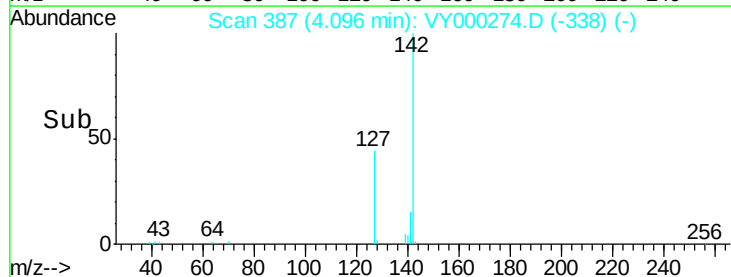
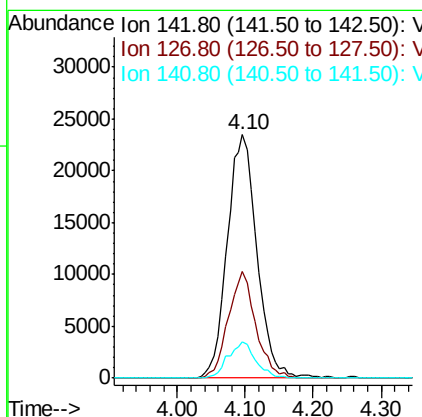
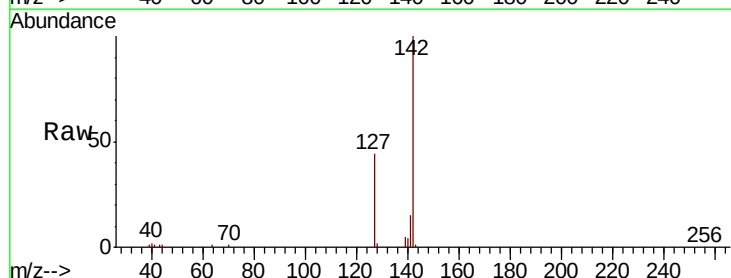
RT: 4.10 min Scan# 387

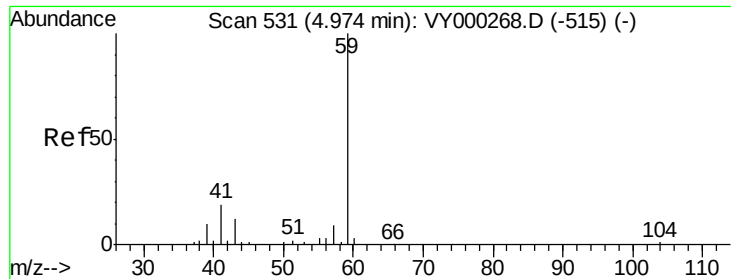
Delta R.T. 0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion:	142	Resp:	70938
Ion Ratio	Lower	Upper	
142	100		
127	40.3	33.9	50.9
141	13.7	11.2	16.8





#11

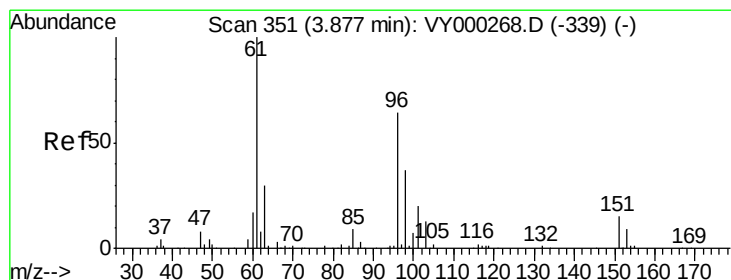
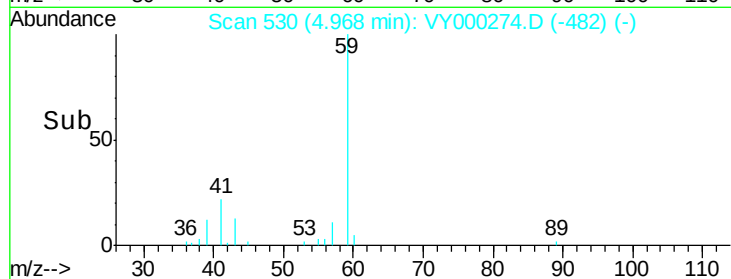
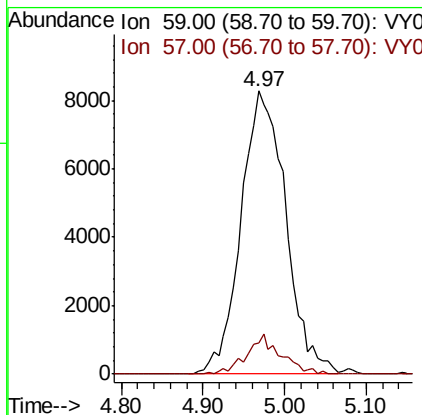
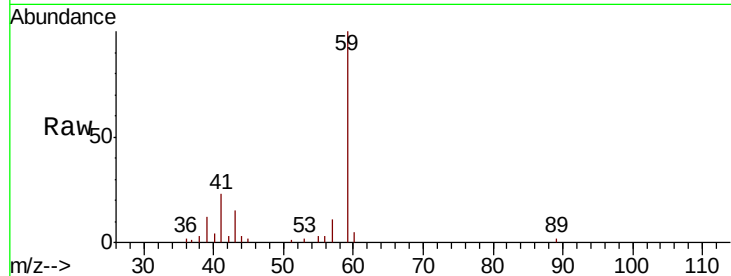
Tert butyl alcohol
 Concen: 102.082 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.2

Manual Integrations
 APPROVED

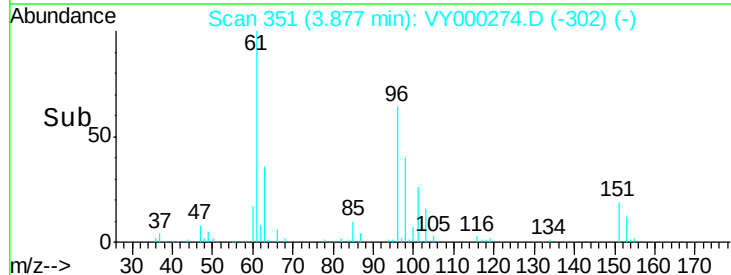
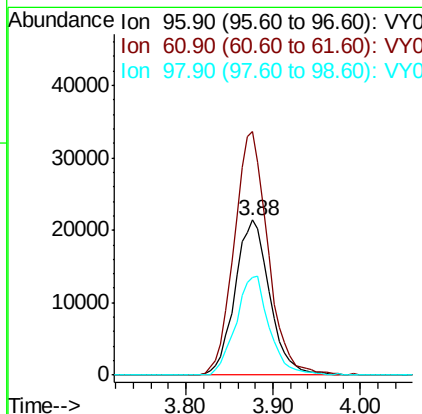
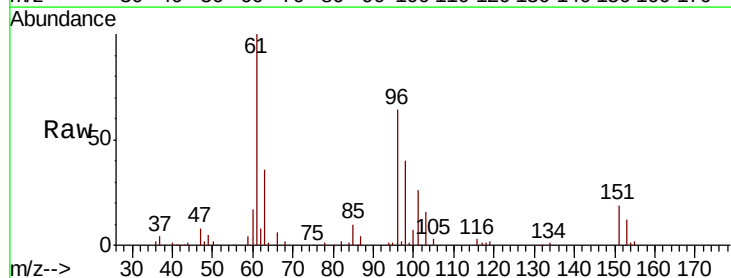
MMDadoda
 10/15/2019 12:34:05 PM

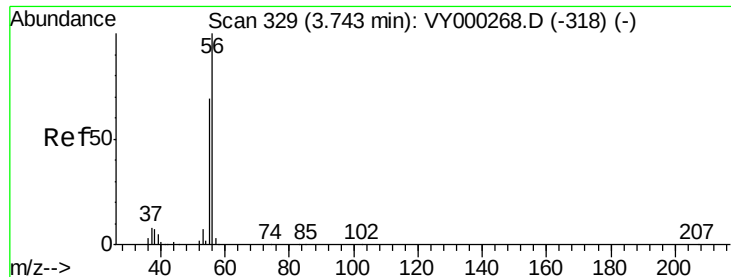


#12

1,1-Dichloroethene
 Concen: 20.867 ug/l
 RT: 3.88 min Scan# 351
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	125.8	188.6
98	63.2	46.2	69.2





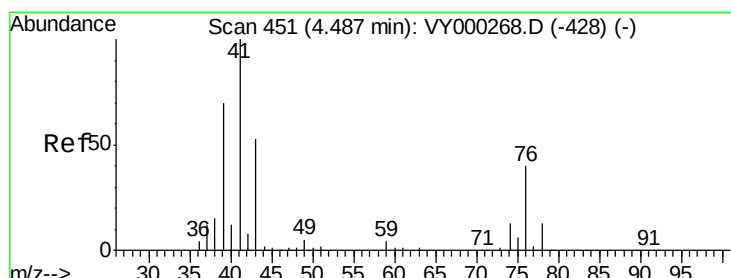
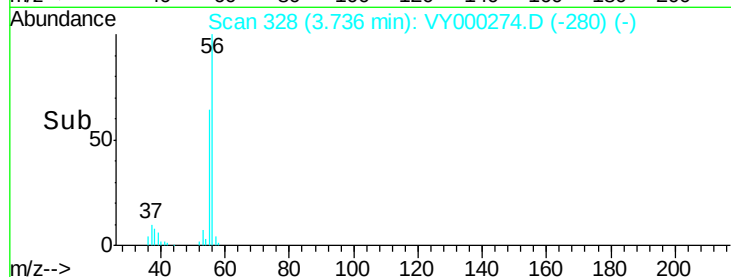
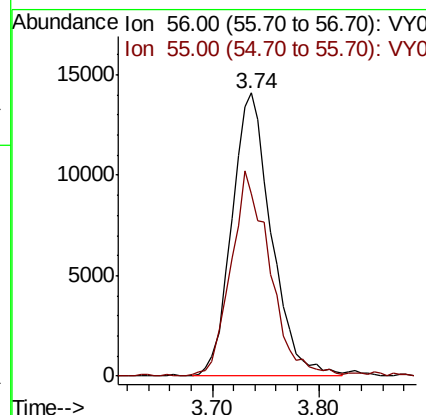
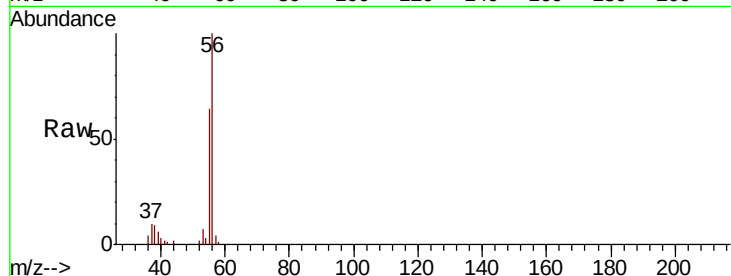
#13
Acrolein
Concen: 101.236 ug/l
RT: 3.74 min Scan# 328
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBSD01

Tot Ion	56	Resp	36630
Ion Ratio	100	Lower	Upper
55	71.3	55.7	83.5

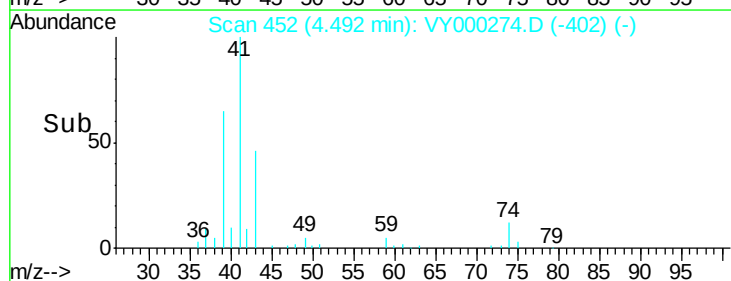
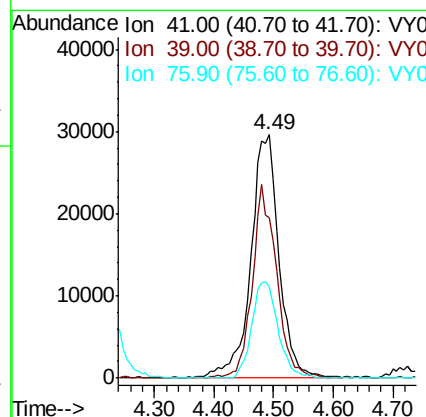
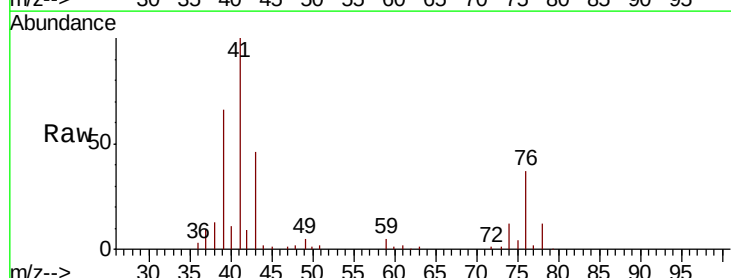
Manual Integrations
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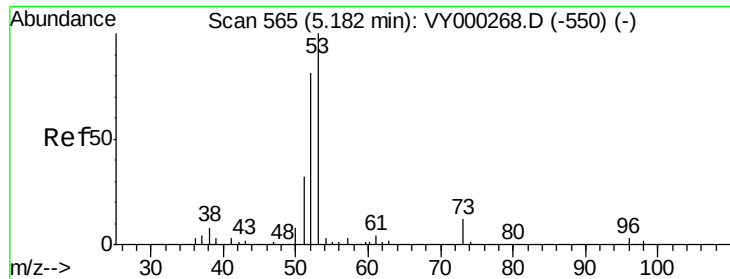
MMDadoda
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#14
Allyl chloride
Concen: 20.841 ug/l
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	41	Resp	97519
Ion Ratio	100	Lower	Upper
39	68.3	54.0	81.0
76	37.1	30.7	46.1





#15

Acrylonitrile

Concen: 98.780 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

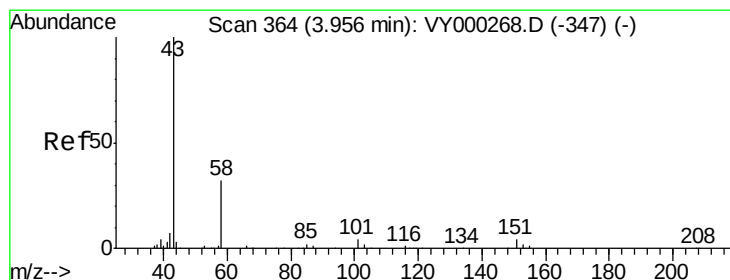
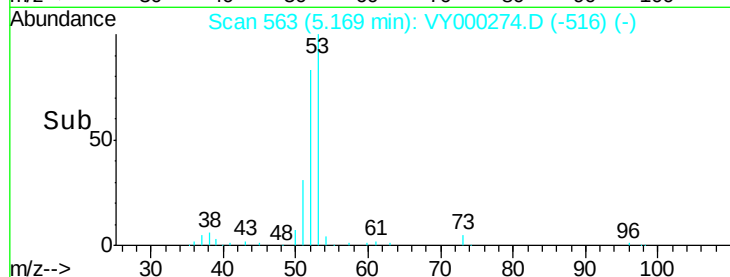
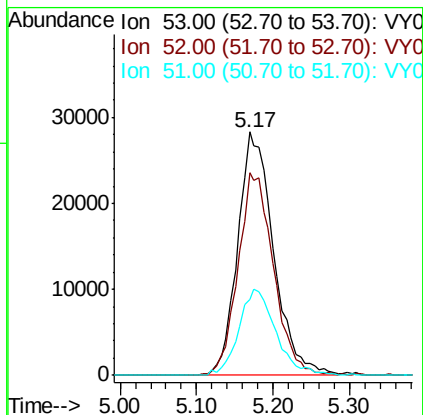
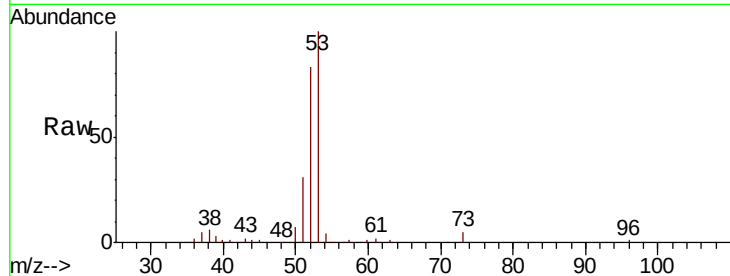
ClientSampleId :

VY1011SBSD01

Tot Ion:	53	Resp:	92117
Ion Ratio	Lower	Upper	
53	100		
52	82.2	62.9	94.3
51	36.8	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 92.403 ug/l

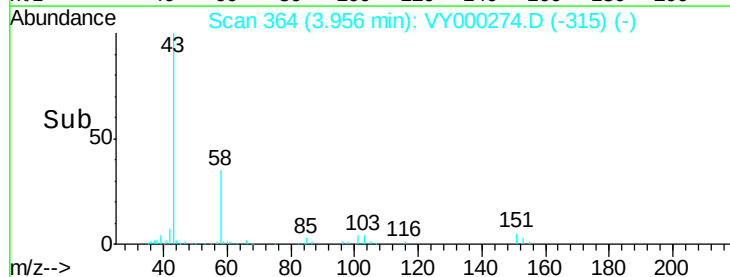
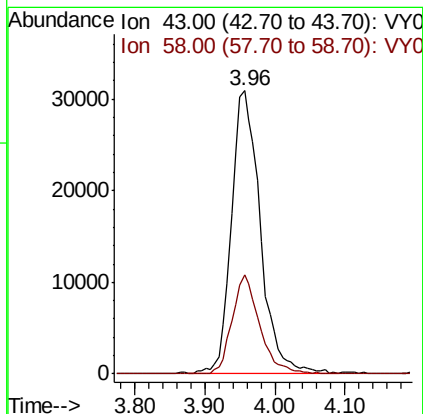
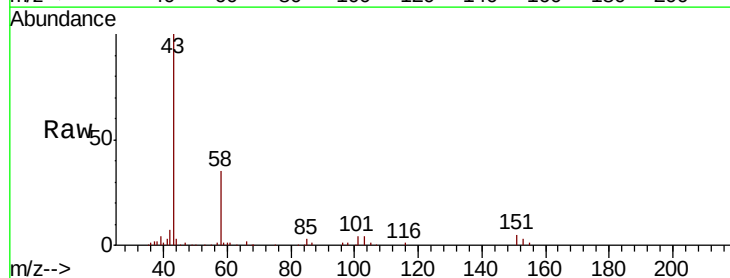
RT: 3.96 min Scan# 364

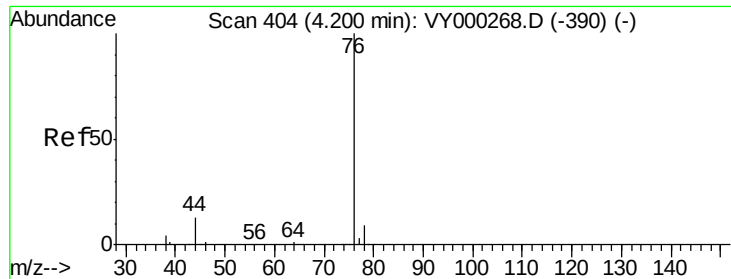
Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion:	43	Resp:	88248
Ion Ratio	Lower	Upper	
43	100		
58	35.1	25.8	38.6





#17

Carbon Disulfide

Concen: 20.578 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion: 76 Resp: 182943

Ion Ratio Lower Upper

76 100

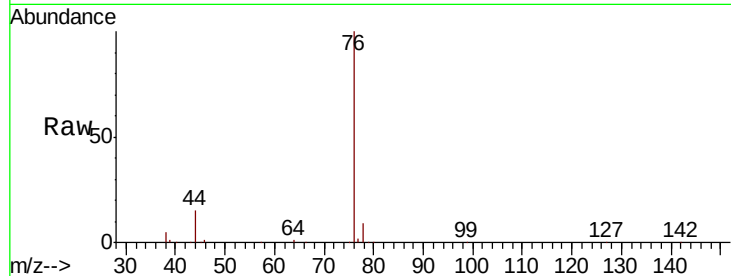
78 9.5 7.0 10.4

Manual Integrations

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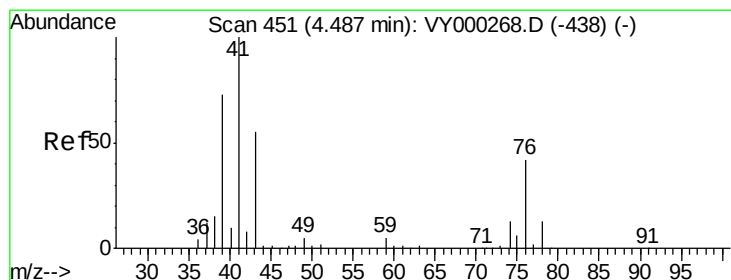
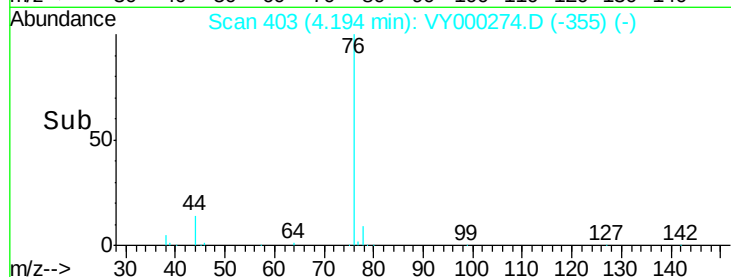
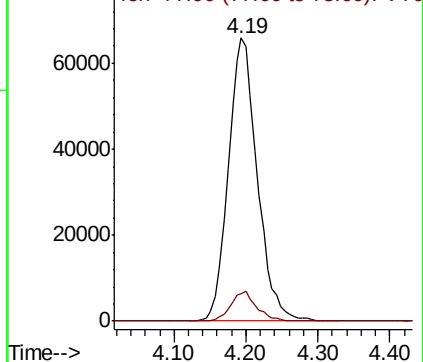
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 20.393 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000274.D

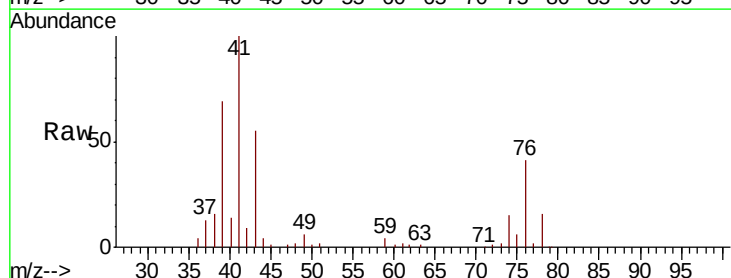
Acq: 11 Oct 2019 16:39

Tgt Ion: 43 Resp: 48391

Ion Ratio Lower Upper

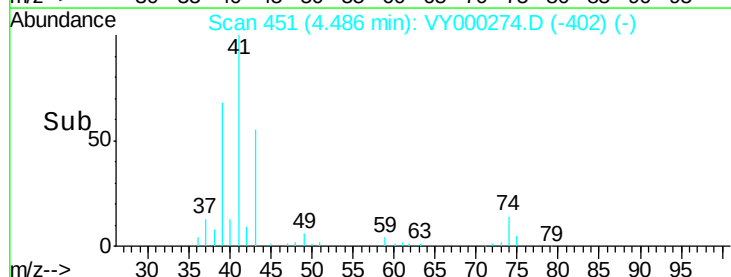
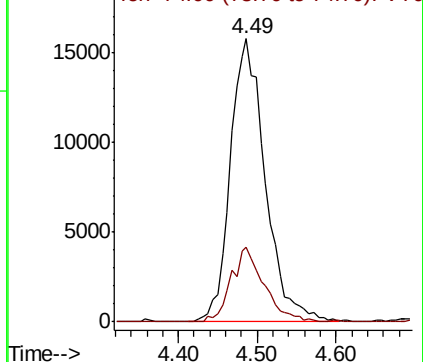
43 100

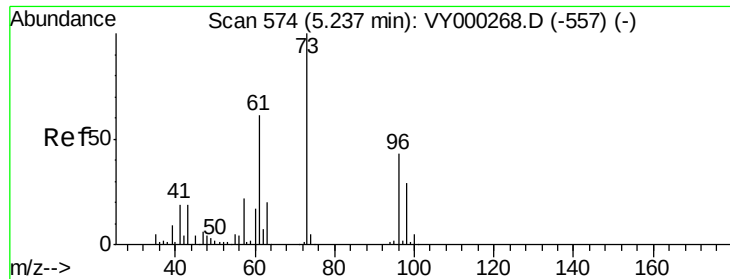
74 25.0 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





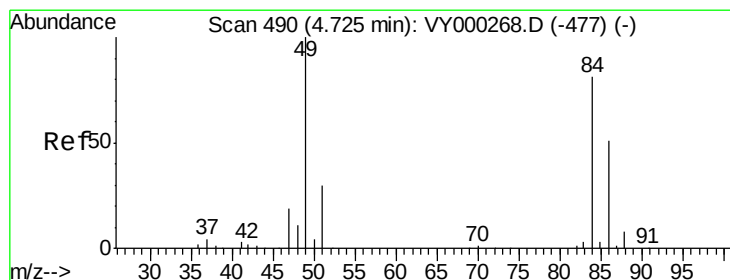
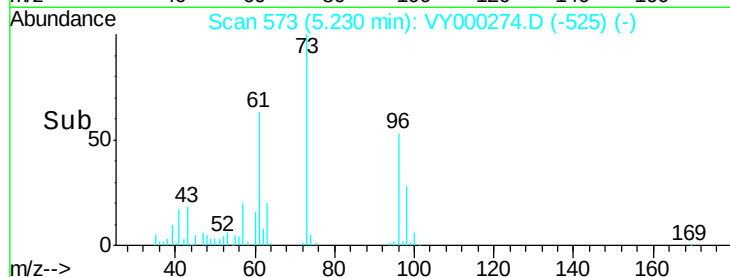
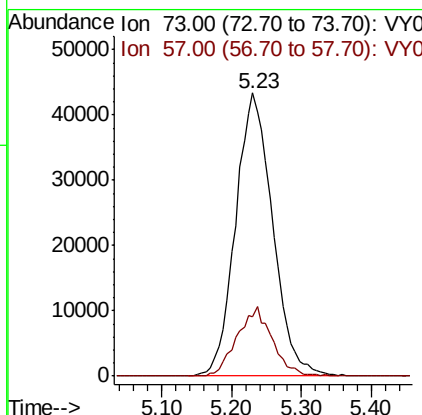
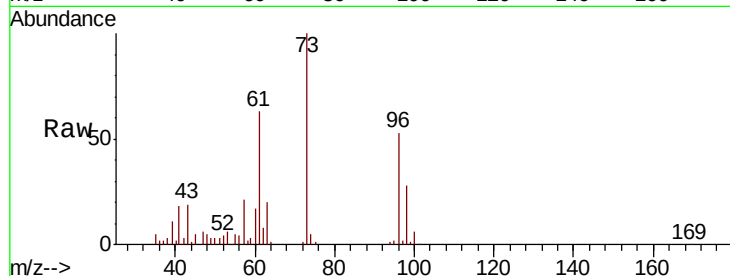
#19
Methyl tert-butyl Ether
Concen: 20.249 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion: 73 Resp: 159166
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0

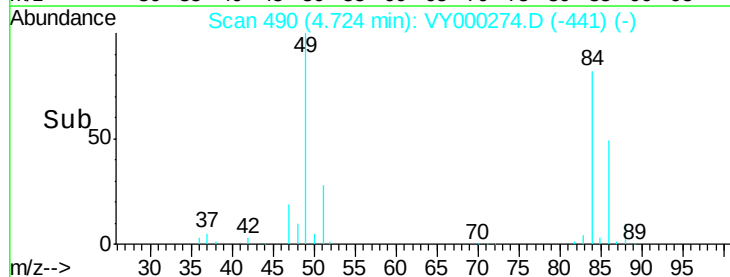
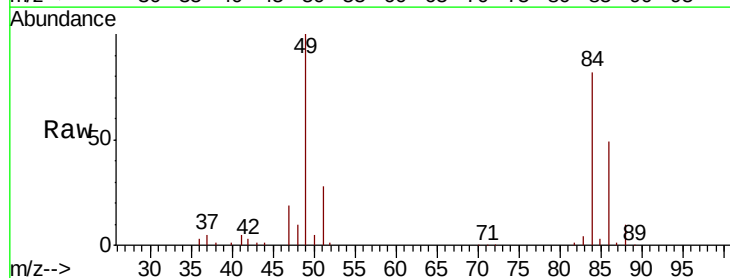
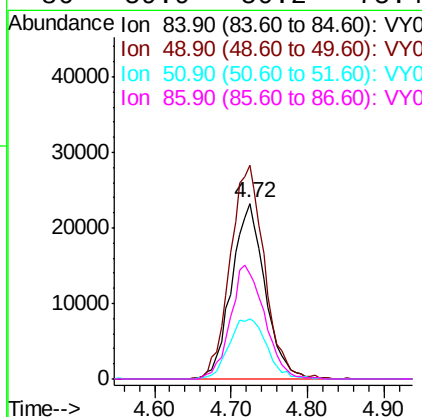
Manual Integrations
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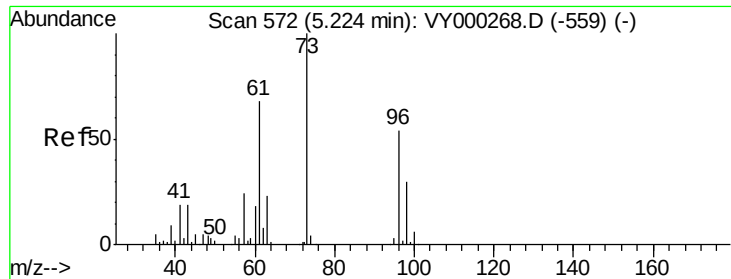
MMDadoda
10/15/2019 12:34:05 PM



#20
Methylene Chloride
Concen: 18.453 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 84 Resp: 70417
Ion Ratio Lower Upper
84 100
49 121.5 99.0 148.4
51 34.1 29.3 43.9
86 59.9 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 21.114 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion: 96 Resp: 68400

Ion Ratio Lower Upper

96 100

61 120.7 100.4 150.6

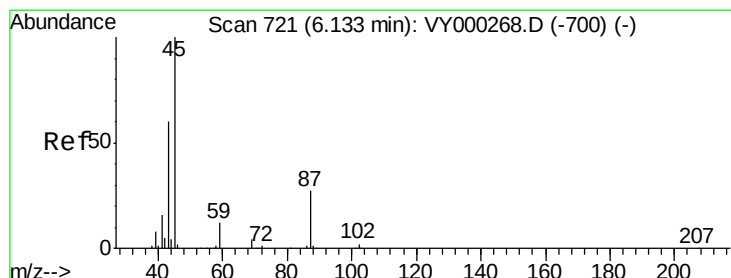
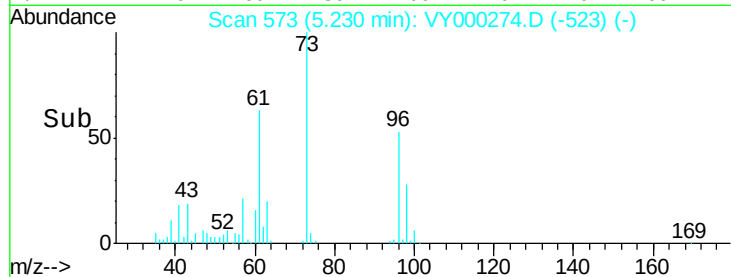
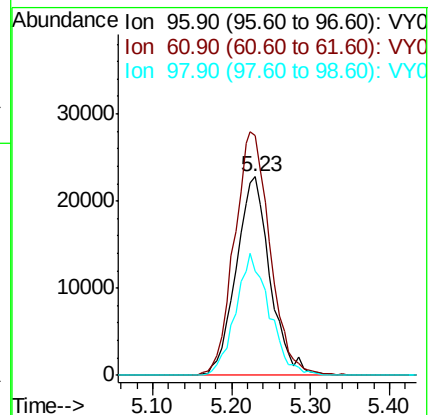
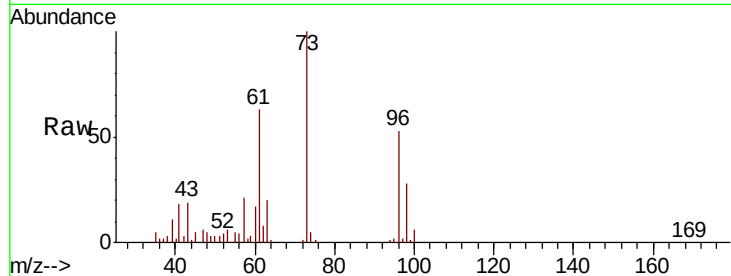
98 52.7 44.6 66.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.492 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion: 45 Resp: 202804

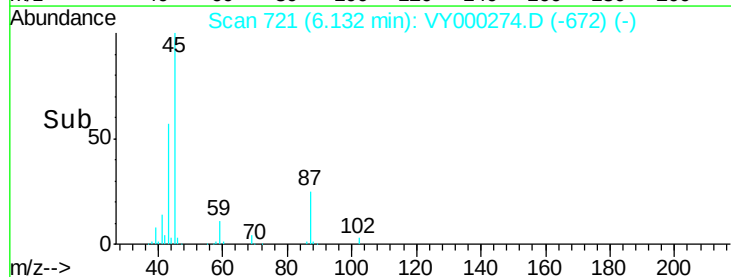
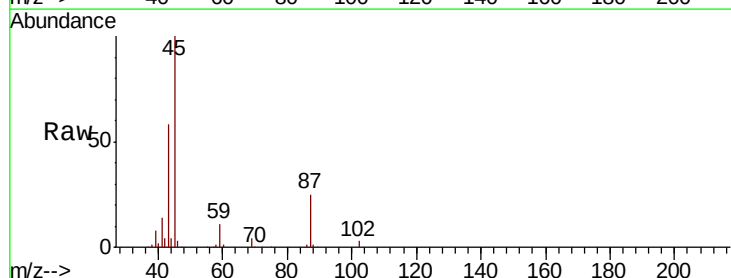
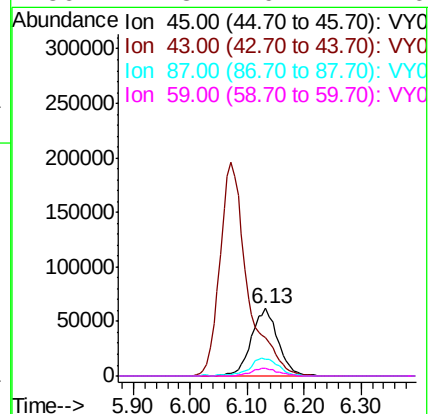
Ion Ratio Lower Upper

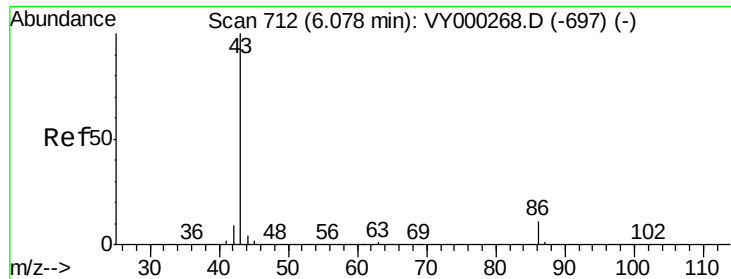
45 100

43 57.2 48.5 72.7

87 24.6 21.5 32.3

59 11.3 9.4 14.0





#23

Vinyl Acetate

Concen: 102.057 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion: 43 Resp: 658934

Ion Ratio Lower Upper

43 100

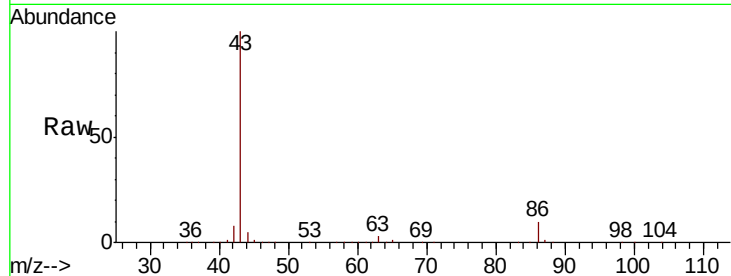
86 10.2 8.6 13.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

200000

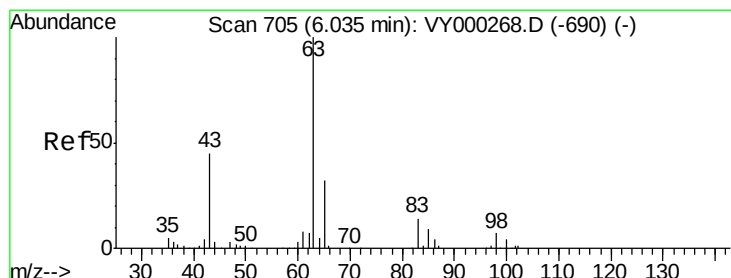
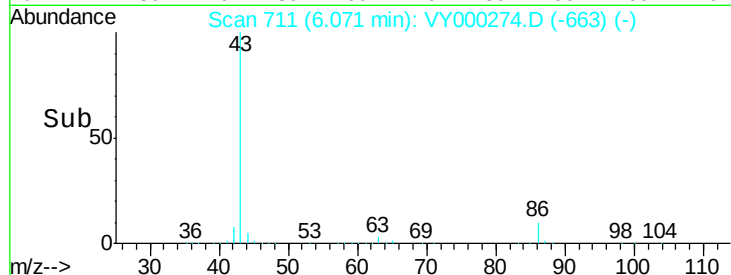
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.996 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

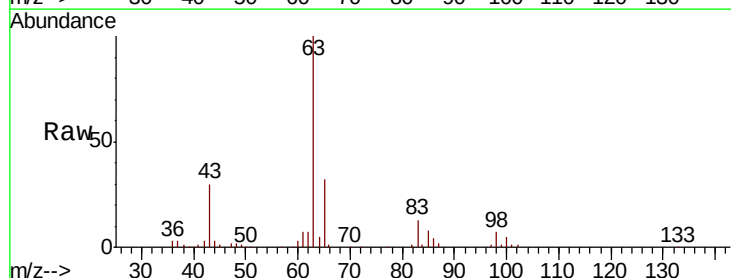
Tgt Ion: 63 Resp: 113422

Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.4

100 4.7 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

50000

40000

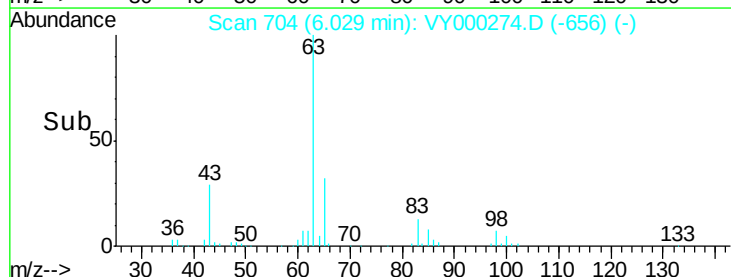
30000

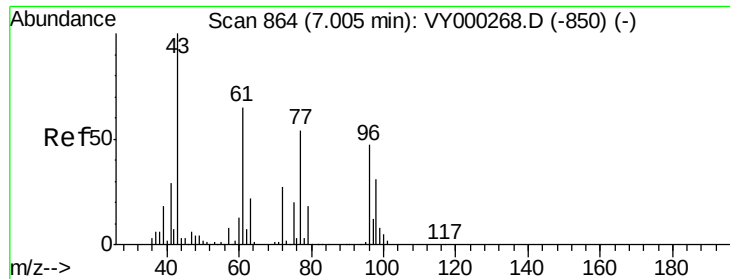
20000

10000

0

Time-->





#25

2-Butanone

Concen: 98.208 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion: 43 Resp: 132124

Ion Ratio Lower Upper

43 100

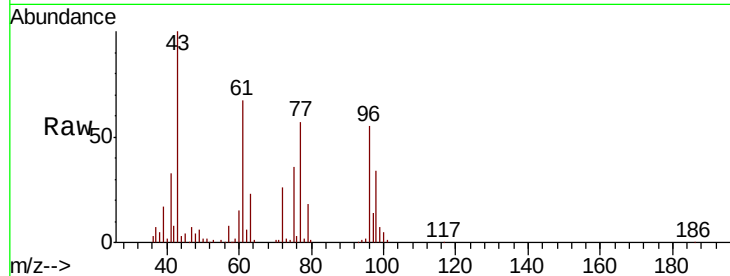
72 25.7 21.4 32.2

Manual Integrations

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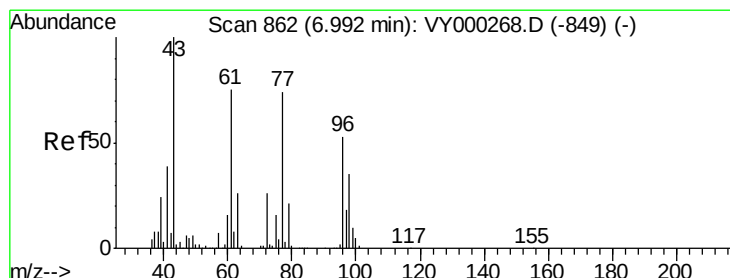
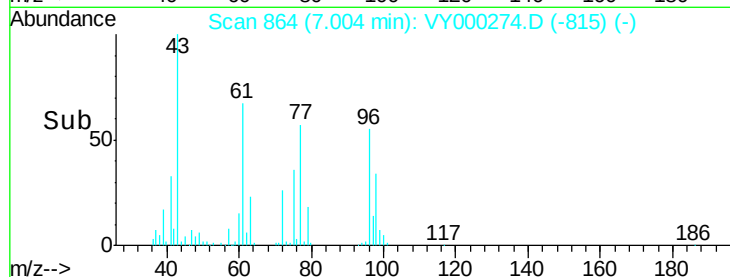
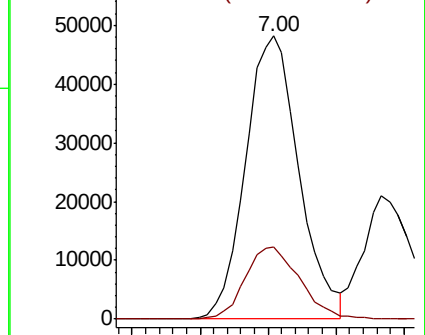
MMDadoda

10/15/2019 12:34:05 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 20.276 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000274.D

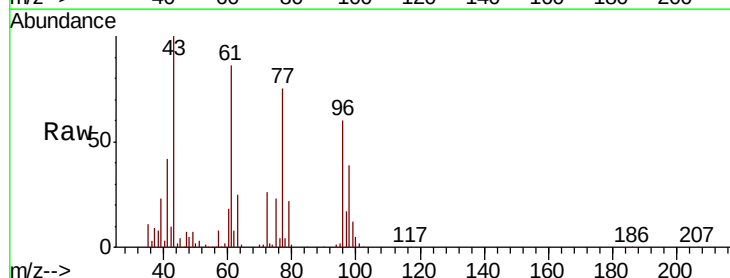
Acq: 11 Oct 2019 16:39

Tgt Ion: 77 Resp: 100930

Ion Ratio Lower Upper

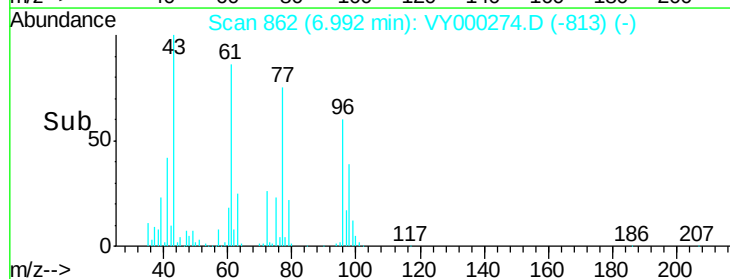
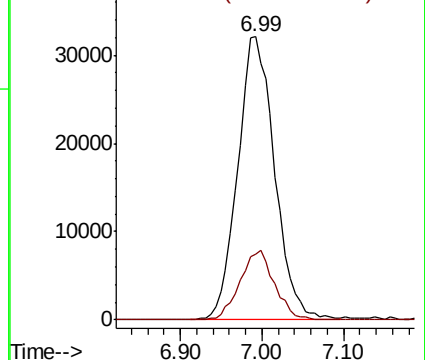
77 100

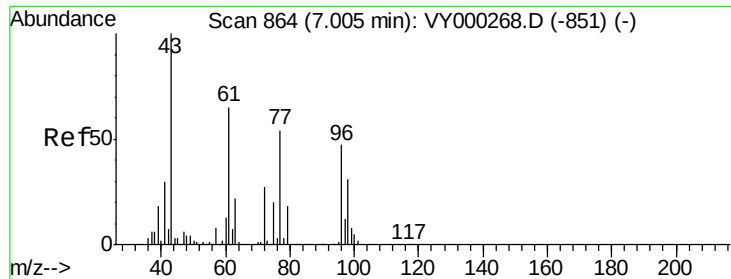
97 22.9 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

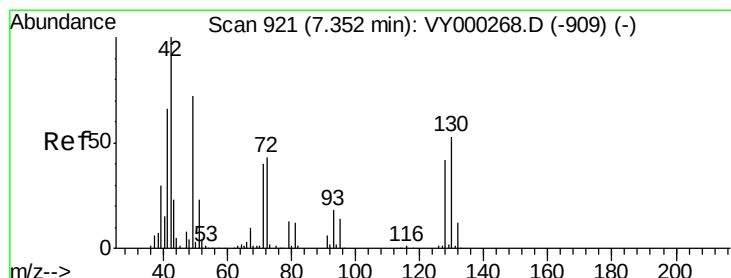
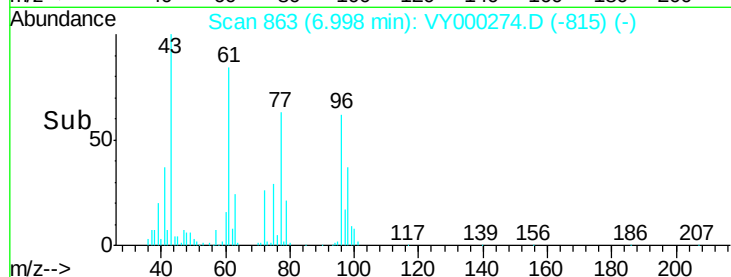
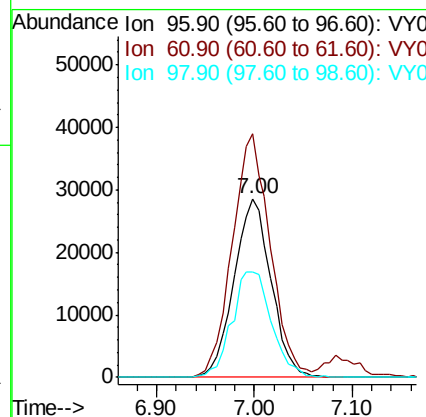
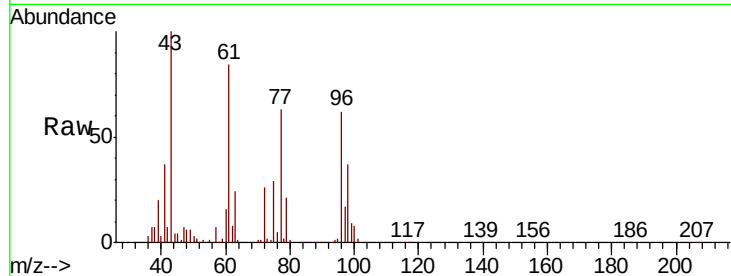
cis-1,2-Dichloroethene
 Concen: 21.342 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	289.8
98	63.5	0.0	131.8

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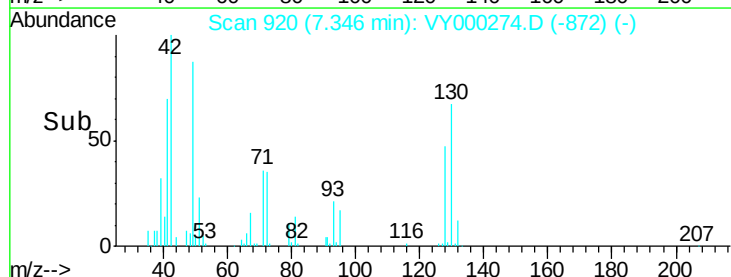
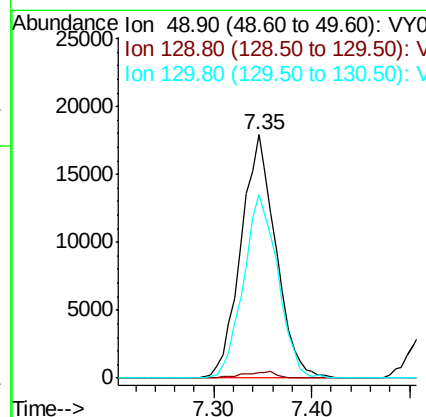
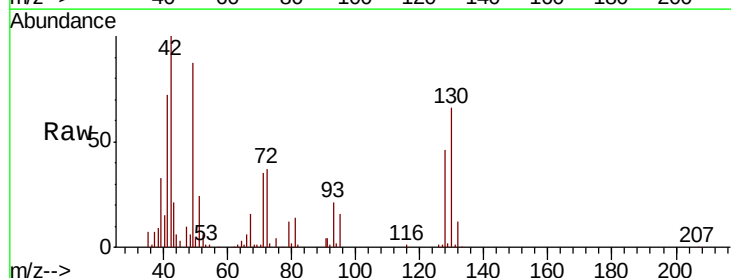
MMDadoda
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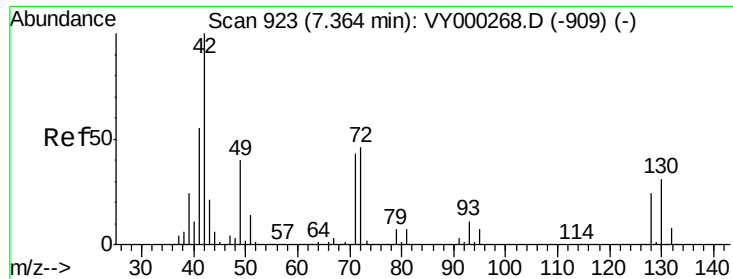


#28

Bromochloromethane
 Concen: 19.137 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	74.3	58.2	87.2





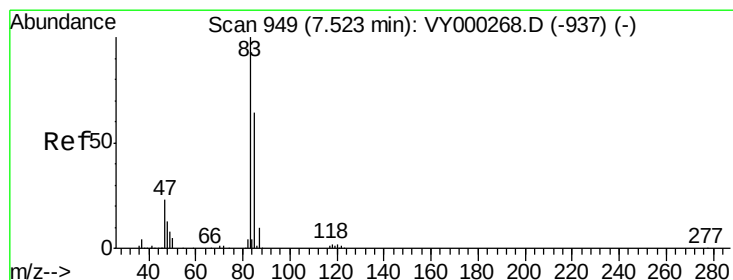
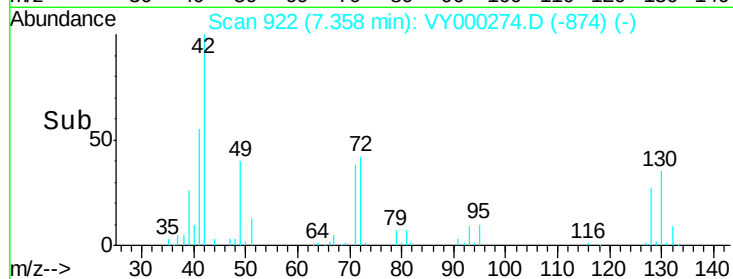
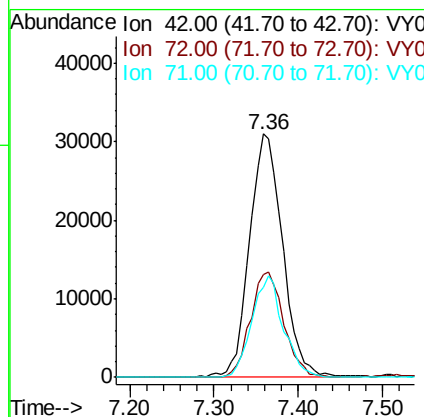
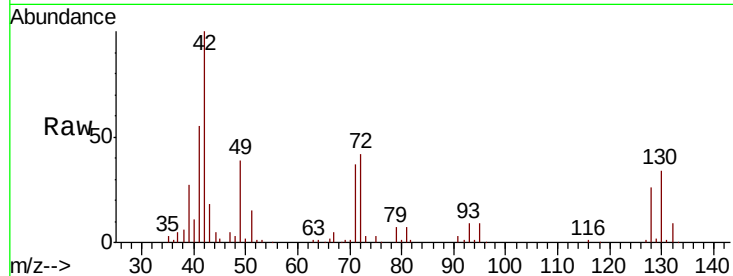
#29
Tetrahydrofuran
Concen: 101.401 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.5	51.7
71	39.7	32.7	49.1

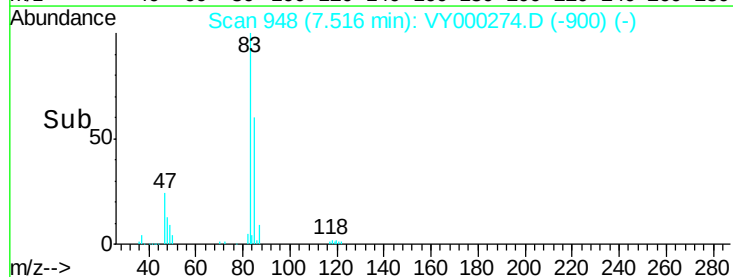
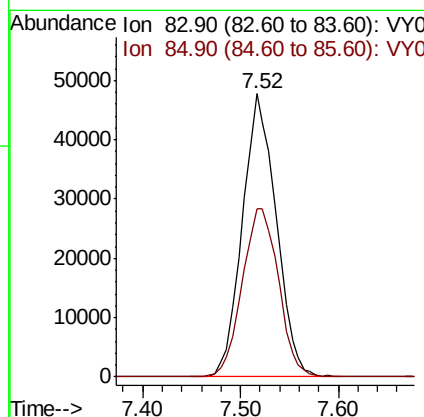
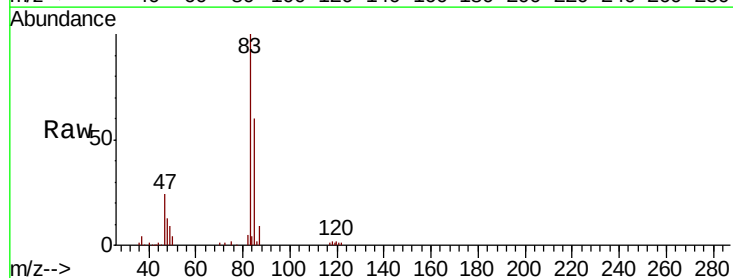
Manual Integrations
APPROVED

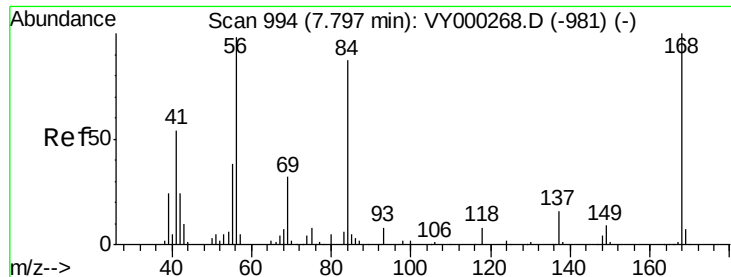
MMDadoda
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#30
Chloroform
Concen: 21.050 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.4	77.2





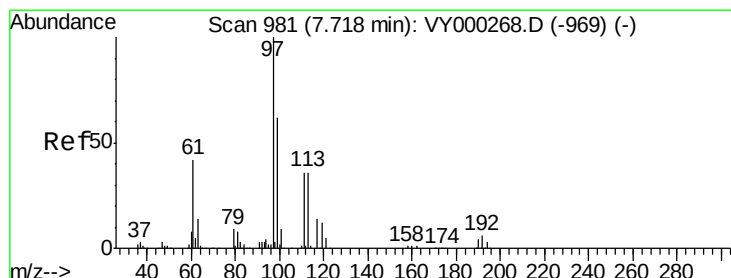
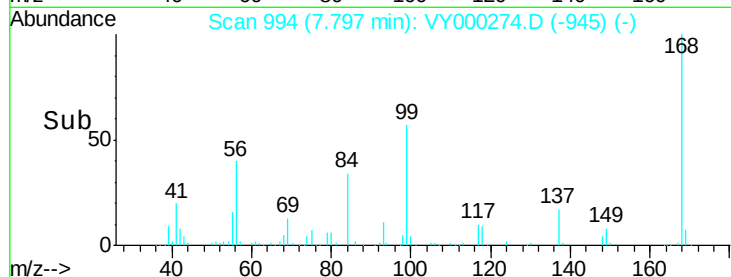
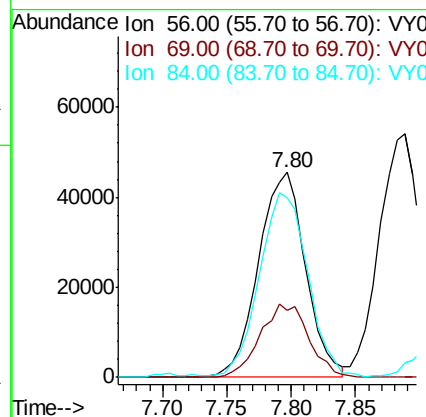
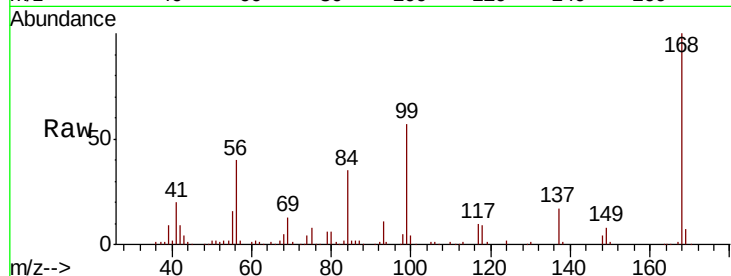
#31
Cyclohexane
Concen: 20.437 ug/l
RT: 7.80 min Scan# 994
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
56	100	115307		
69	32.5	26.3	39.5	
84	86.2	70.8	106.2	

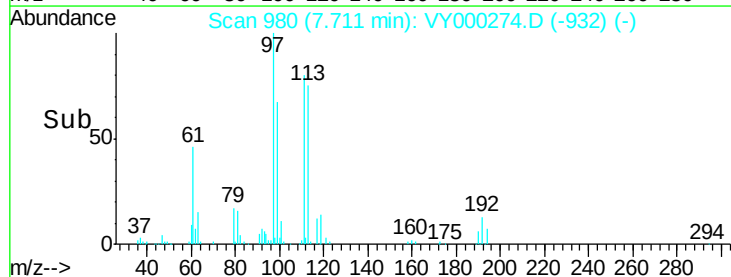
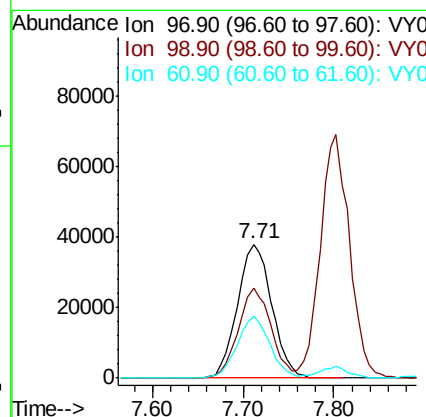
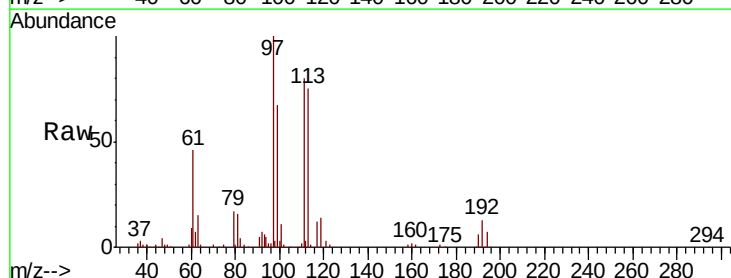
Manual Integrations
APPROVED

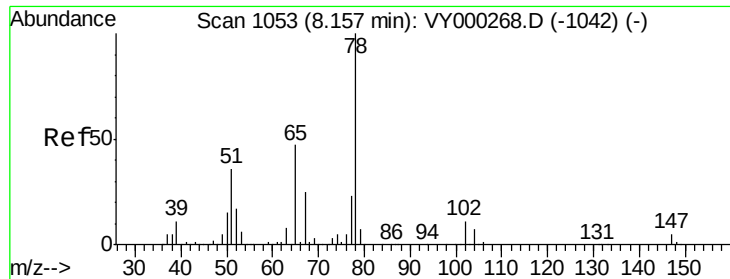
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#32
1,1,1-Trichloroethane
Concen: 20.709 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	100162		
99	63.9	51.7	77.5	
61	43.5	34.5	51.7	





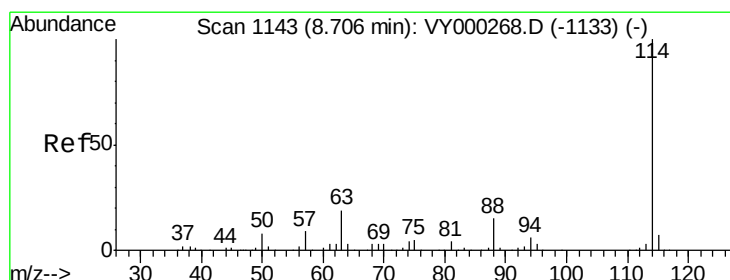
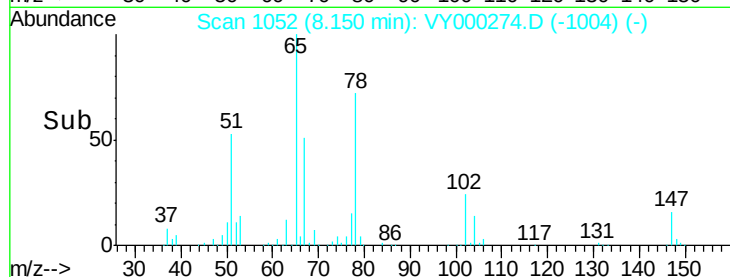
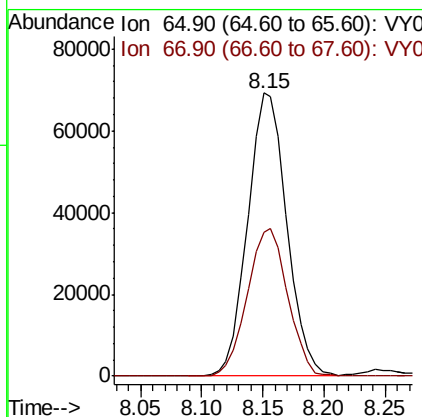
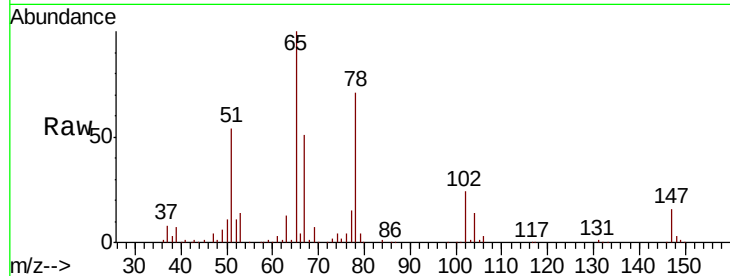
#33
 1,2-Dichloroethane-d4
 Concen: 52.258 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.8	0.0	109.4	

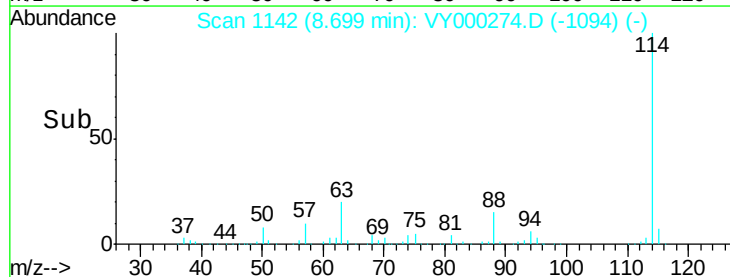
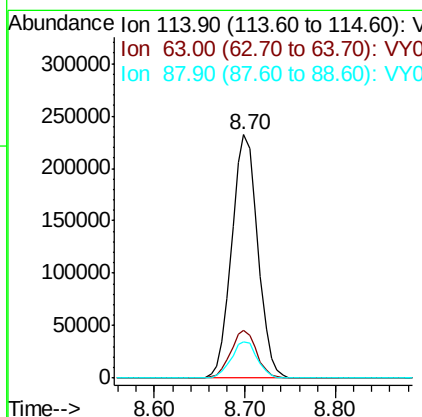
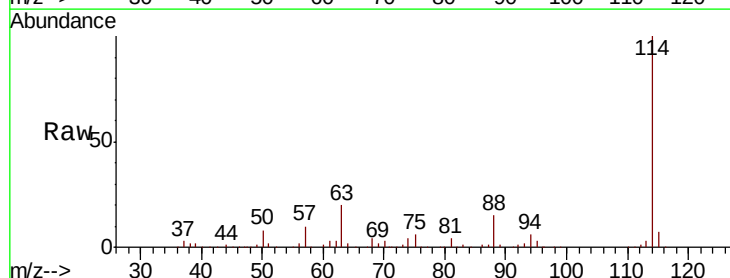
Manual Integrations
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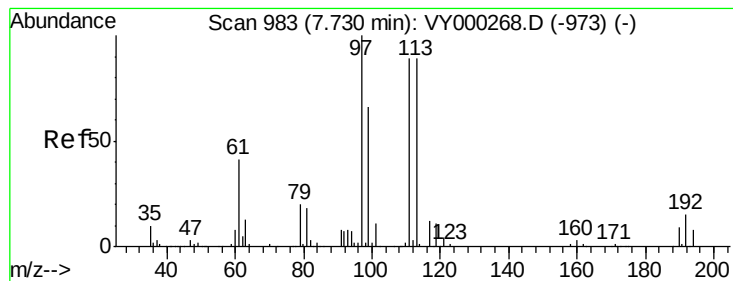
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	37.2	
88	15.0	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.187 ug/l

RT: 7.74 min Scan# 984

Delta R.T. 0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

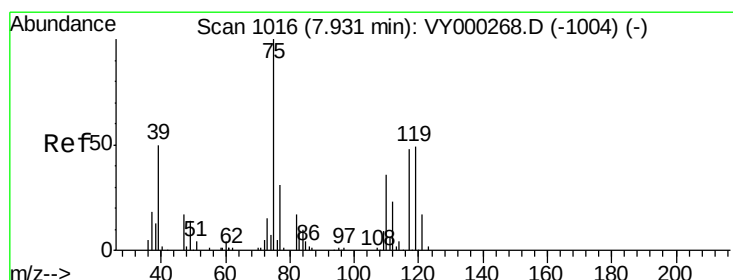
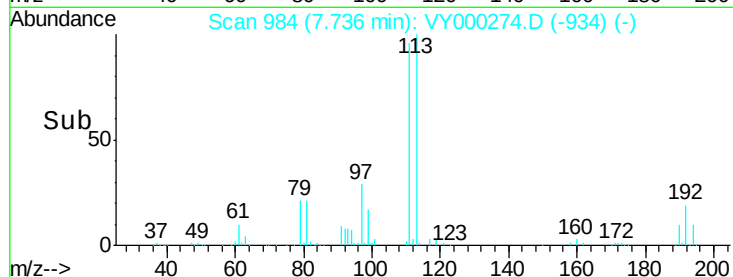
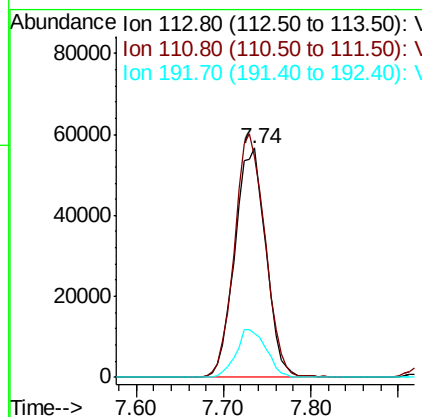
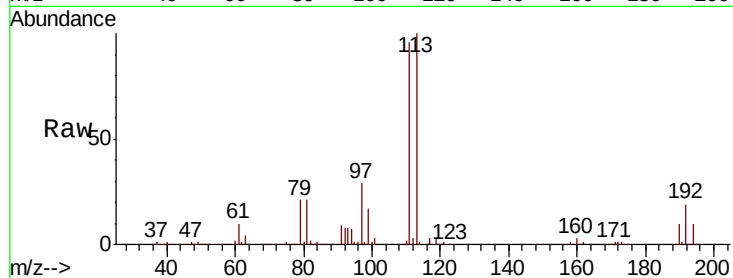
ClientSampleId :

VY1011SBS01

Tot Ion:	113	Resp:	139913
Ion Ratio	Lower	Upper	
113	100		
111	105.2	81.6	122.4
192	20.4	15.3	22.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.224 ug/l

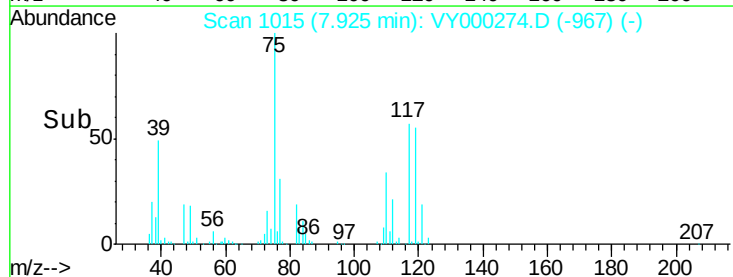
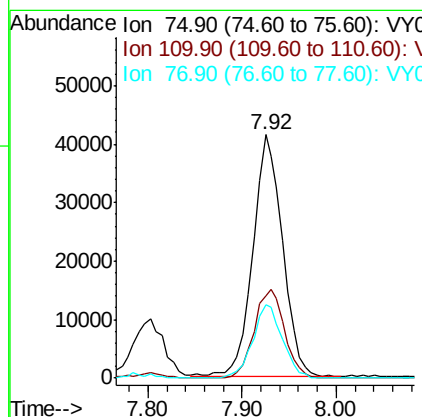
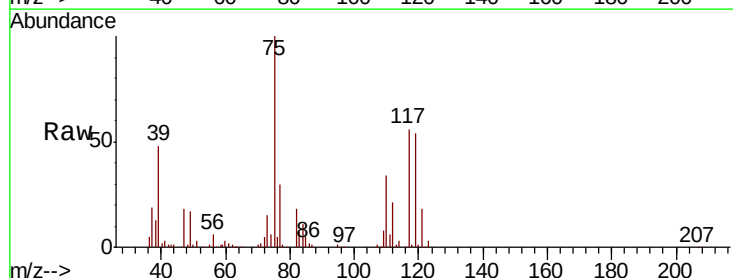
RT: 7.92 min Scan# 1015

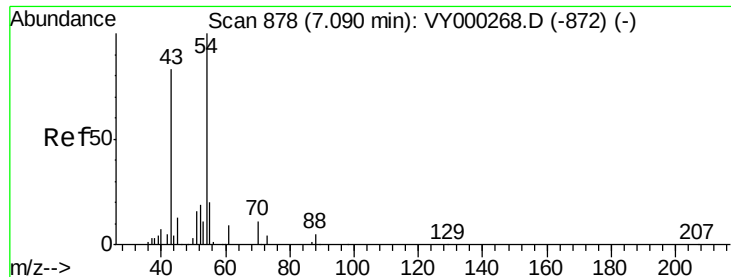
Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion:	75	Resp:	91511
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.4	55.4
77	30.5	25.0	37.6





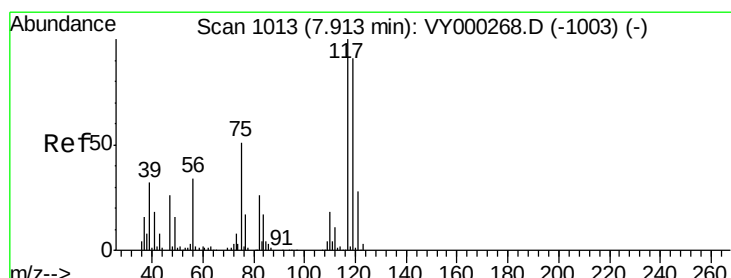
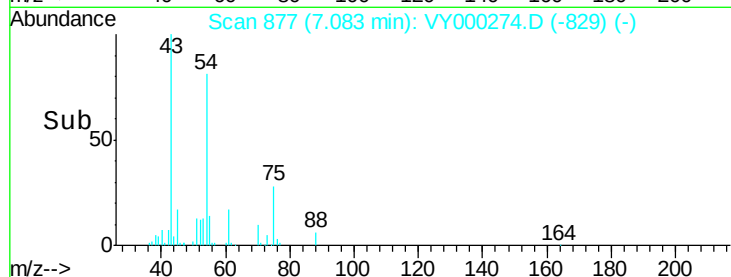
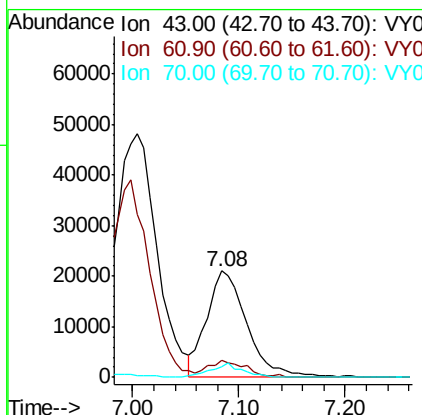
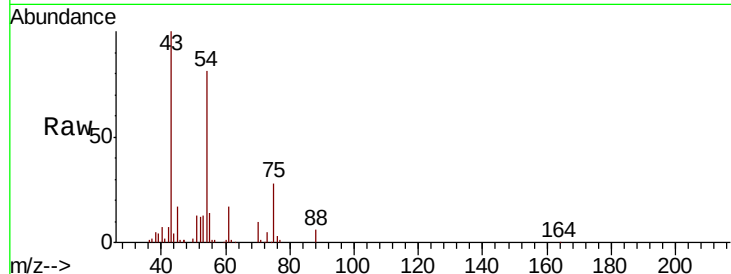
#37
Ethyl Acetate
Concen: 20.321 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	12.1	18.1
70	10.7	8.7	13.1

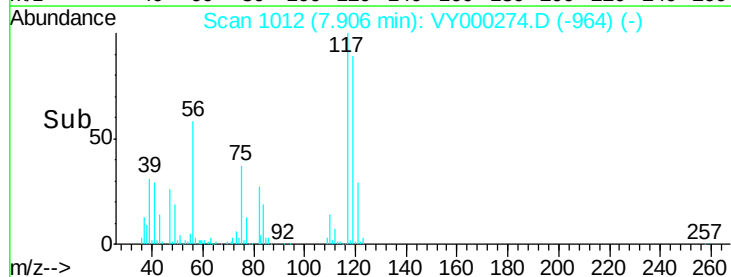
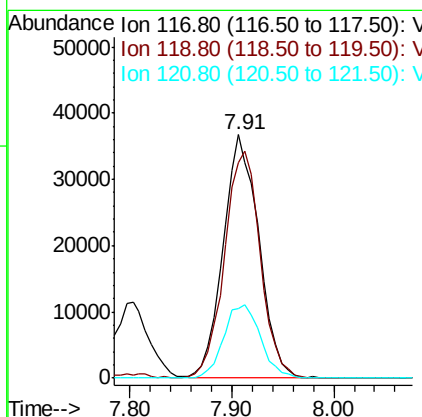
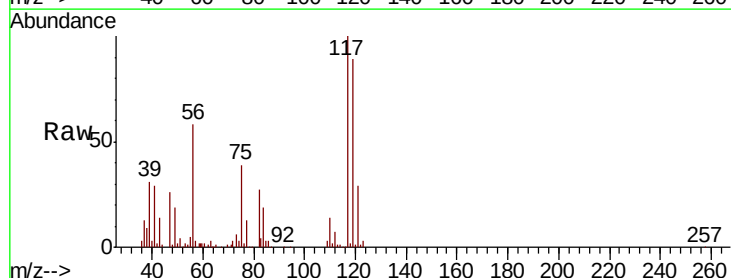
Manual Integrations
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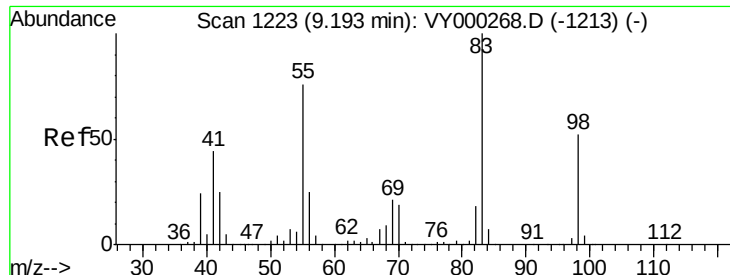
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.285 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.5	72.8	109.2
121	28.8	22.2	33.2





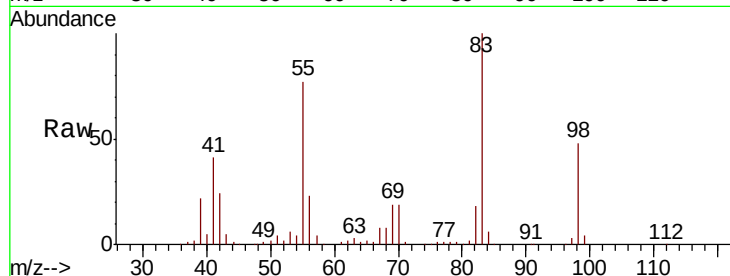
#39
Methylvlcyclohexane
Concen: 20.039 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

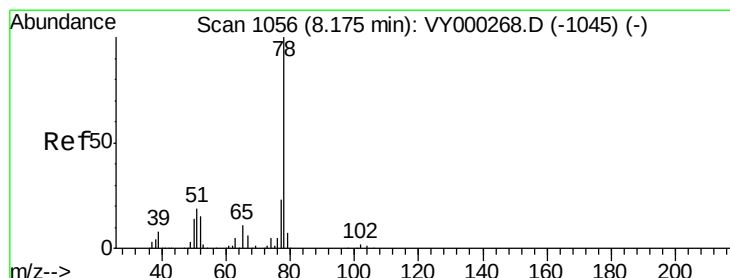
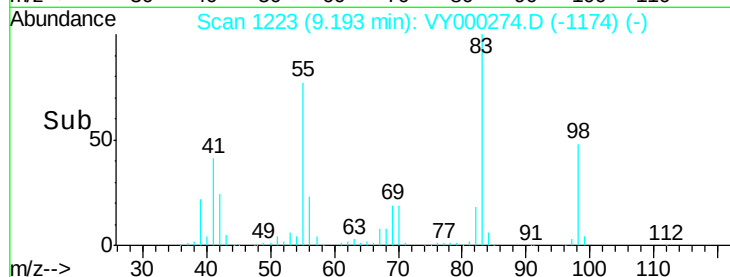
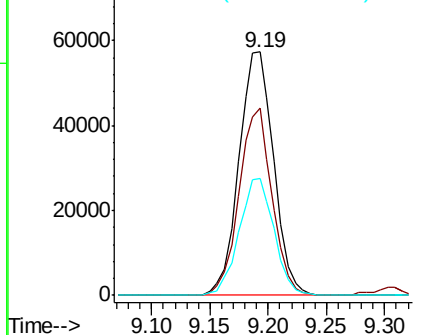
Tot Ion	Ratio	Resp	Lower	Upper
83	100	118677		
55	77.0	60.9	91.3	
98	47.9	41.8	62.6	

Manual Integrations
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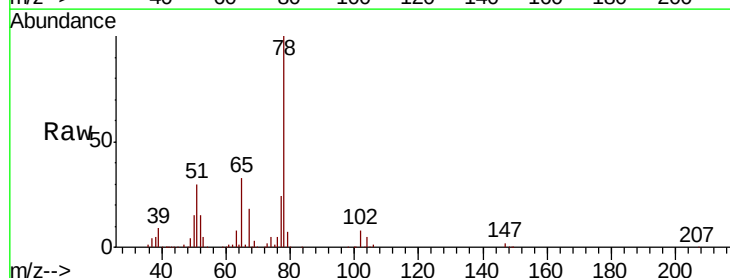


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

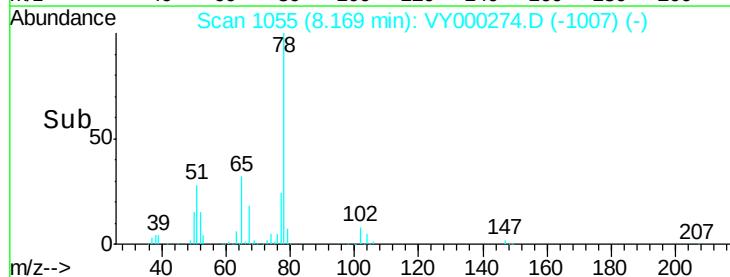
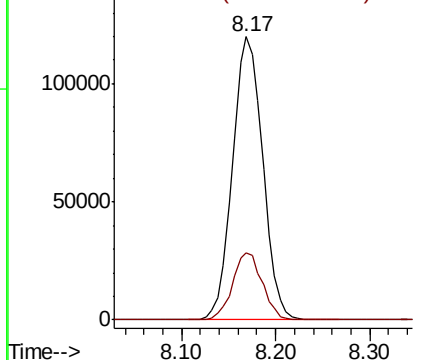


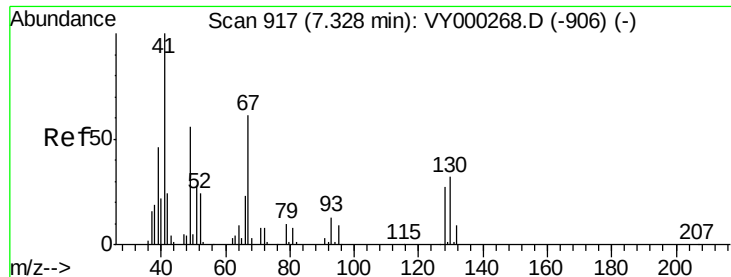
#40
Benzene
Concen: 20.477 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	267770		
77	23.7	18.8	28.2	



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 17.758 ug/l m

RT: 7.32 min Scan# 916

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion: 41 Resp: 22647

Ion Ratio Lower Upper

41 100

39 0.0 110.2 165.2#

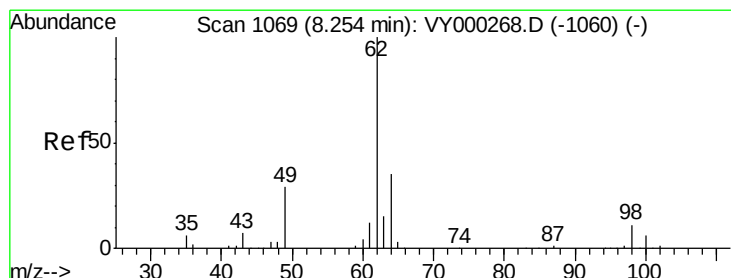
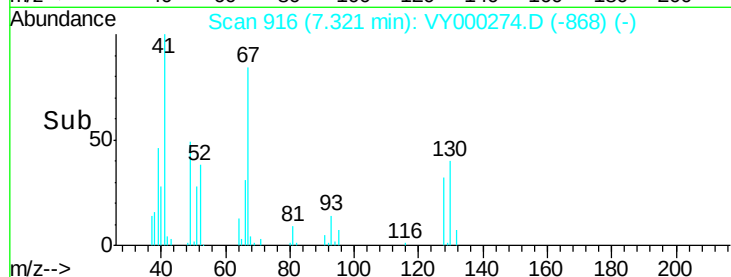
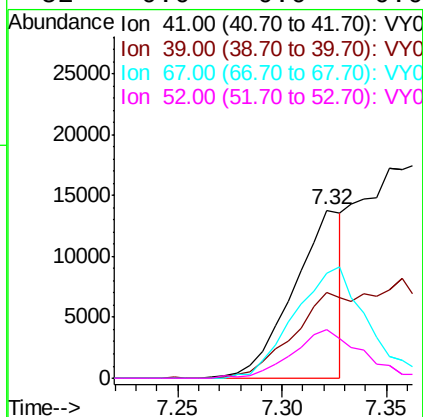
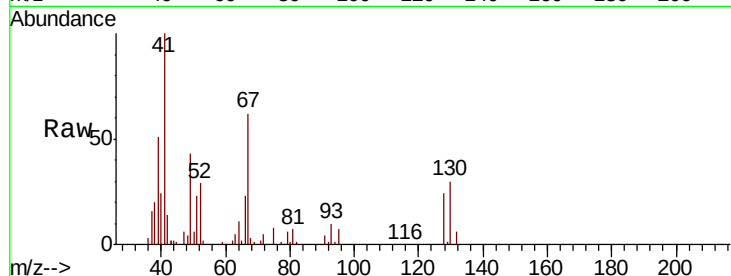
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.534 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.01 min

Lab File: VY000274.D

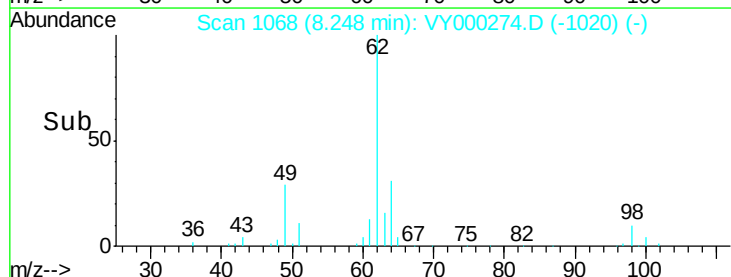
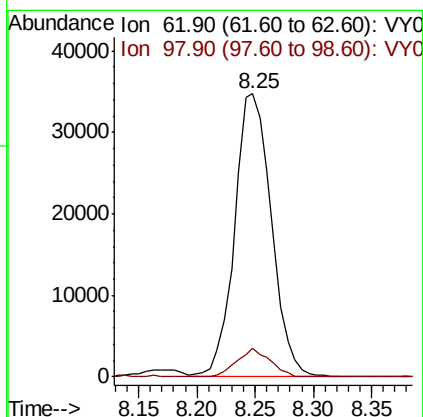
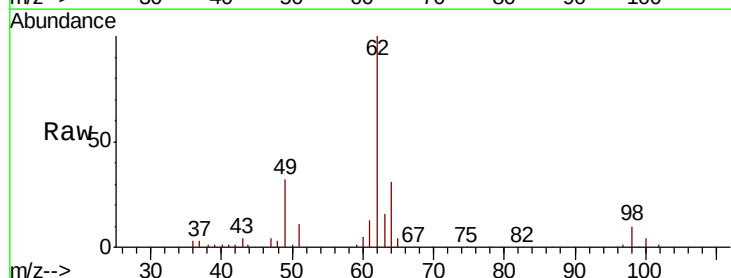
Acq: 11 Oct 2019 16:39

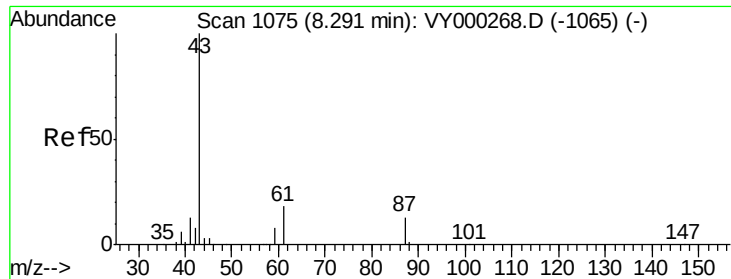
Tgt Ion: 62 Resp: 76701

Ion Ratio Lower Upper

62 100

98 9.2 0.0 20.6





#43

Isopropyl Acetate

Concen: 19.708 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

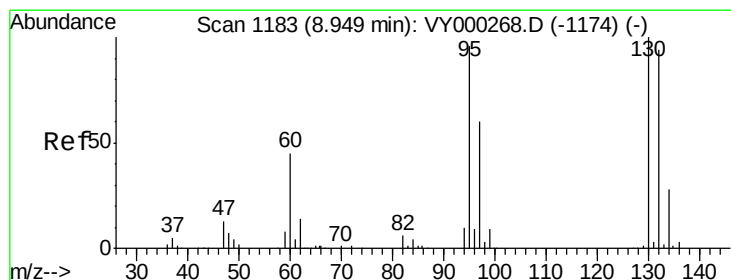
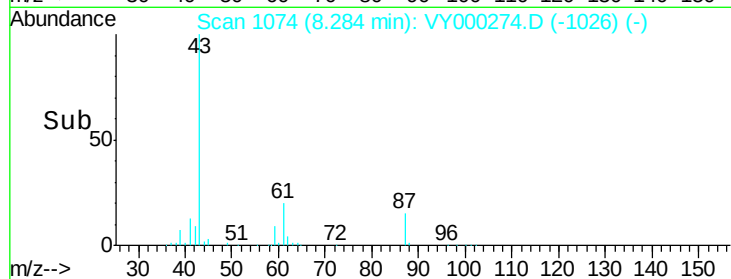
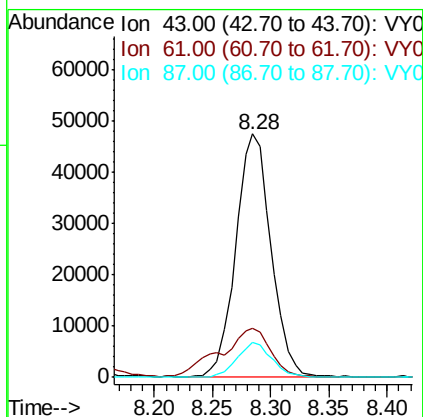
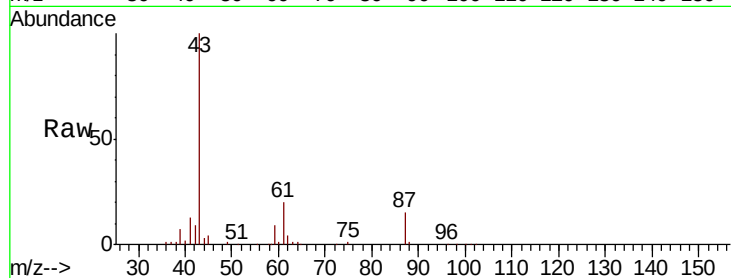
ClientSampleId :

VY1011SBSD01

Tot Ion:	43	Resp:	100399
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.3	33.5
87	14.2	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.585 ug/l

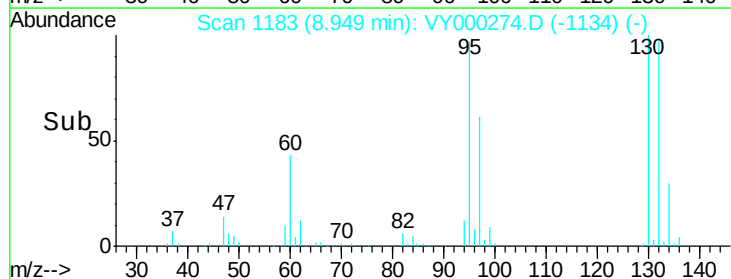
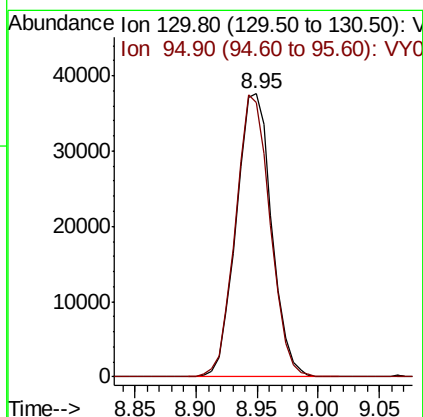
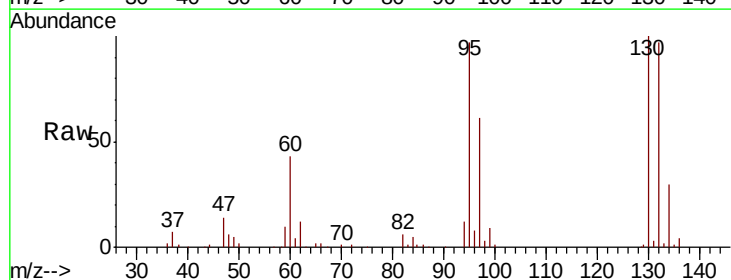
RT: 8.95 min Scan# 1183

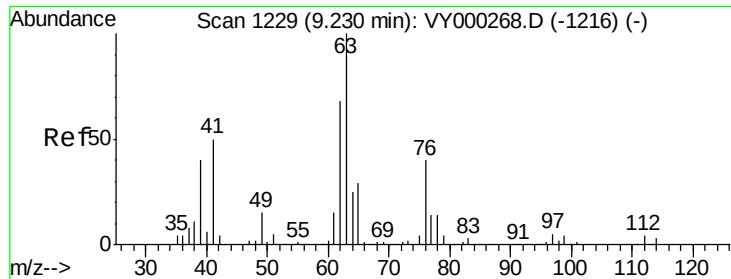
Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion:	130	Resp:	75527
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	191.4





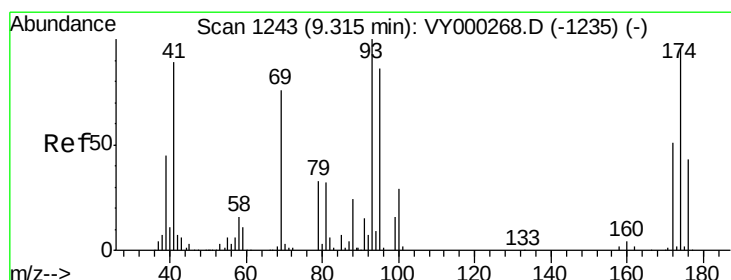
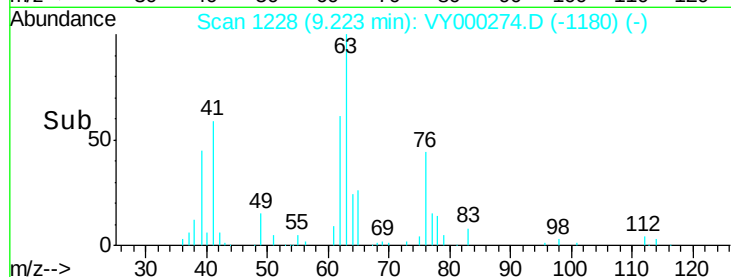
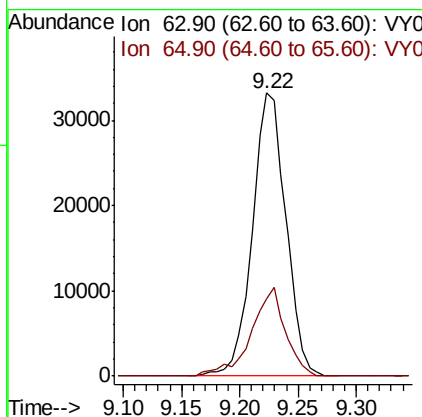
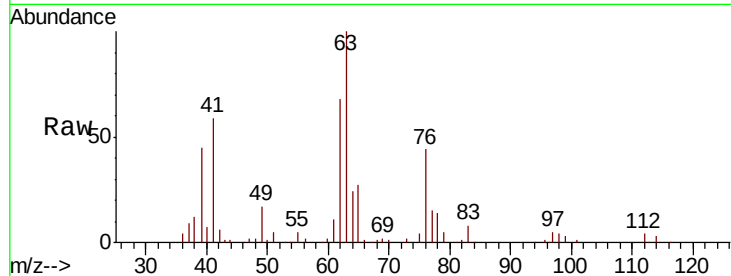
#45
 1,2-Dichloropropane
 Concen: 20.652 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.4	23.2	34.8

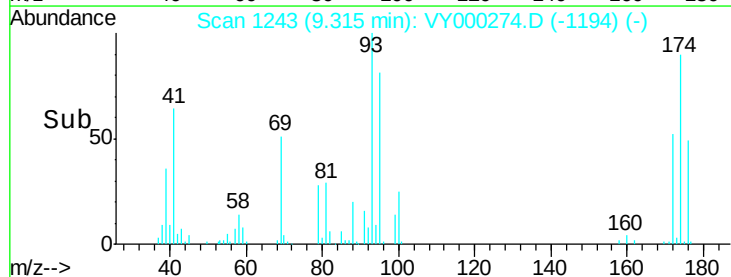
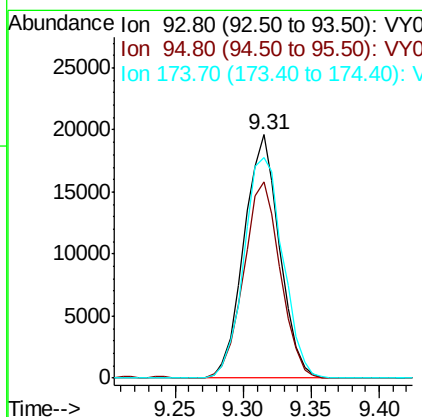
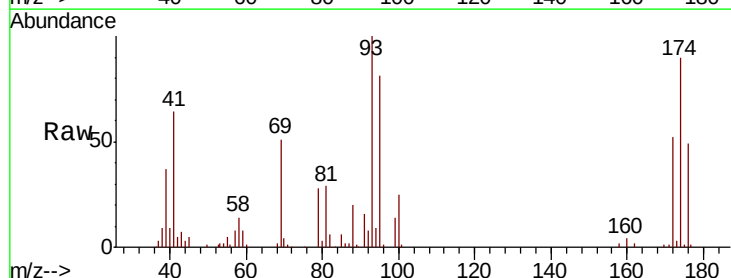
Manual Integrations
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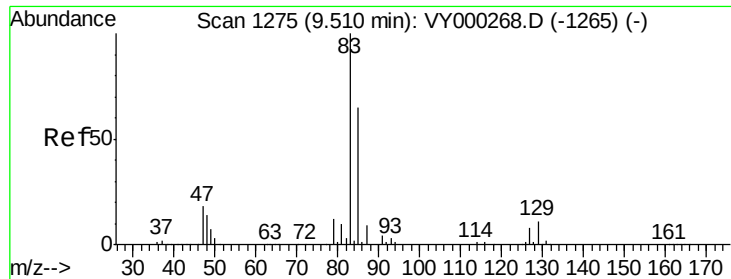
MMDadoda
 10/15/2019 12:34:05 PM



#46
 Dibromomethane
 Concen: 20.057 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	68.2	102.2
174	98.9	79.8	119.6





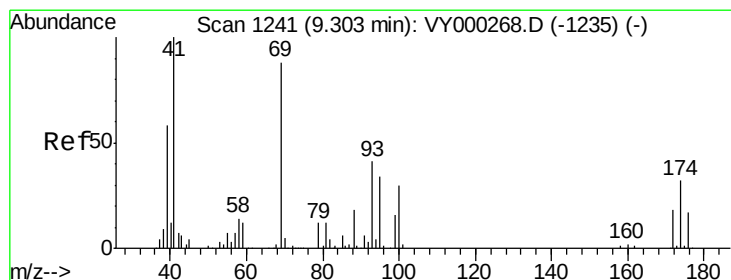
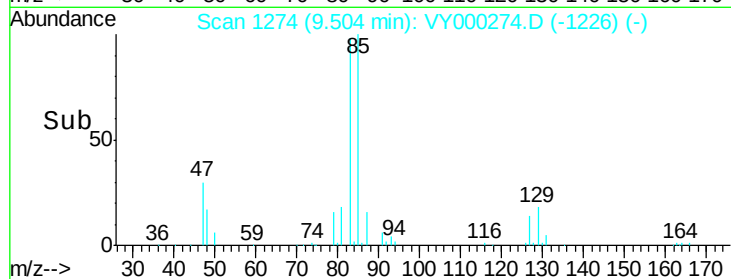
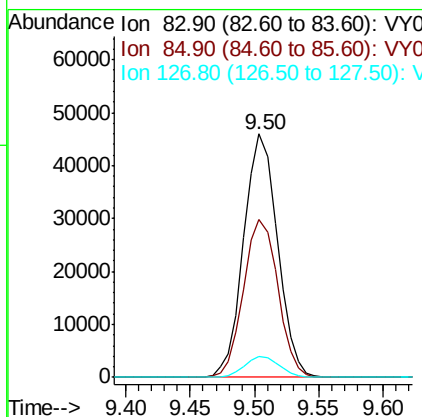
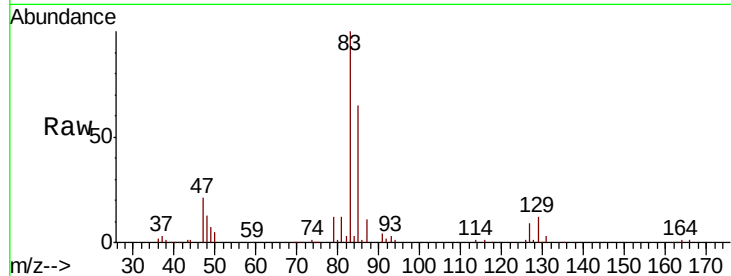
#47
 Bromodichloromethane
 Concen: 19.771 ug/l
 RT: 9.50 min Scan# 1274
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	83	Resp	83584
Ion Ratio	100	Lower	Upper
83	100		
85	64.9	52.2	78.2
127	8.8	6.3	9.5

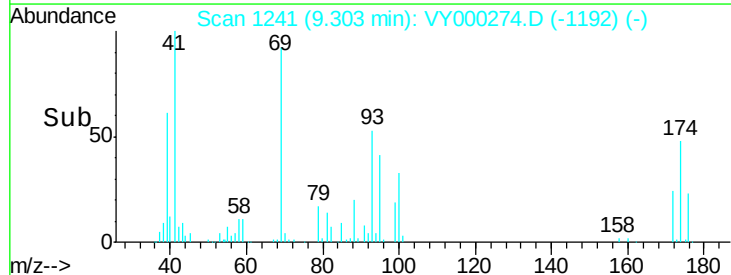
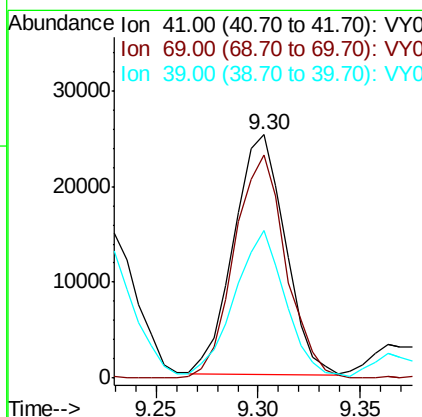
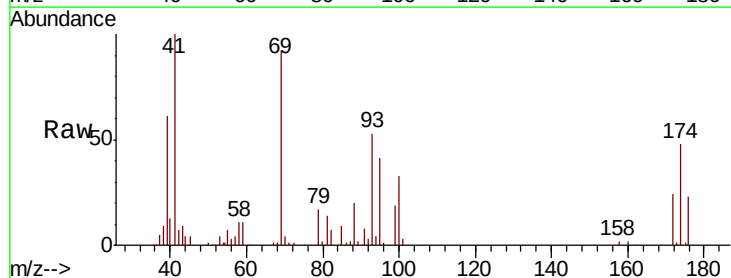
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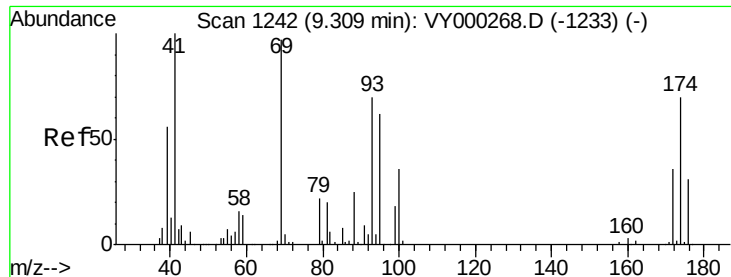
MMDadoda
 10/15/2019 12:34:05 PM



#48
 Methyl methacrylate
 Concen: 19.681 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	41	Resp	43941
Ion Ratio	100	Lower	Upper
41	100		
69	93.3	70.0	105.0
39	61.4	47.7	71.5





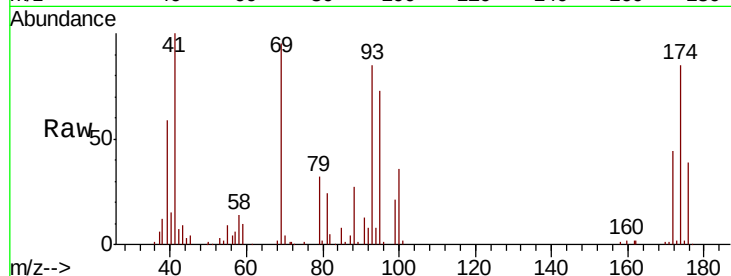
#49
1,4-Dioxane
Concen: 397.516 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.2	25.6	38.4#
58	62.3	54.6	81.8

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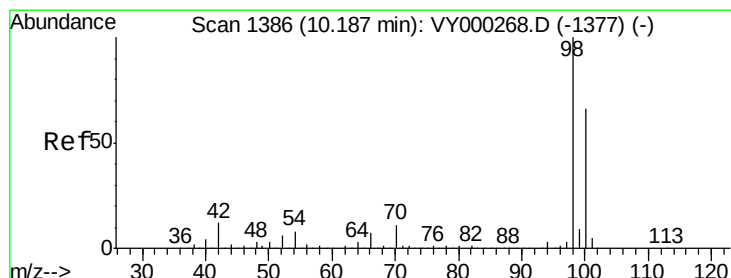
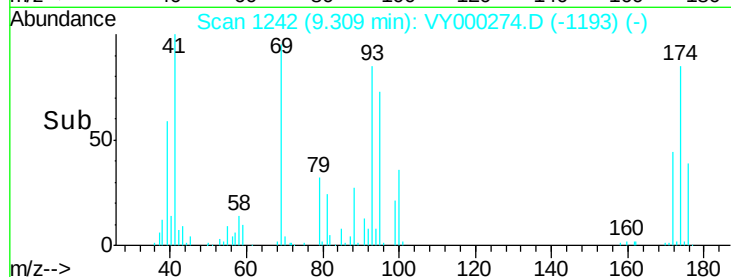
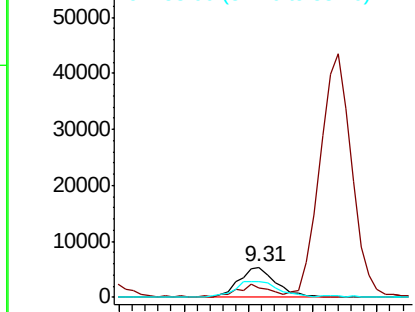


Abundance

Ion 88.00 (87.70 to 88.70): VY0

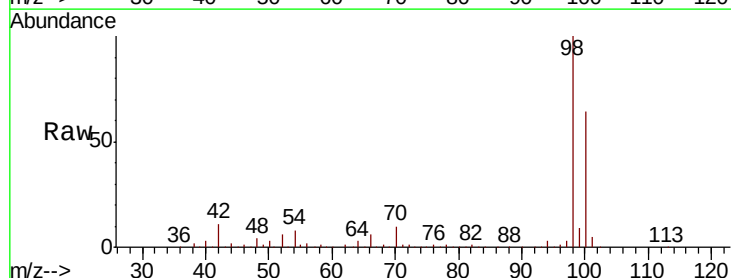
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 53.337 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

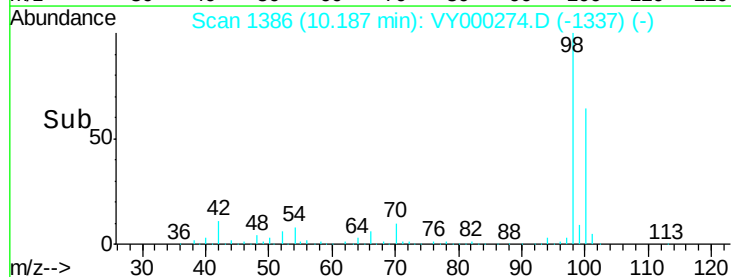
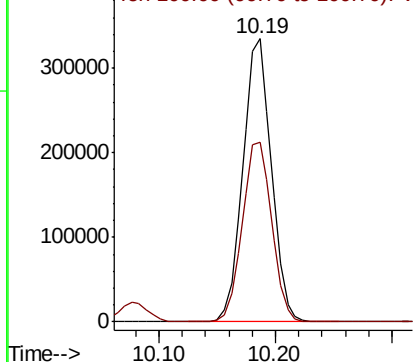
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.8	79.2

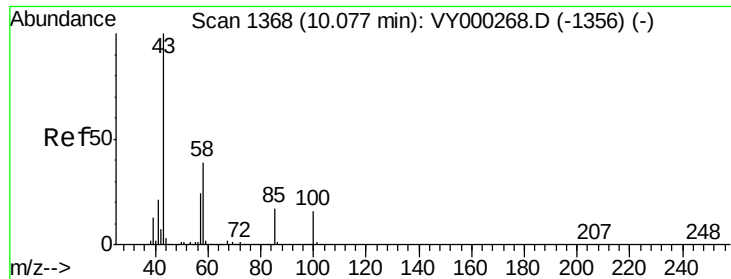


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





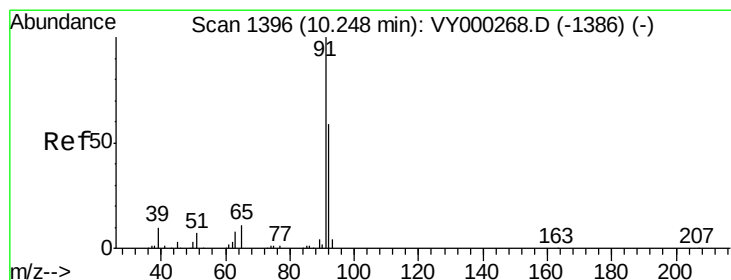
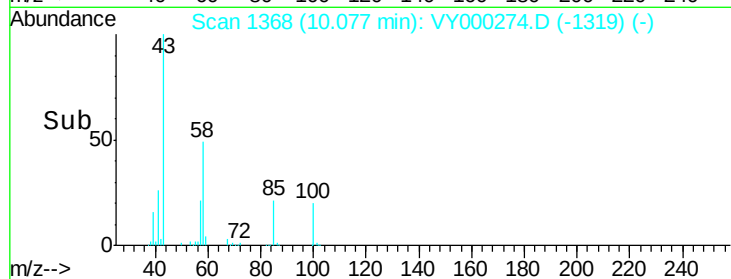
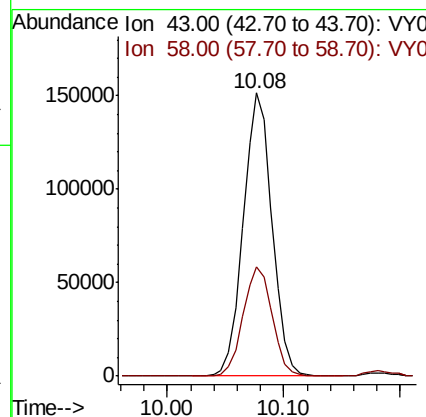
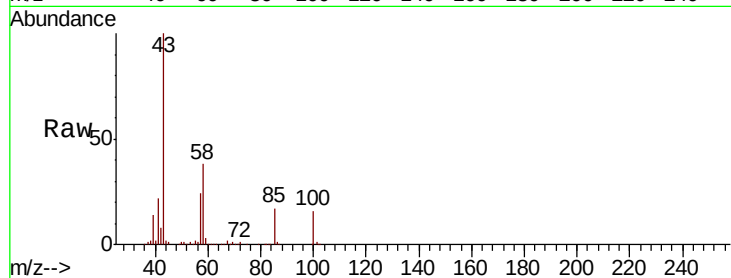
#51
4-Methyl-2-Pentanone
Concen: 99.027 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.0	46.6

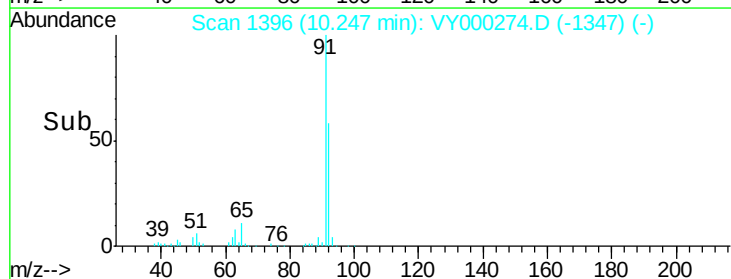
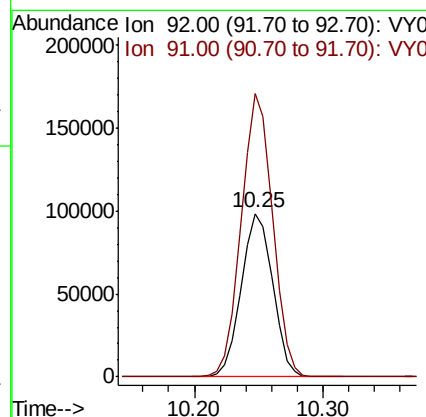
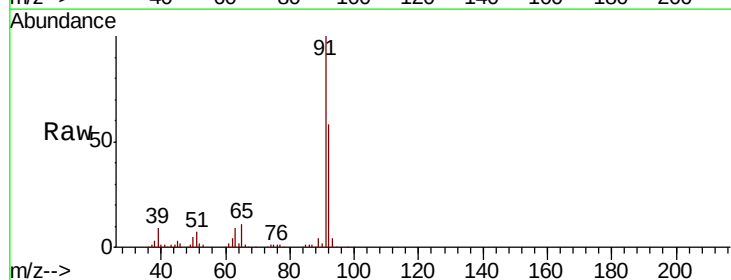
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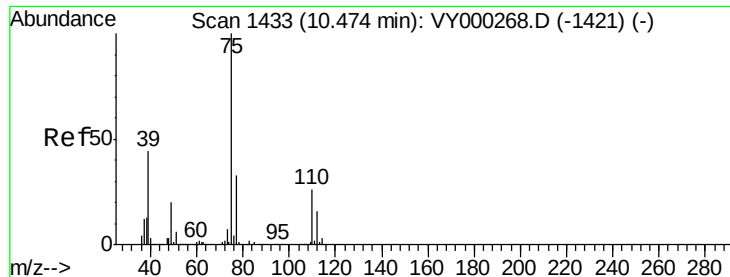
MMDadoda
10/15/2019 12:34:05 PM



#52
Toluene
Concen: 20.114 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 20.319 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion: 75 Resp: 92063

Ion Ratio Lower Upper

75 100

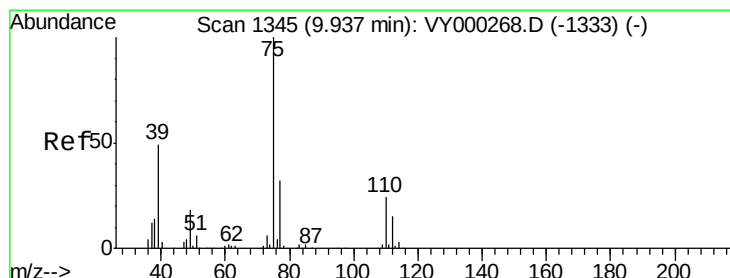
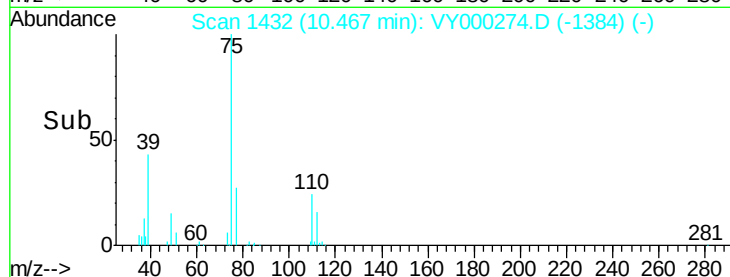
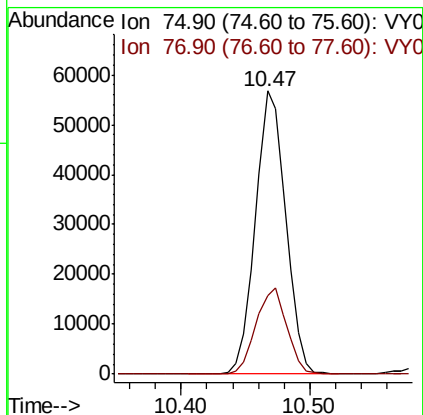
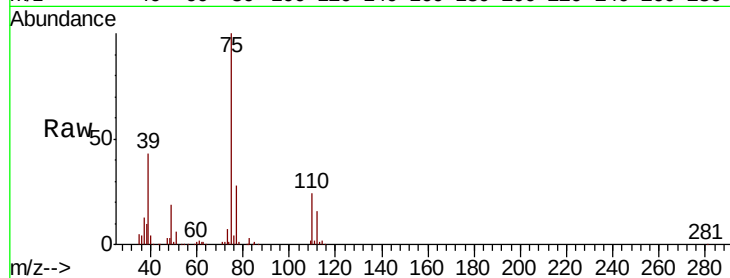
77 27.7 26.0 39.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.666 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

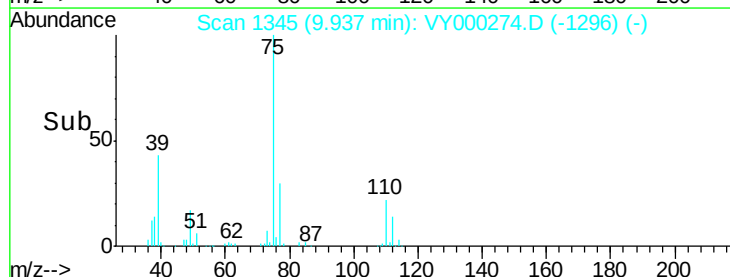
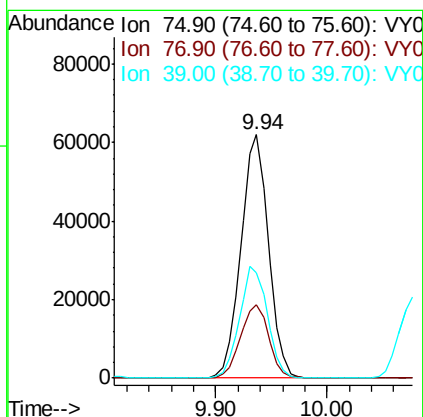
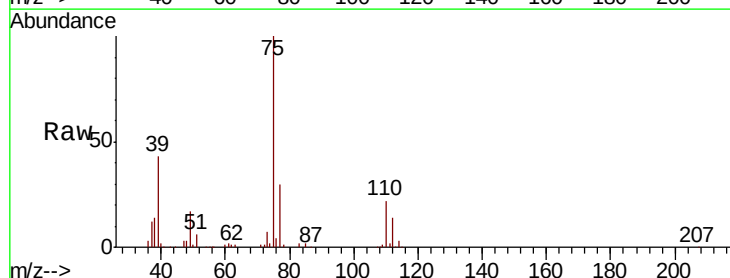
Tgt Ion: 75 Resp: 106333

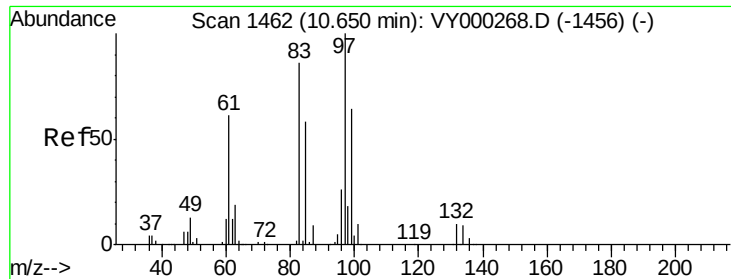
Ion Ratio Lower Upper

75 100

77 30.3 26.0 39.0

39 43.1 38.8 58.2





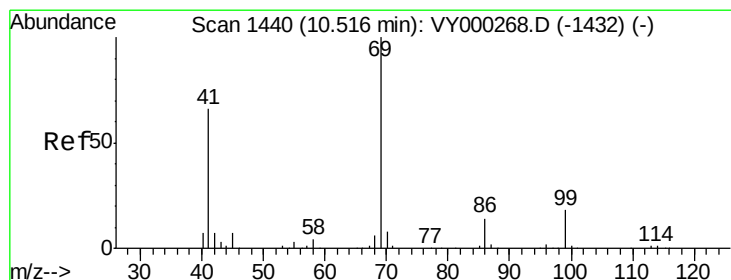
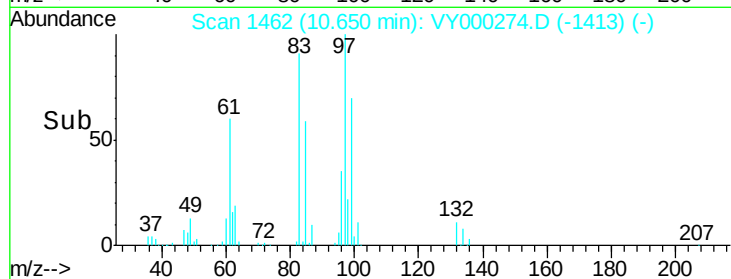
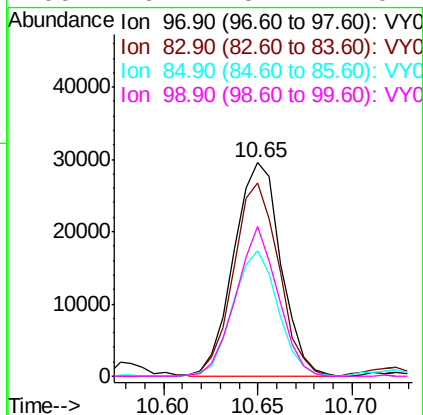
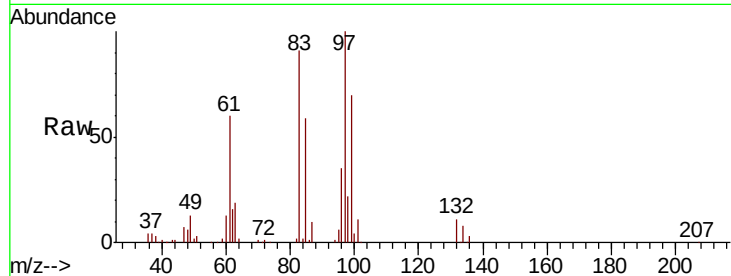
#55
 1,1,2-Trichloroethane
 Concen: 19.669 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.0	69.0	103.6
85	58.7	46.2	69.4
99	70.2	51.1	76.7

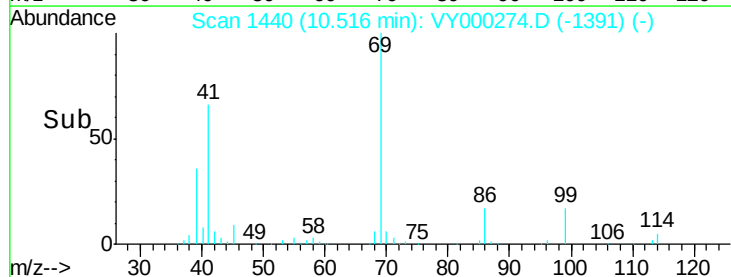
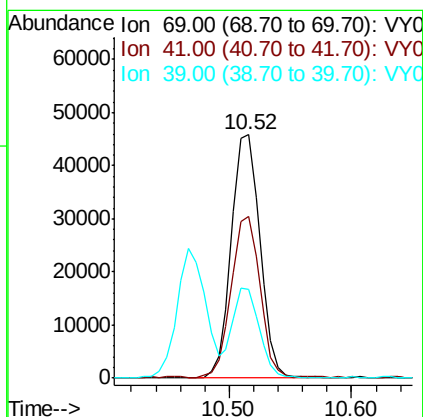
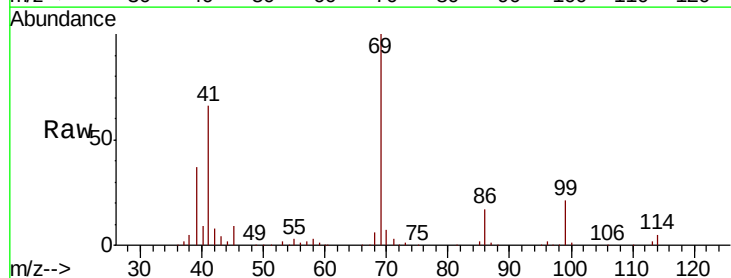
Manual Integrations
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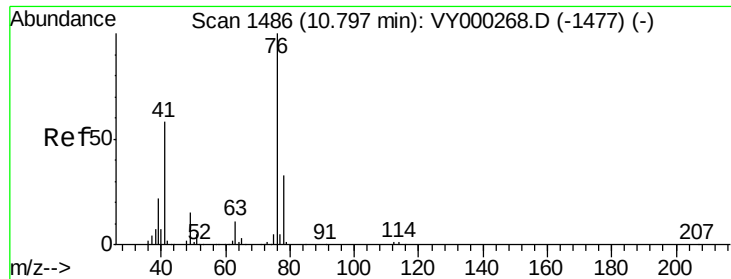
MMDadoda
 10/15/2019 12:34:05 PM



#56
 Ethyl methacrylate
 Concen: 20.030 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.9	52.5	78.7
39	35.4	26.7	40.1





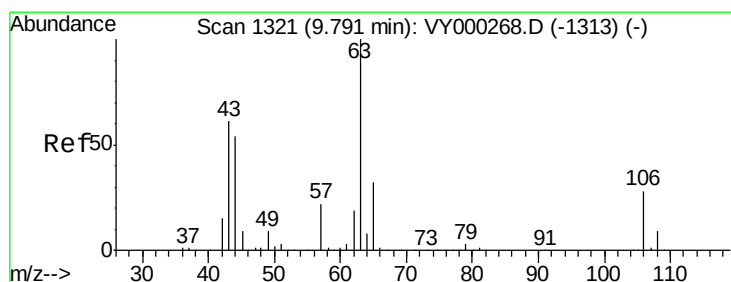
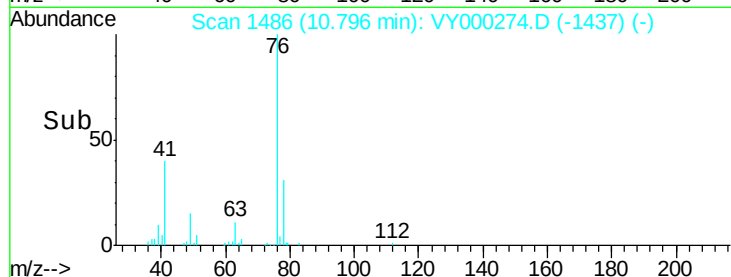
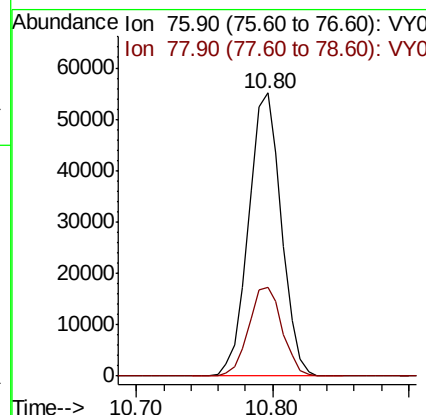
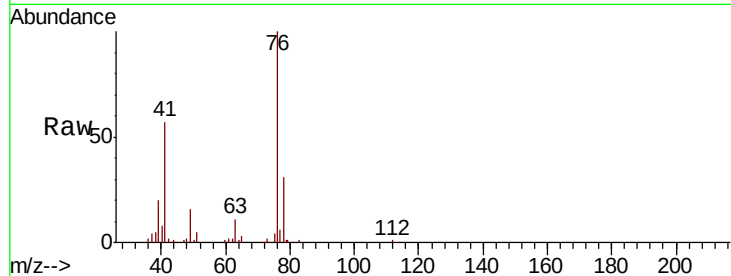
#57
 1,3-Dichloropropane
 Concen: 20.743 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.2	39.2

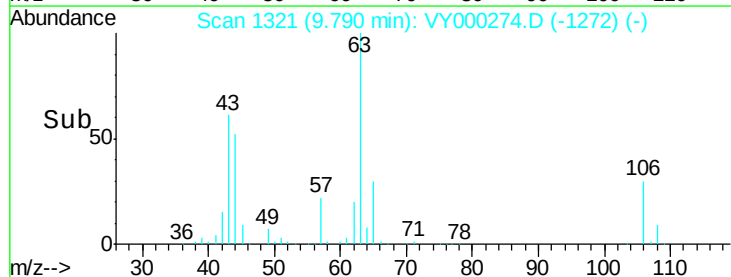
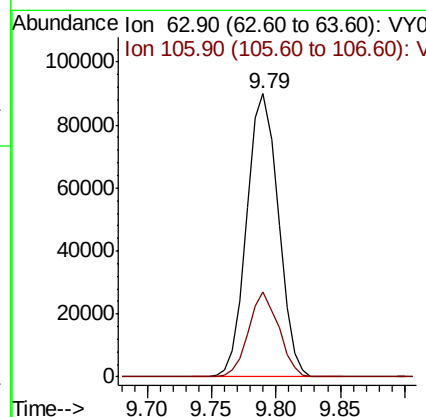
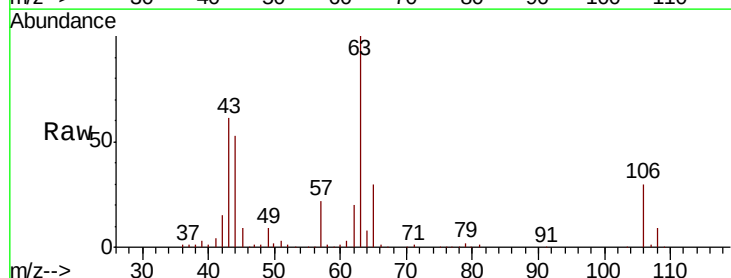
Manual Integrations
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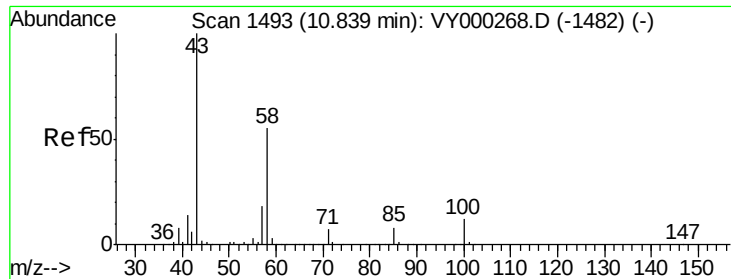
MMDadoda
 10/15/2019 12:34:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.907 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.4





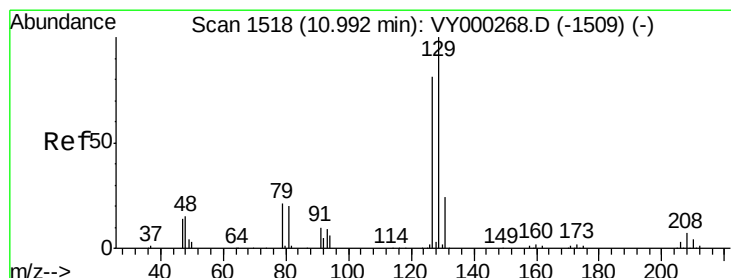
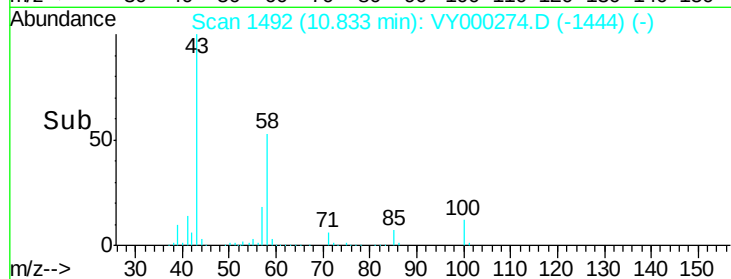
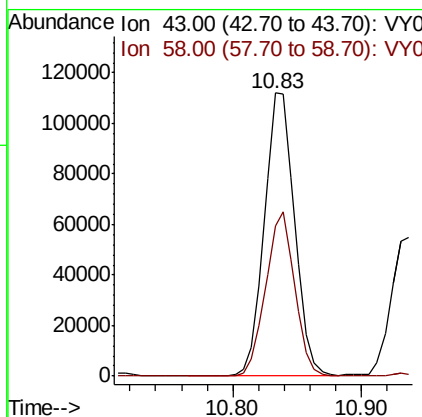
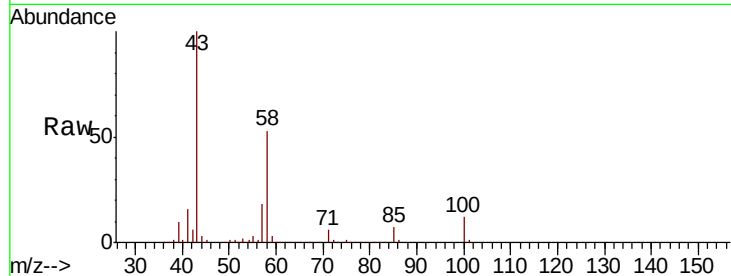
#59
2-Hexanone
Concen: 99.042 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion: 43 Resp: 182665
Ion Ratio Lower Upper
43 100
58 55.8 27.7 83.1

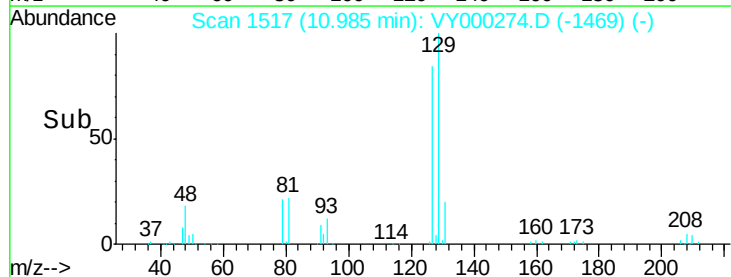
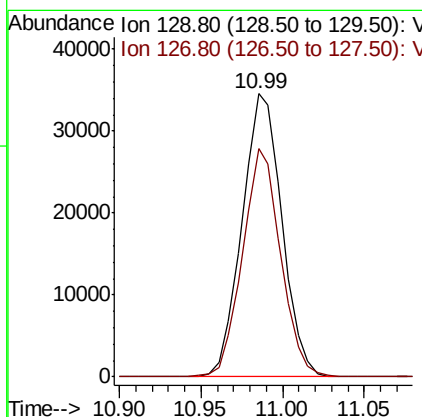
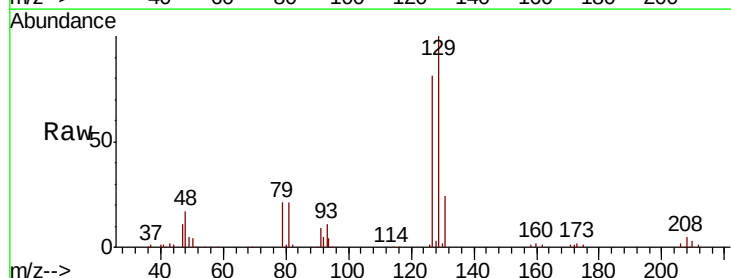
Manual Integrations
APPROVED

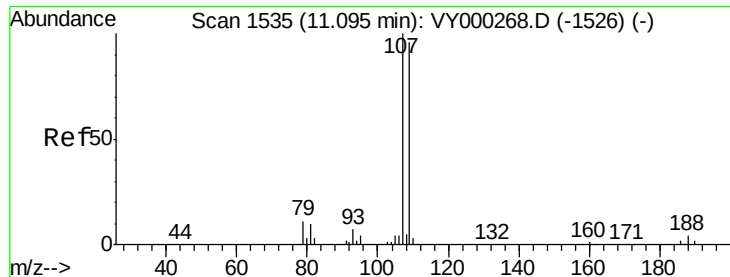
MMDadoda
10/15/2019 12:34:05 PM



#60
Dibromochloromethane
Concen: 20.355 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion: 129 Resp: 58845
Ion Ratio Lower Upper
129 100
127 77.0 39.9 119.7





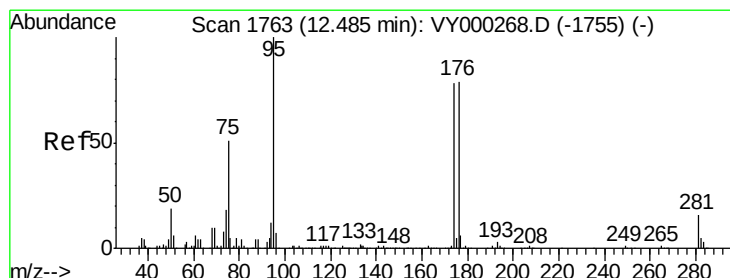
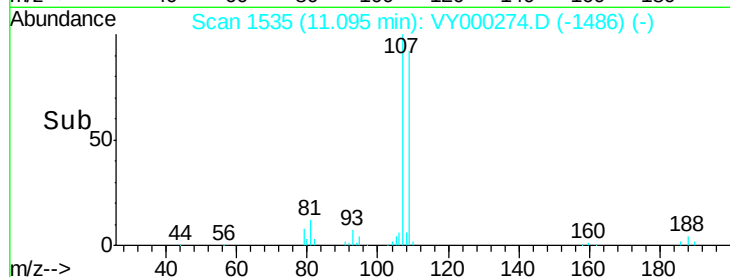
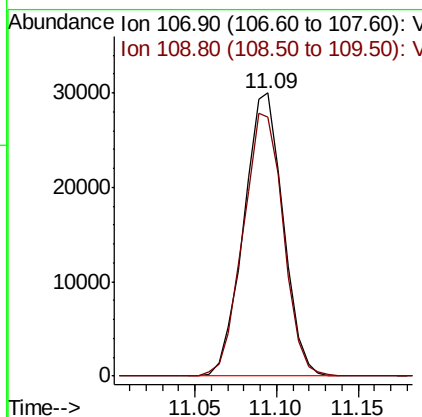
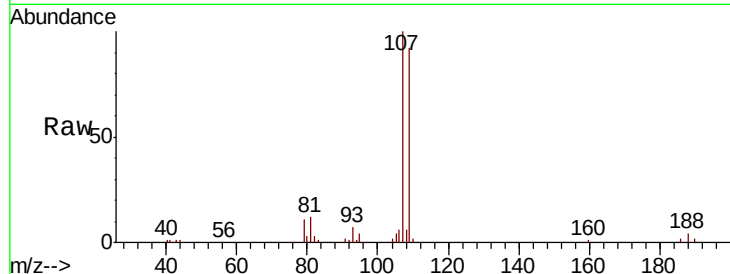
#61
 1,2-Dibromoethane
 Concen: 20.058 ug/l
 RT: 11.09 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.1	112.7

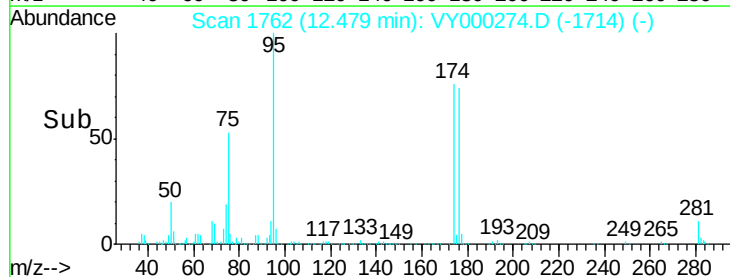
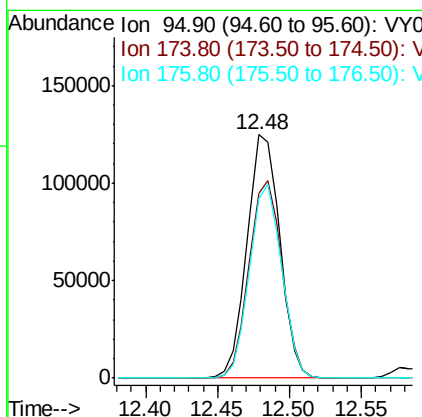
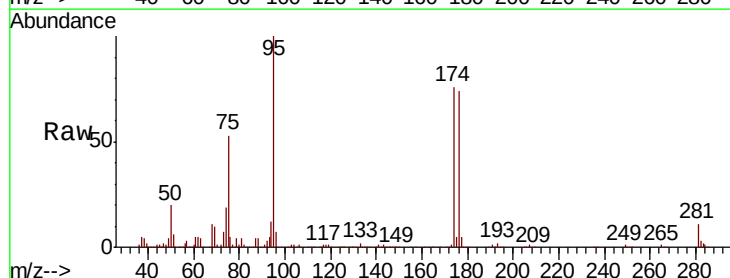
Manual Integrations
 APPROVED

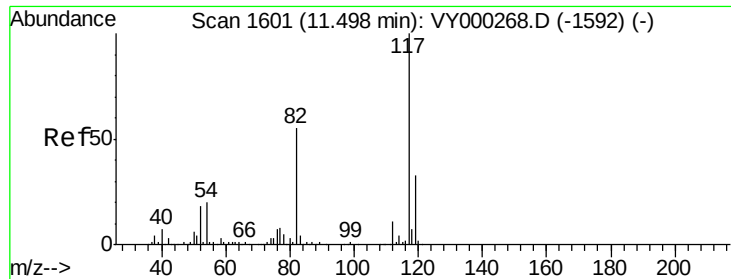
MMDadoda
 10/15/2019 12:34:05 PM



#62
 4-Bromofluorobenzene
 Concen: 48.286 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	0.0	159.6
176	78.1	0.0	153.8





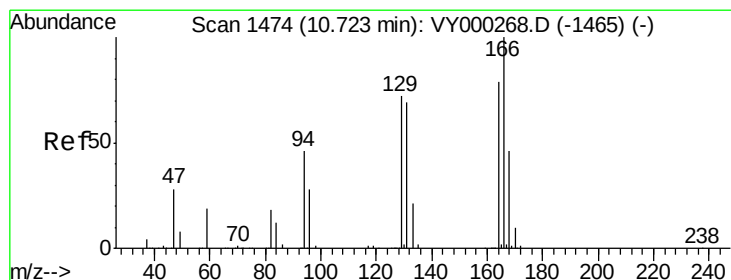
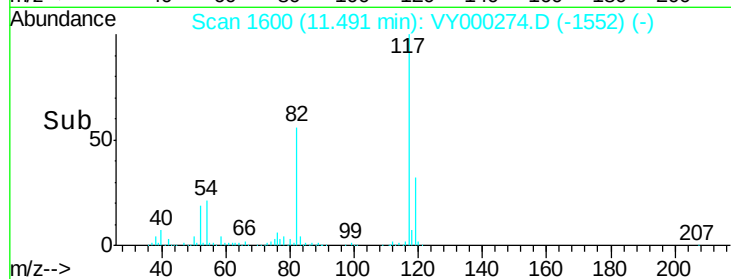
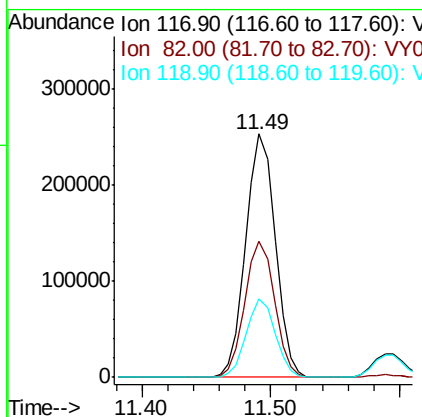
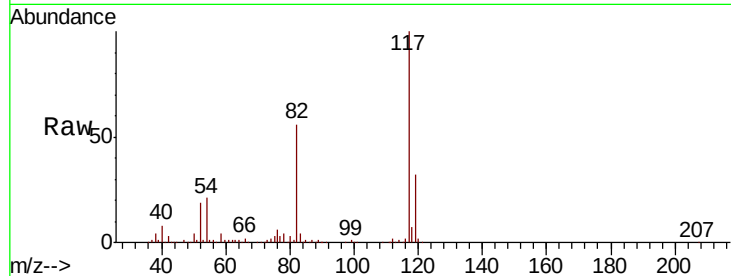
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	43.7	65.5
119	32.2	26.6	39.8

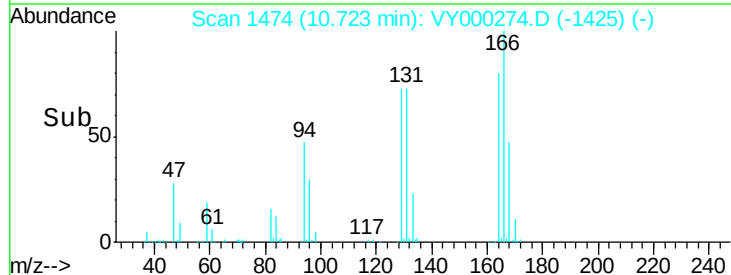
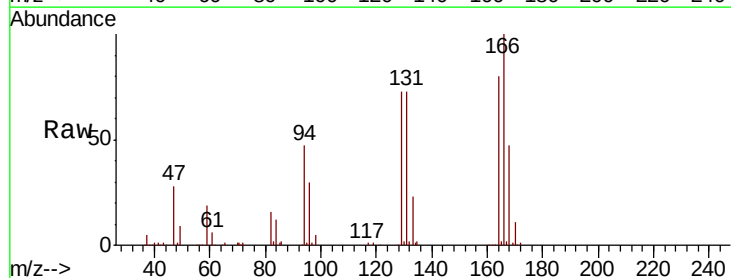
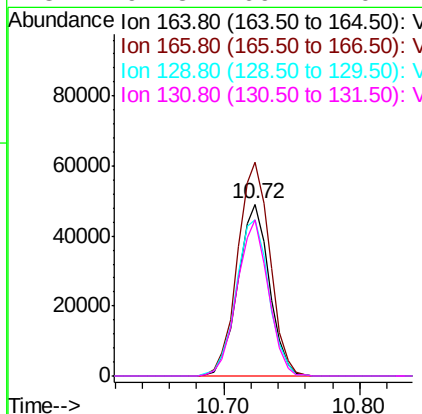
Manual Integrations
APPROVED

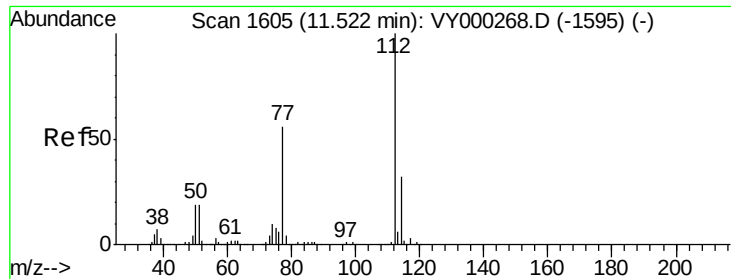
MMDadoda
10/15/2019 12:34:05 PM



#64
Tetrachloroethene
Concen: 20.734 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.6	151.0
129	90.8	72.8	109.2
131	91.3	69.4	104.2





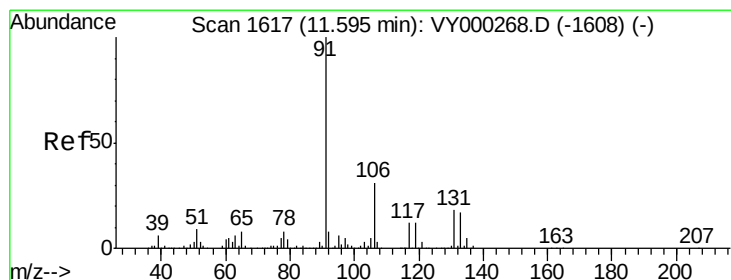
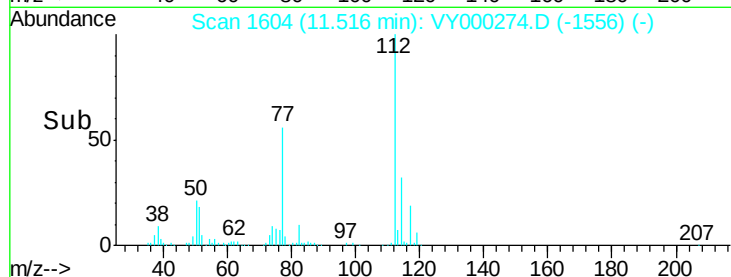
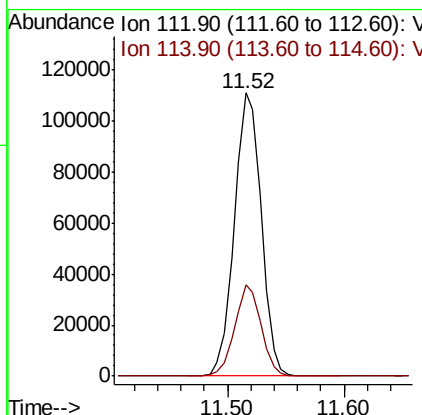
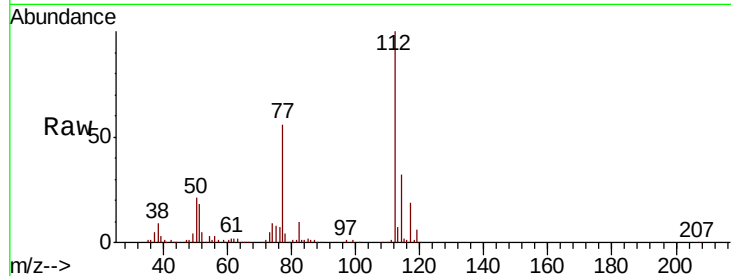
#65
Chlorobenzene
Concen: 21.053 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.3	25.7	38.5

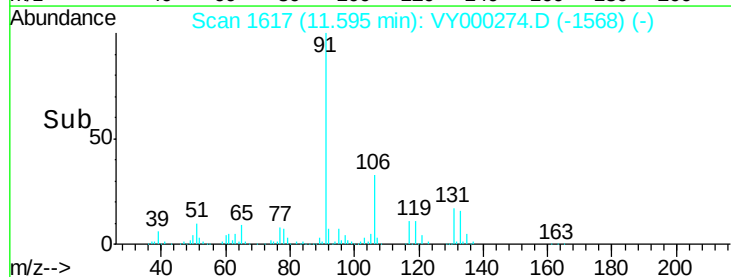
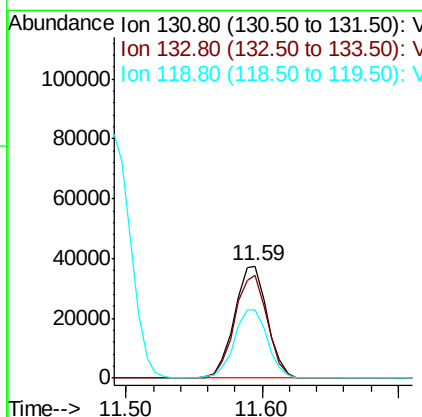
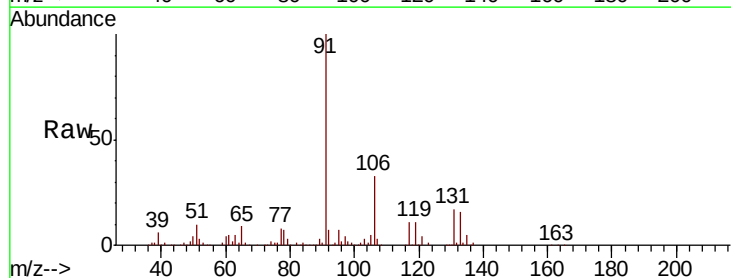
Manual Integrations
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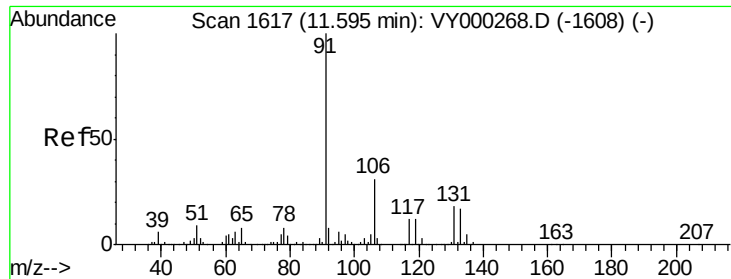
MMDadoda
10/15/2019 12:34:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.101 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.4	47.2	141.6
119	62.5	32.6	98.0





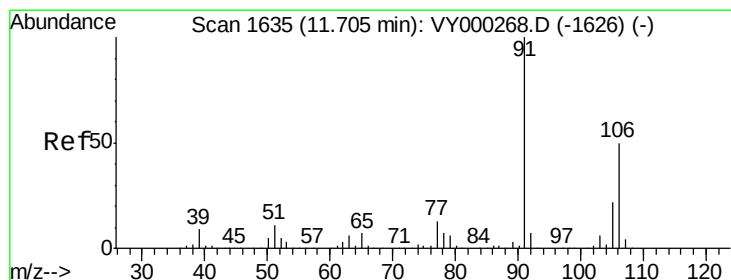
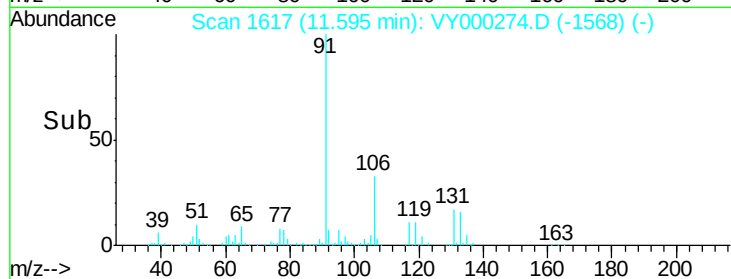
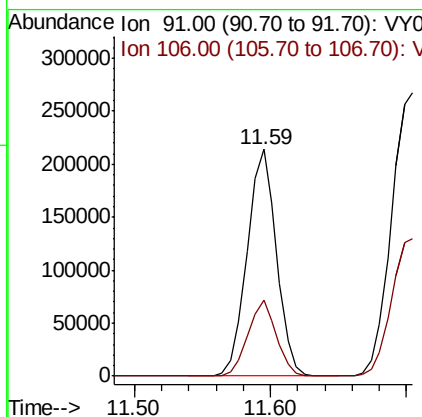
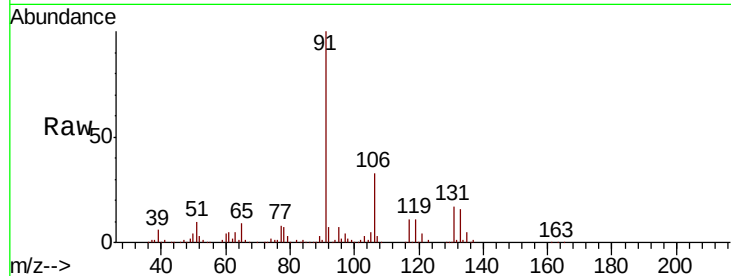
#67
Ethyl Benzene
Concen: 20.625 ug/l
RT: 11.59 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	33.3	25.0	37.6

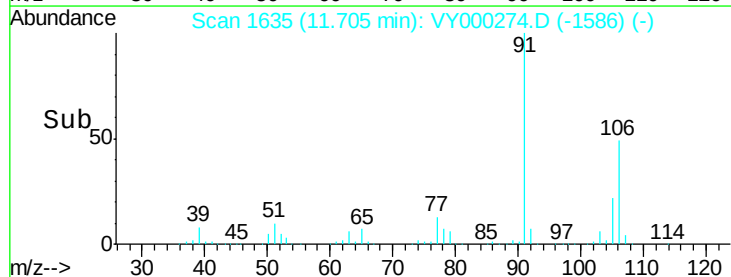
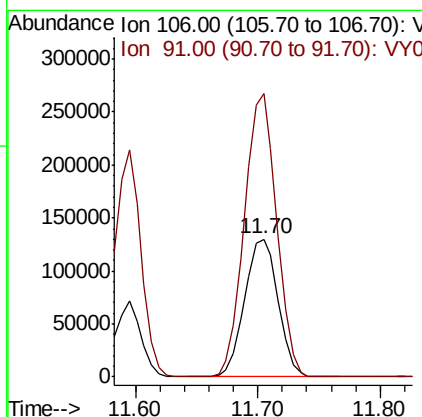
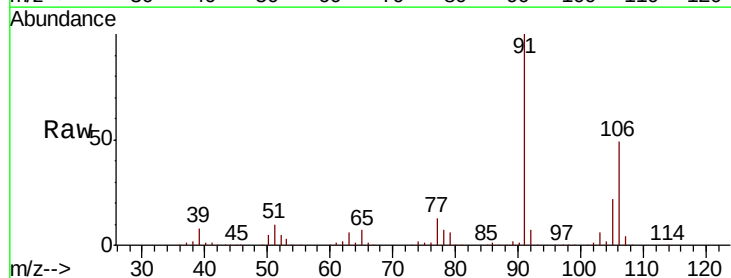
Manual Integrations
APPROVED

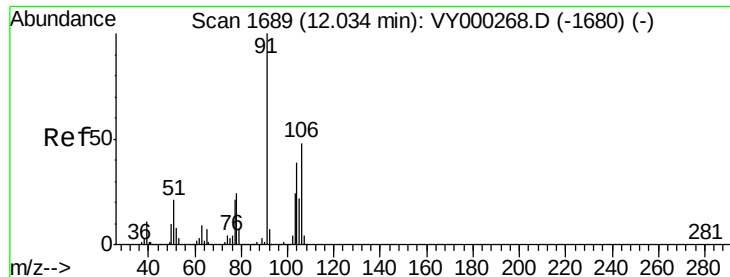
MMDadoda
10/15/2019 12:34:05 PM



#68
m/p-Xylenes
Concen: 41.302 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.0	157.5	236.3





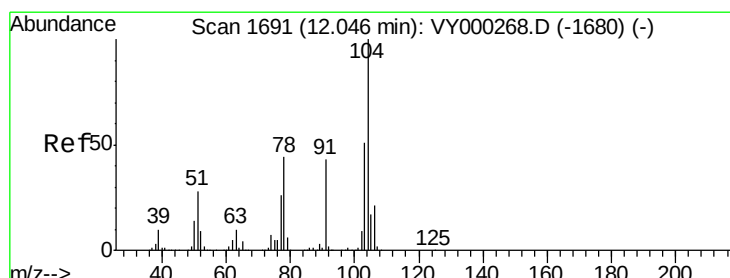
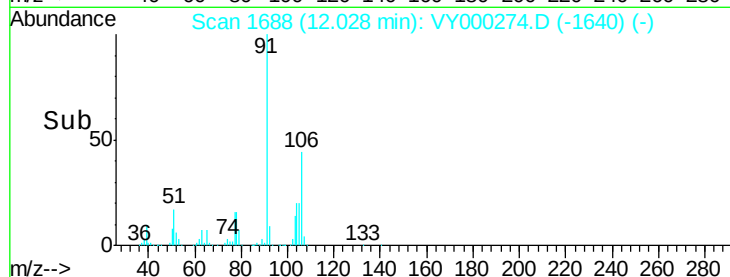
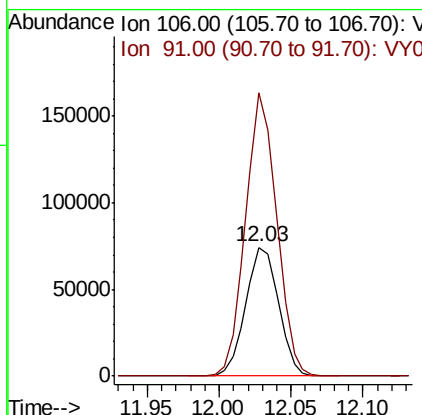
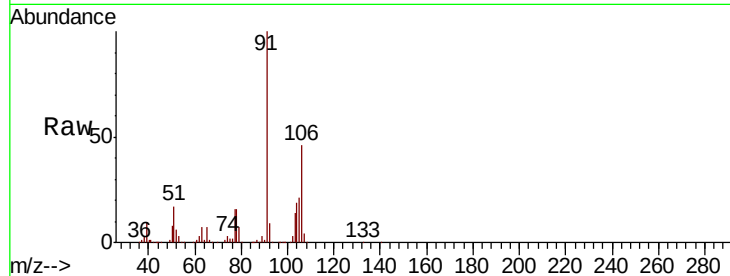
#69
o-Xylene
Concen: 20.501 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	209.1	104.7	313.9	

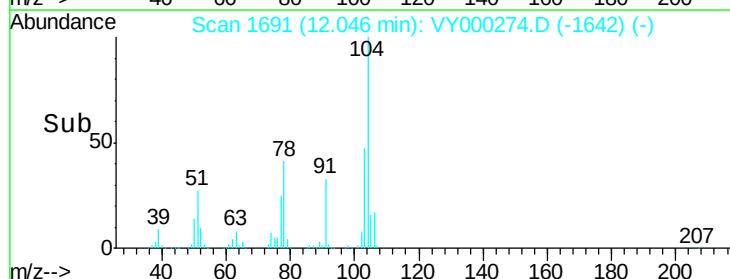
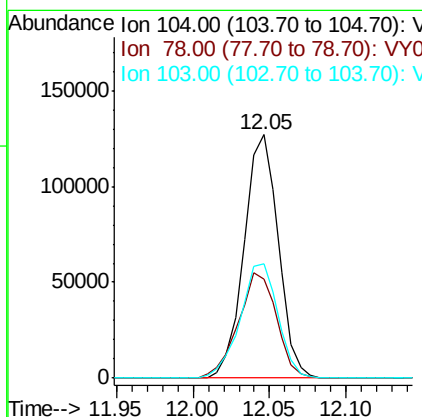
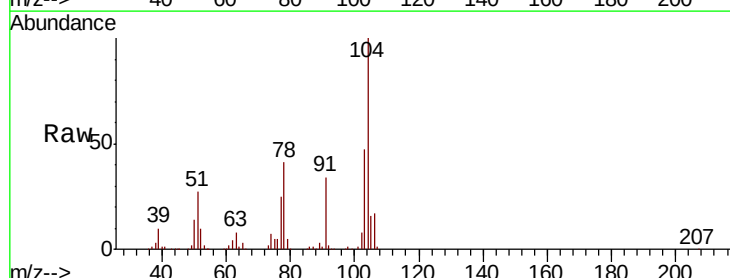
Manual Integrations
APPROVED

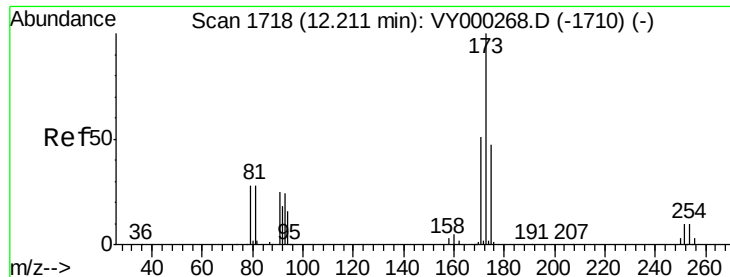
MMDadoda
10/15/2019 12:34:05 PM



#70
Styrene
Concen: 20.531 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.4	39.0	58.6	
103	51.9	43.1	64.7	





#71

Bromoform

Concen: 20.899 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion:173 Resp: 35717

Ion Ratio Lower Upper

173 100

175 46.5 24.6 73.6

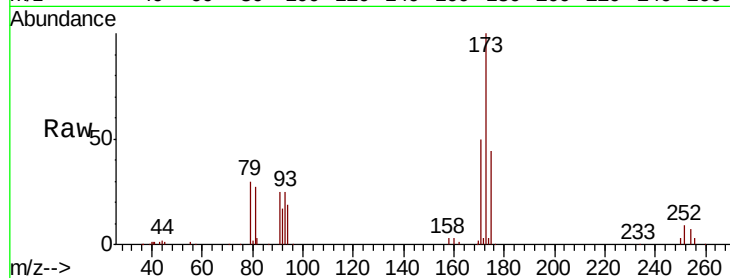
254 0.0 0.1 0.1#

Manual Integrations

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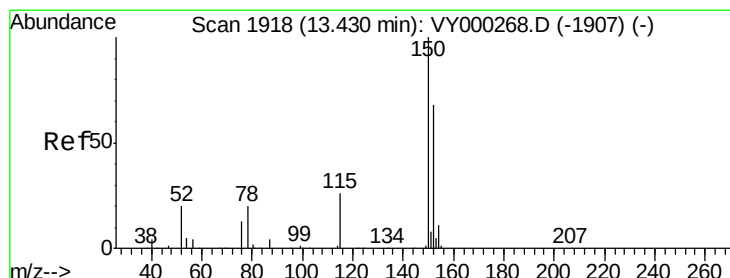
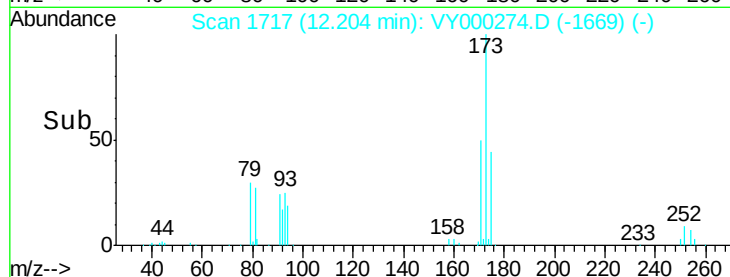
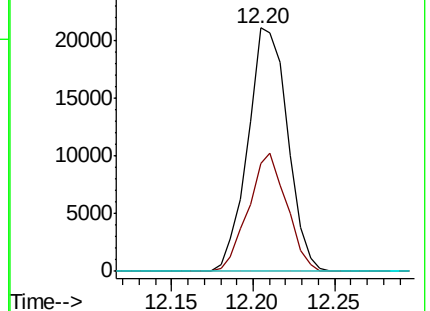
10/15/2019 12:34:05 PM



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: VY000274.D

Acq: 11 Oct 2019 16:39

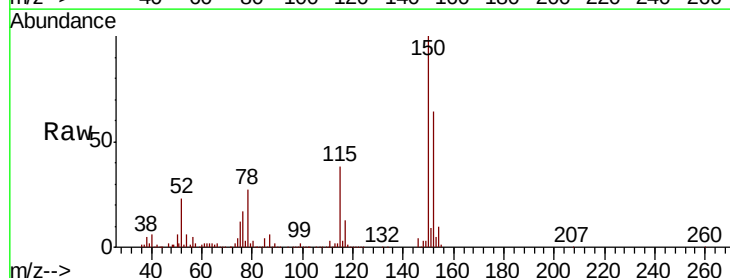
Tgt Ion:152 Resp: 195896

Ion Ratio Lower Upper

152 100

115 59.2 29.3 88.0

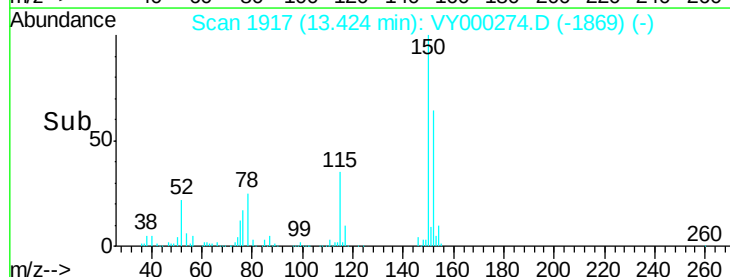
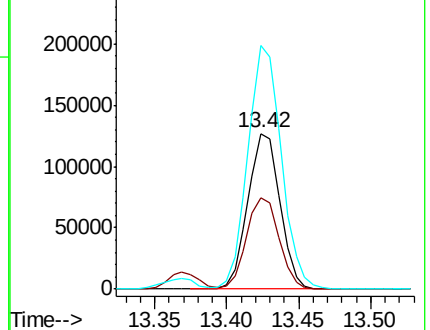
150 162.9 0.0 348.4

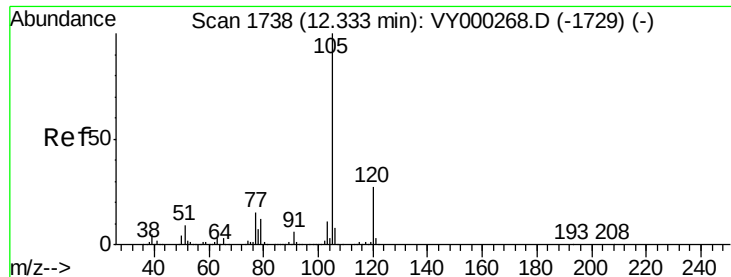


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.526 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion:105 Resp: 313533

Ion Ratio Lower Upper

105 100

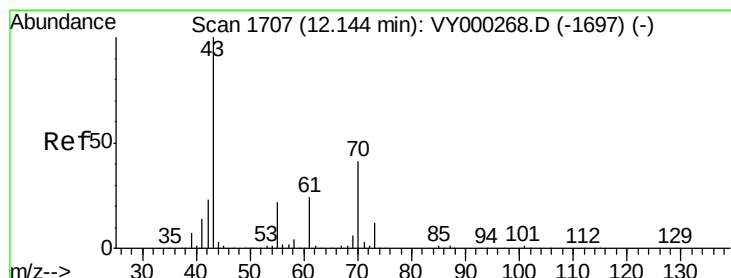
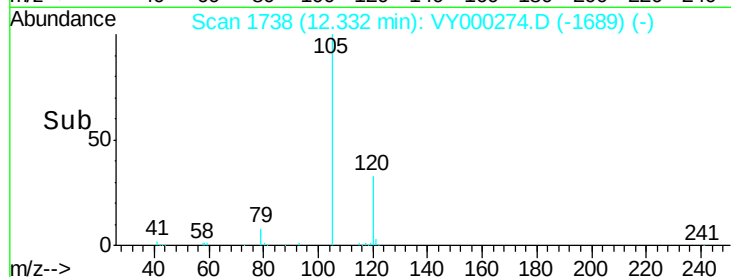
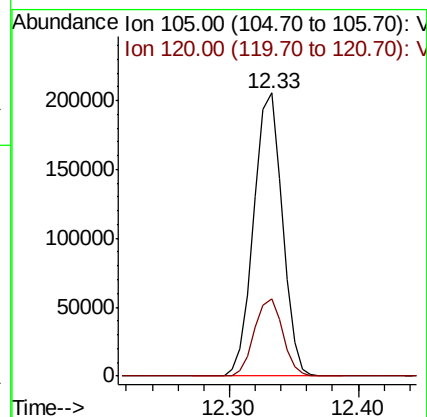
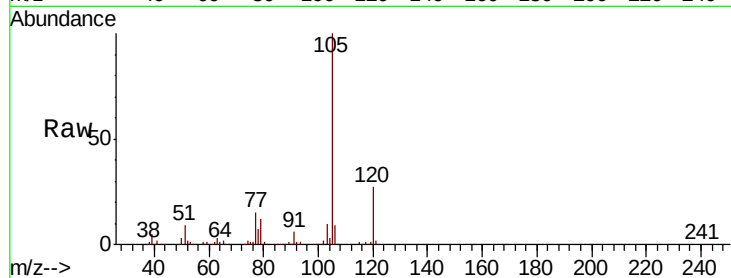
120 27.2 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.218 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion: 43 Resp: 79567

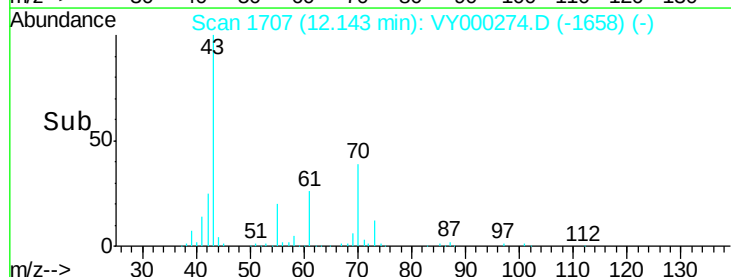
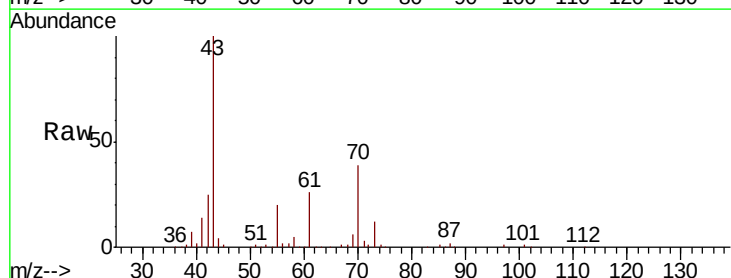
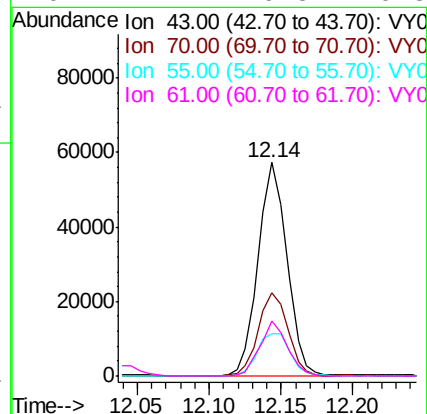
Ion Ratio Lower Upper

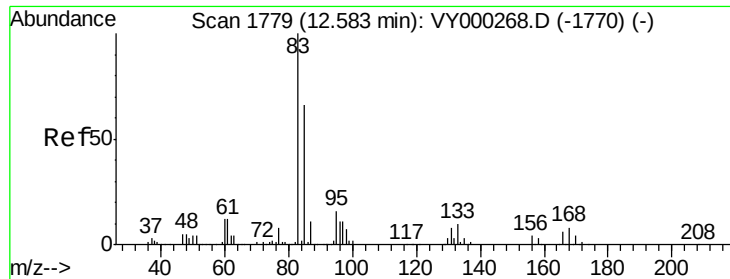
43 100

70 40.1 32.9 49.3

55 23.1 17.8 26.6

61 24.4 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.120 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

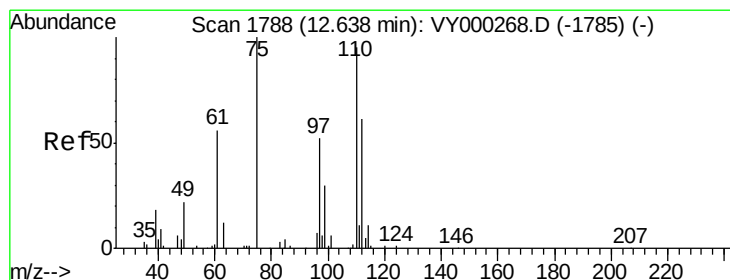
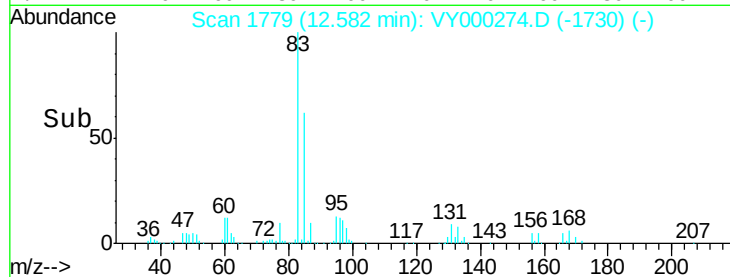
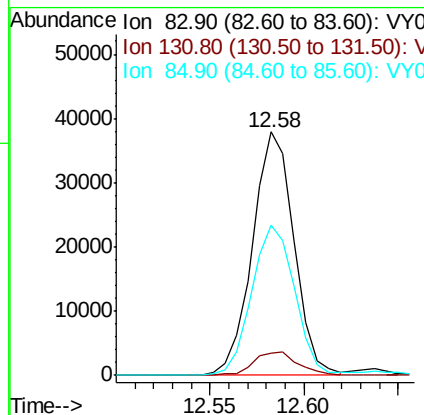
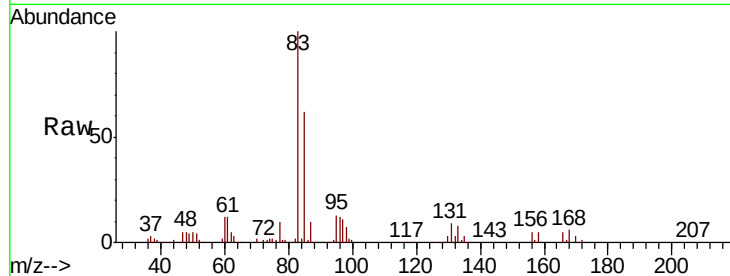
ClientSampleId :

VY1011SBSD01

Tot Ion:	83	Resp:	57702
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	16.1
85	64.1	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.578 ug/l m

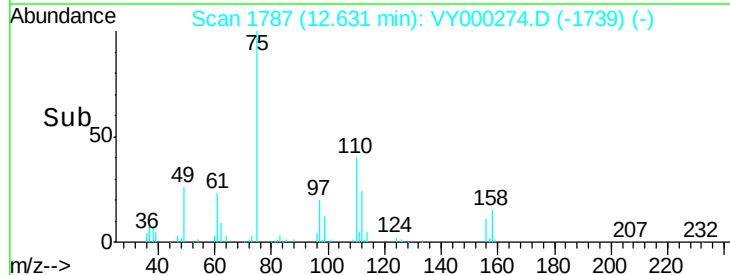
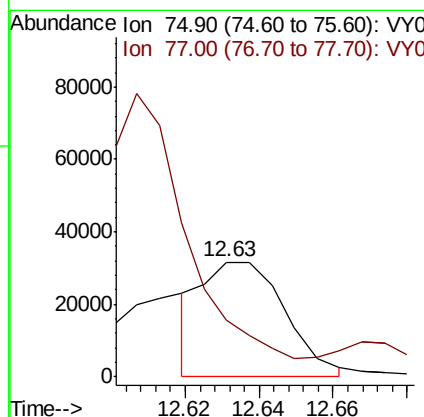
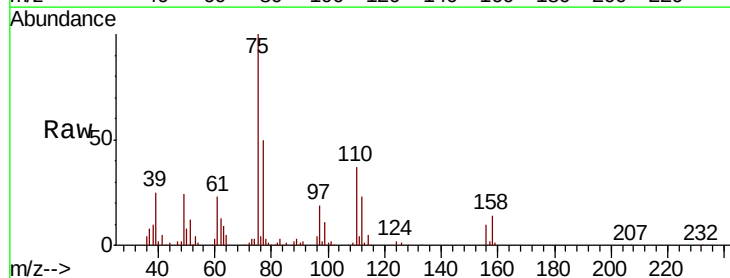
RT: 12.63 min Scan# 1787

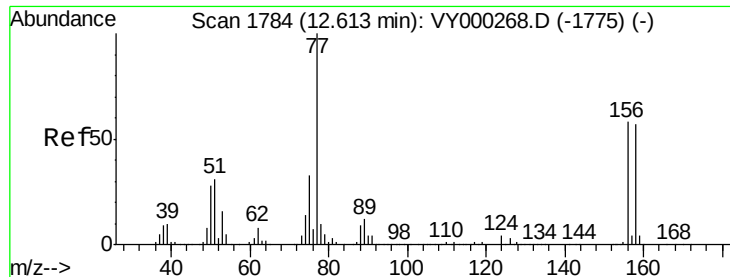
Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion:	75	Resp:	49569
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.476 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBSD01

Tot Ion:156 Resp: 69598

Ion Ratio Lower Upper

156 100

77 197.0 101.0 302.9

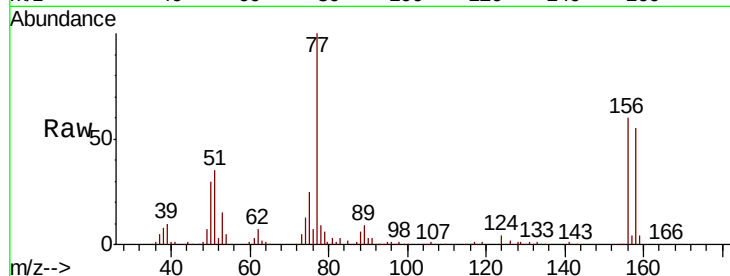
158 98.9 49.7 149.1

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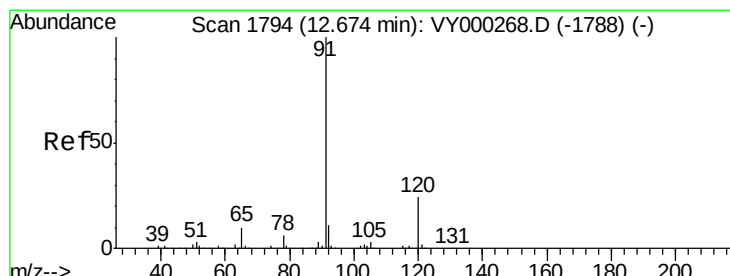
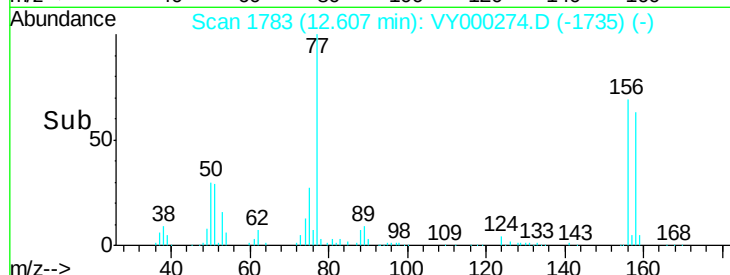
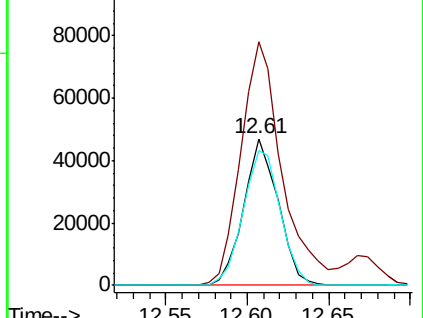
10/15/2019 12:34:05 PM



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: 20.770 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.00 min

Lab File: VY000274.D

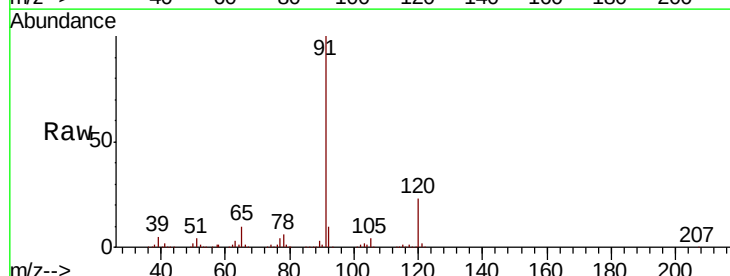
Acq: 11 Oct 2019 16:39

Tgt Ion: 91 Resp: 380915

Ion Ratio Lower Upper

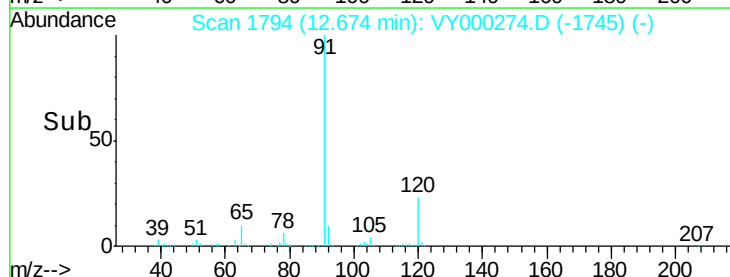
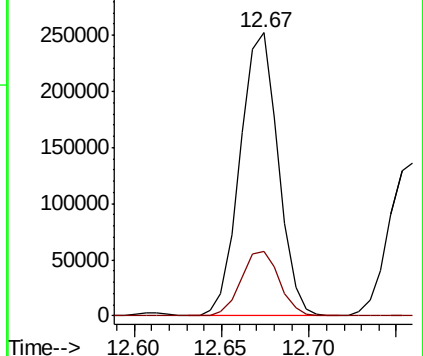
91 100

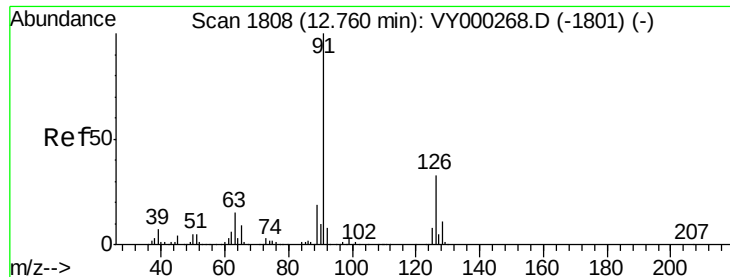
120 23.0 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





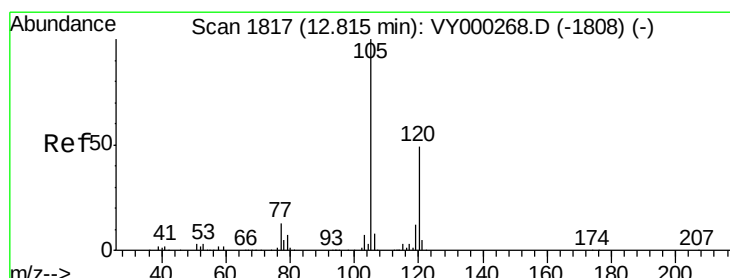
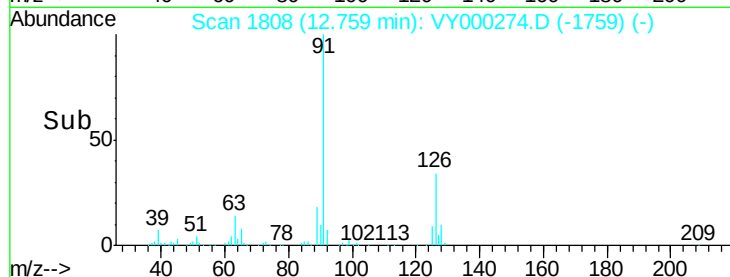
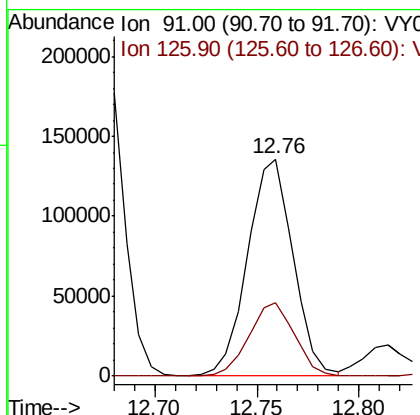
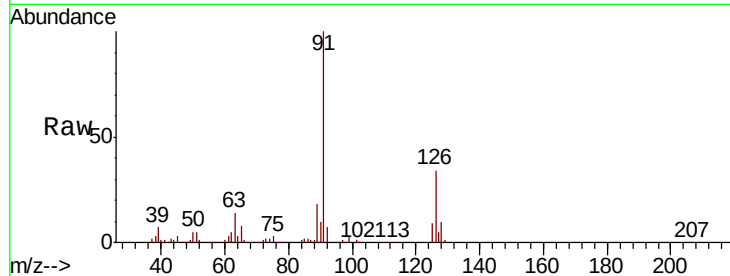
#79
2-Chlorotoluene
Concen: 20.802 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.1	51.3

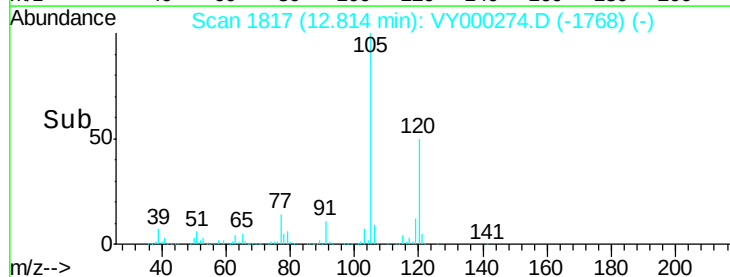
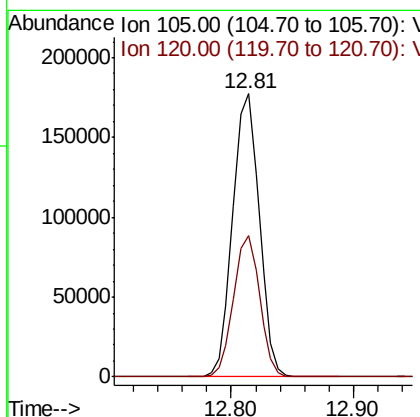
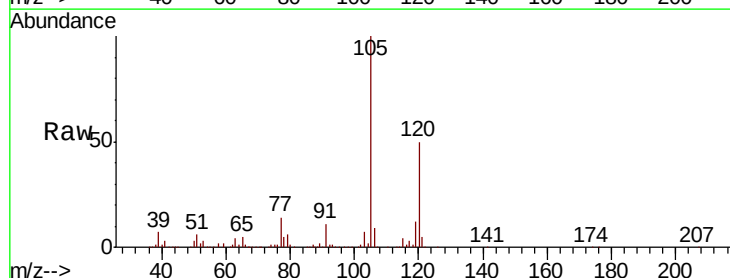
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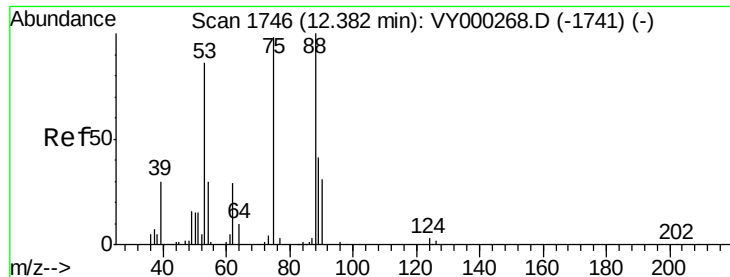
MMDadoda
10/15/2019 12:34:05 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.807 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.0	24.9	74.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.289 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

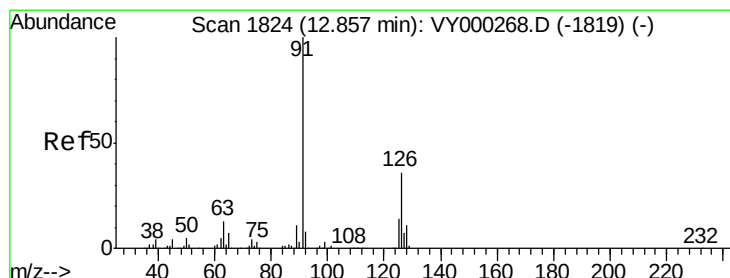
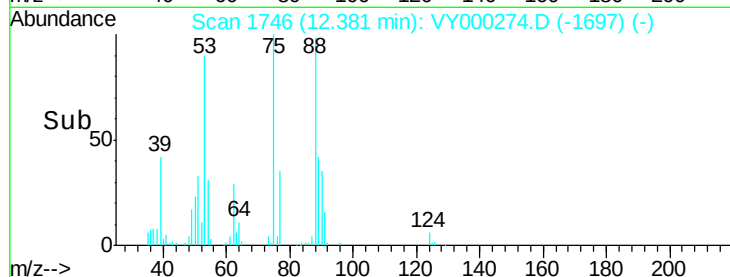
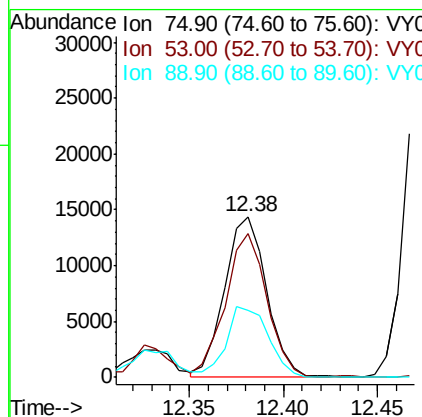
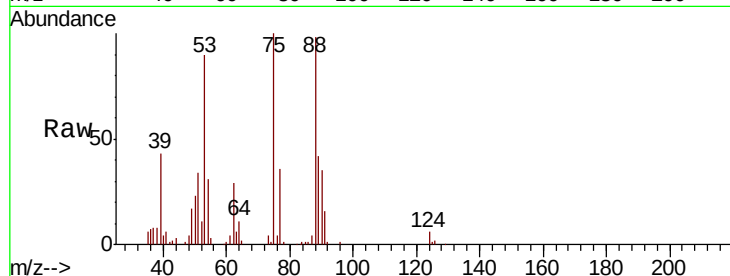
ClientSampleId :

VY1011SBS01

Tot Ion:	75	Resp:	22337
Ion Ratio	Lower	Upper	
75	100		
53	88.3	71.3	106.9
89	43.6	35.1	52.7

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#82

4-Chlorotoluene

Concen: 20.486 ug/l

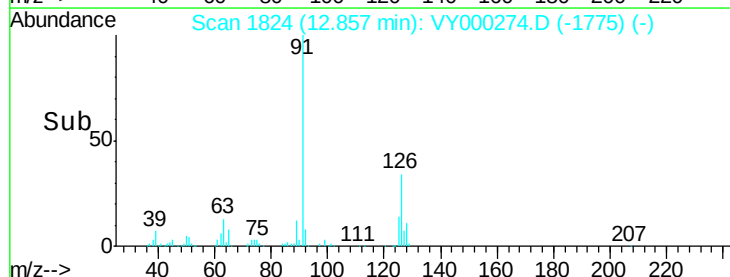
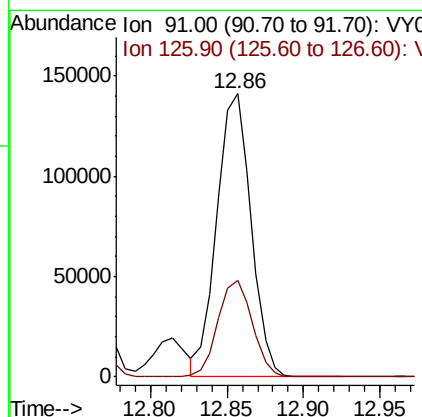
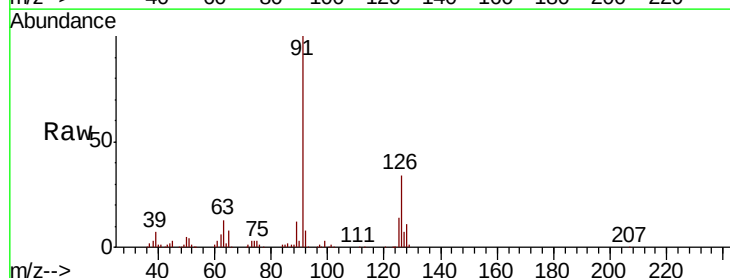
RT: 12.86 min Scan# 1824

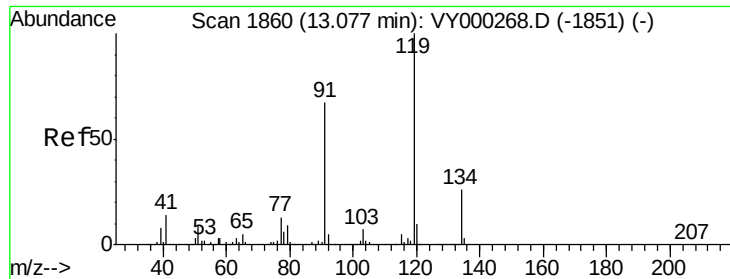
Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion:	91	Resp:	219328
Ion Ratio	Lower	Upper	
91	100		
126	34.5	17.2	51.5





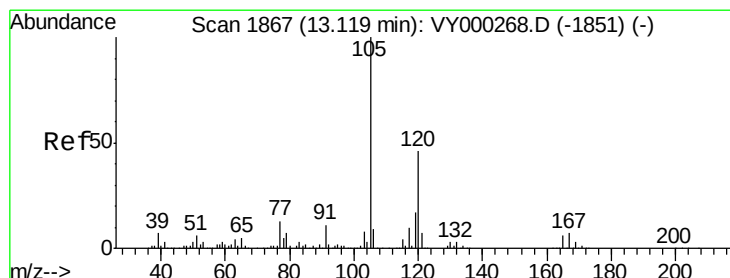
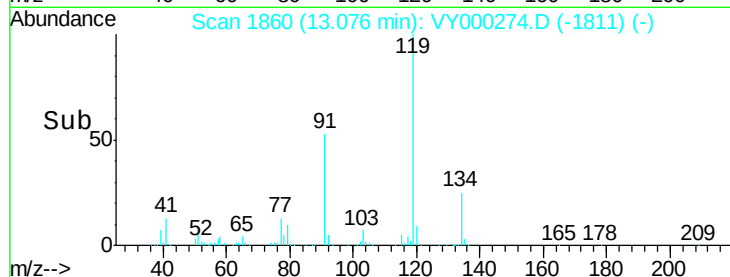
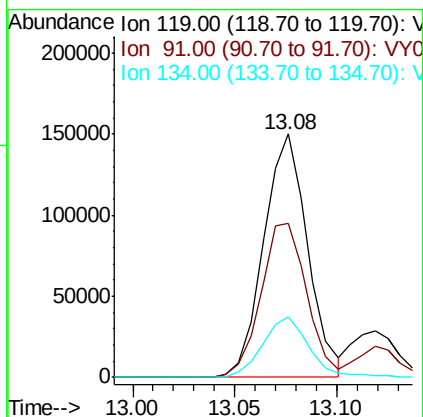
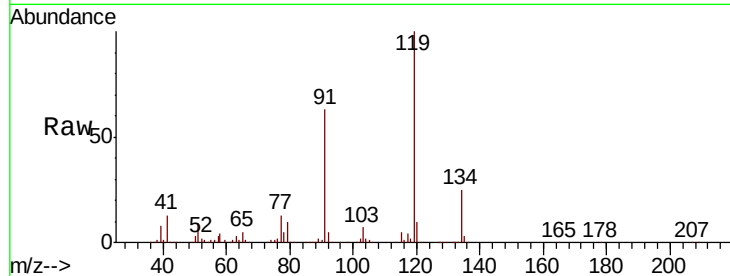
#83
tert-Butylbenzene
Concen: 20.728 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	224831		
91	66.2		32.9	98.7
134	26.4		13.3	39.8

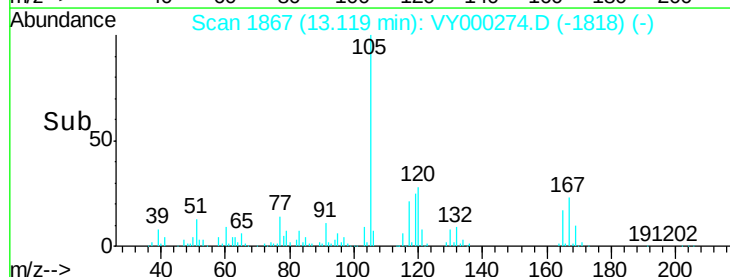
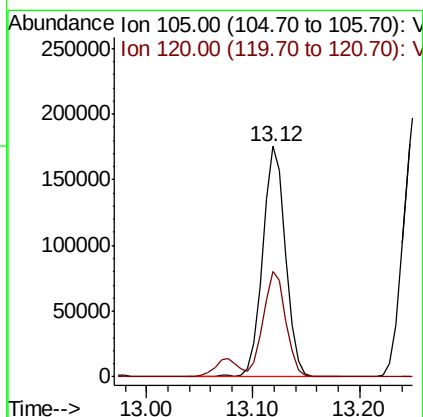
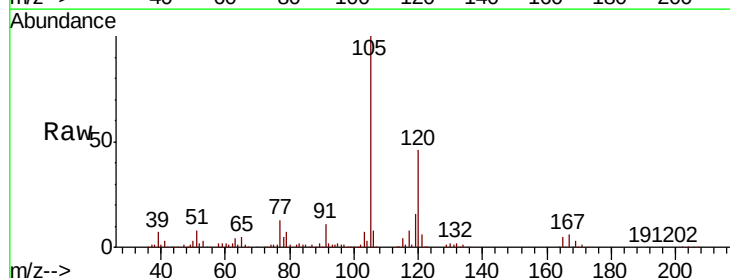
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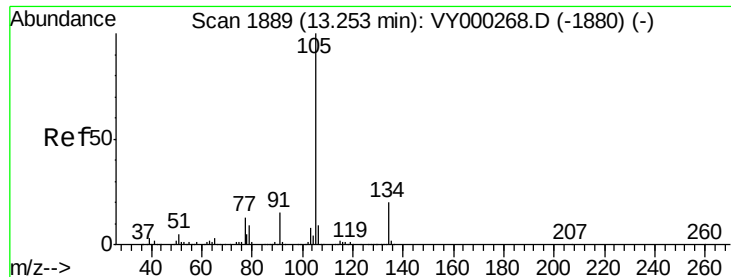
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#84
1,2,4-Trimethylbenzene
Concen: 20.841 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	263456		
120	45.0		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.306 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

ClientSampleId :

VY1011SBS01

Tot Ion:105 Resp: 318624

Ion Ratio Lower Upper

105 100

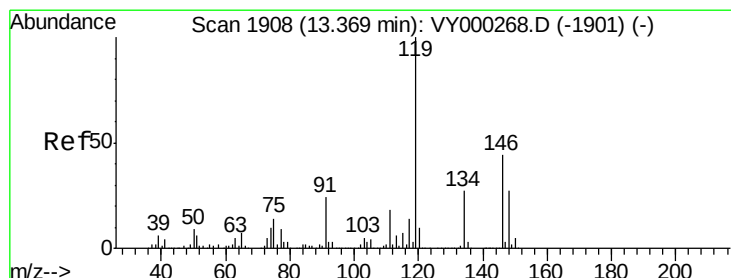
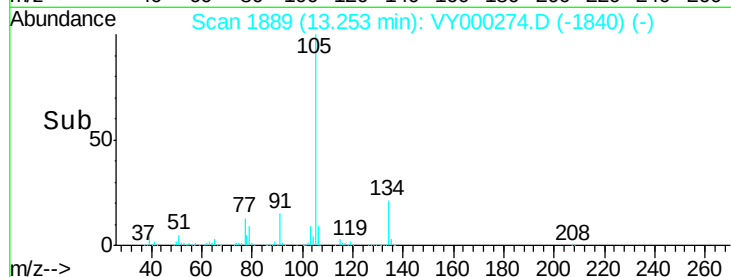
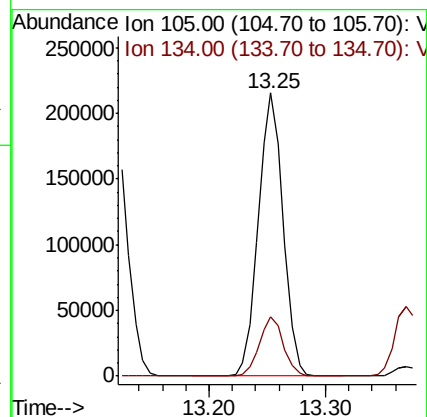
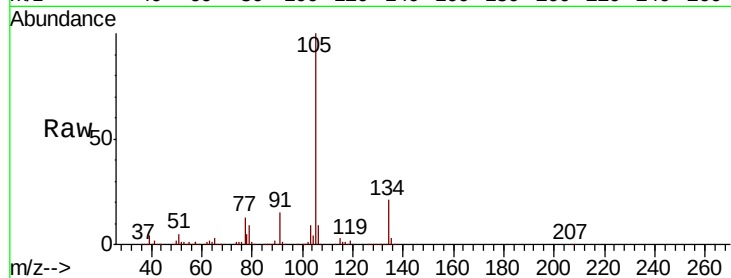
134 20.3 10.1 30.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.727 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

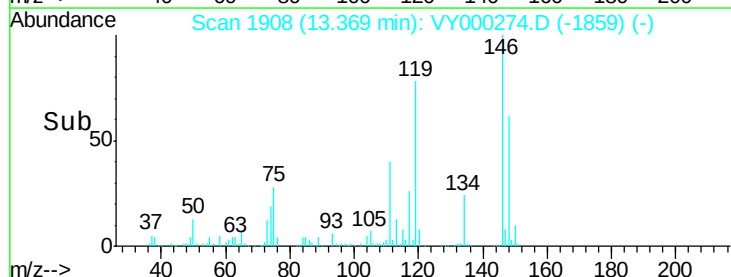
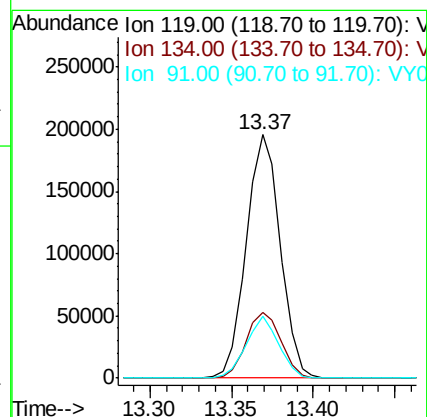
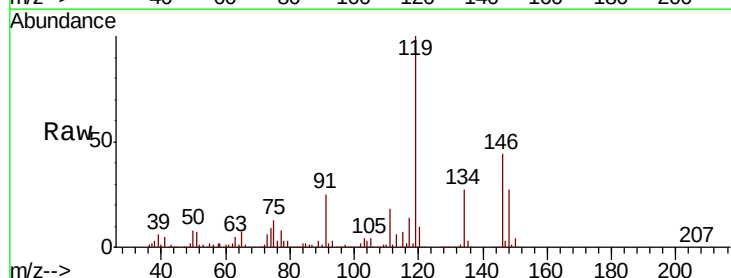
Tgt Ion:119 Resp: 283538

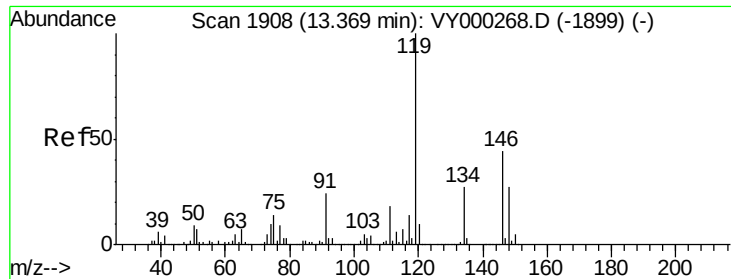
Ion Ratio Lower Upper

119 100

134 27.9 13.6 40.8

91 24.5 12.0 36.1





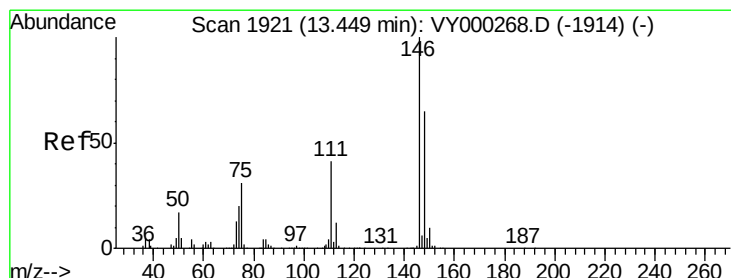
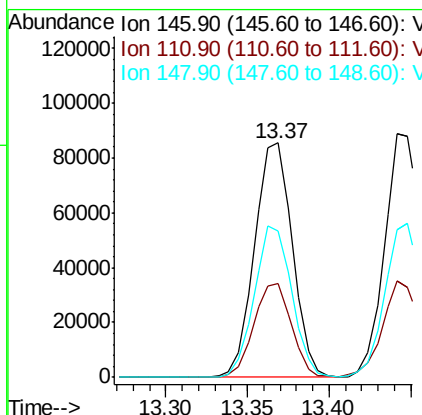
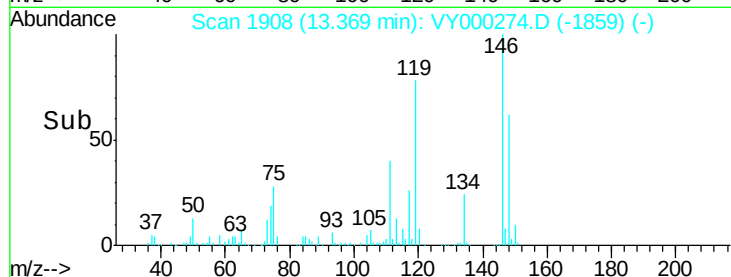
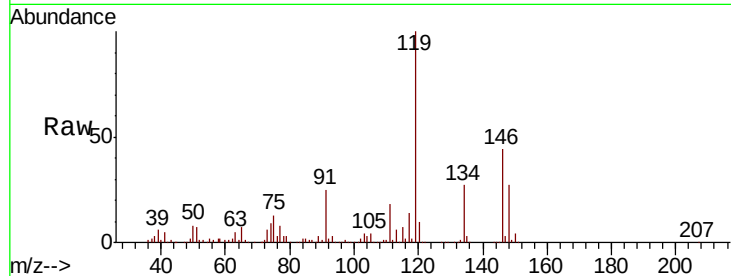
#87
 1,3-Dichlorobenzene
 Concen: 20.520 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	137422		
111	39.8	20.6	61.8	
148	63.9	31.9	95.5	

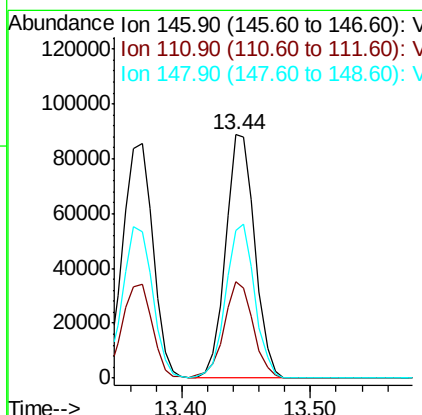
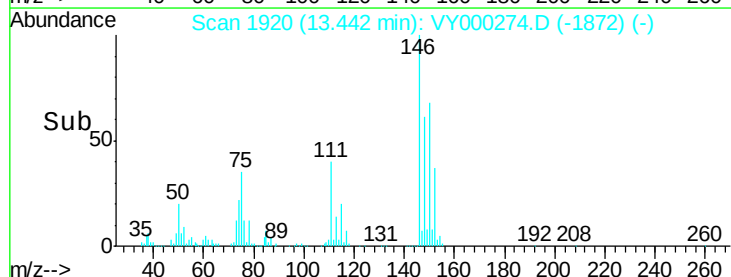
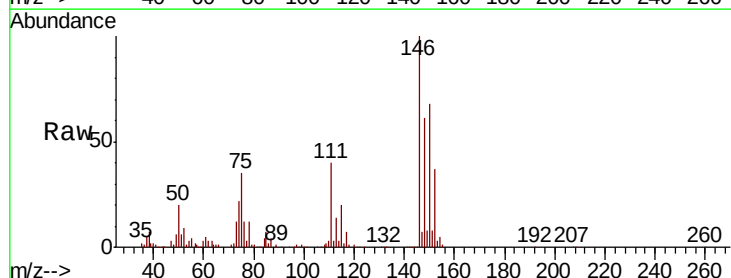
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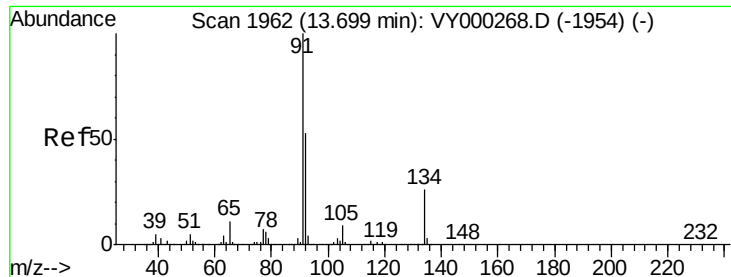
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#88
 1,4-Dichlorobenzene
 Concen: 20.999 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	140559		
111	39.6	20.1	60.2	
148	62.7	32.4	97.2	





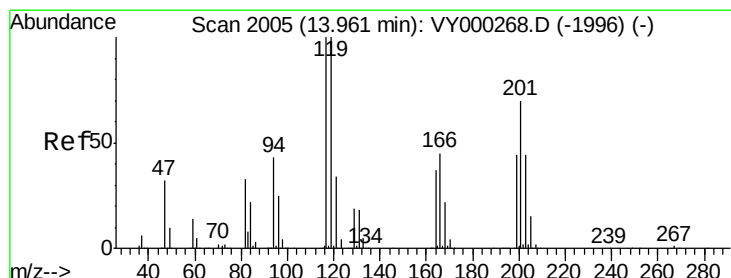
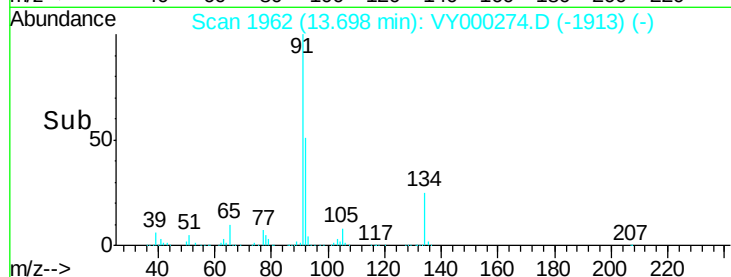
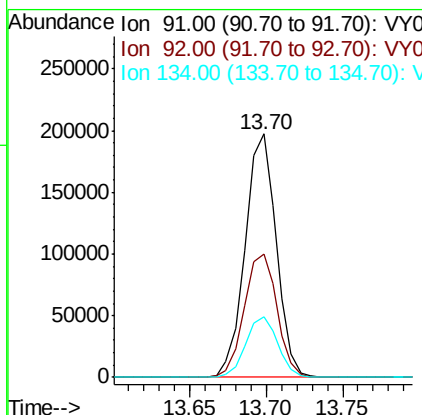
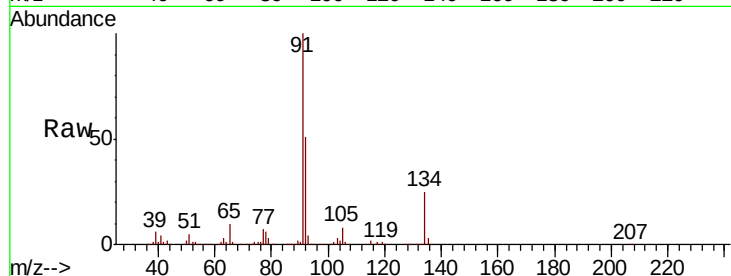
#89
n-Butylbenzene
Concen: 20.630 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.1
134	25.7	13.0	38.9

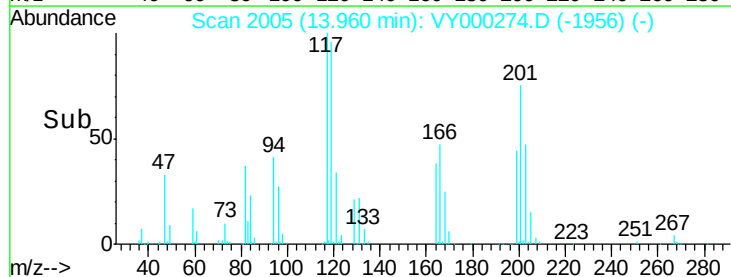
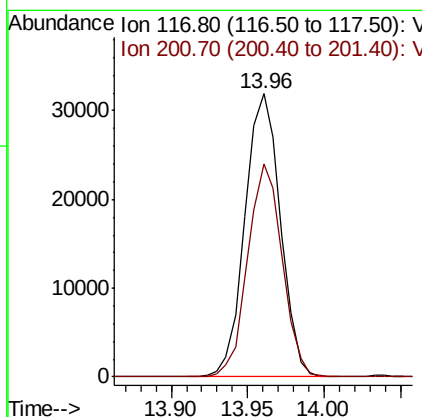
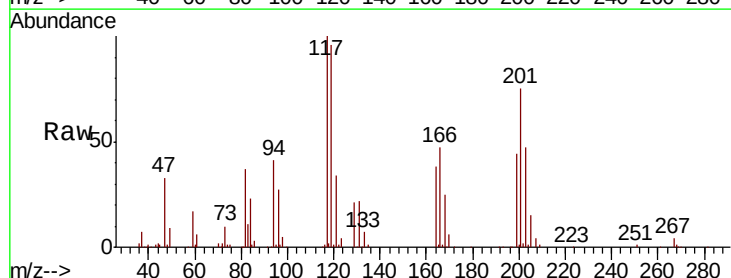
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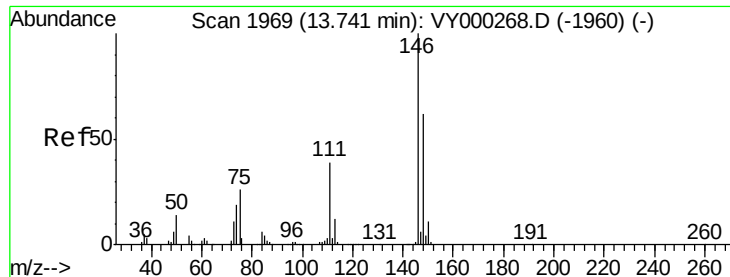
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#90
Hexachloroethane
Concen: 20.320 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.2	36.3	108.7





#91

1,2-Dichlorobenzene

Concen: 20.833 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. -0.00 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Instrument :

MSVOA_Y

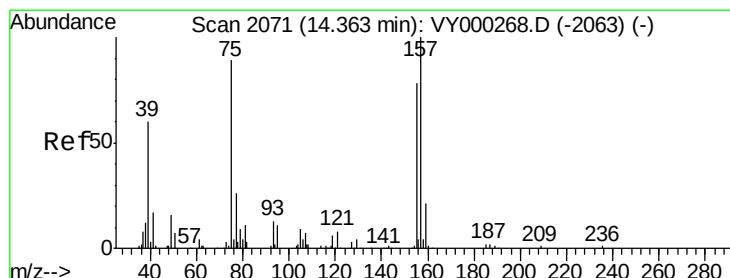
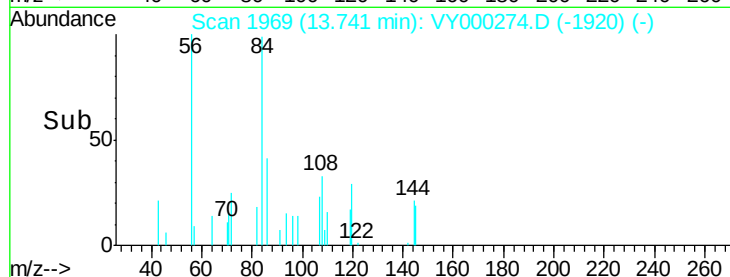
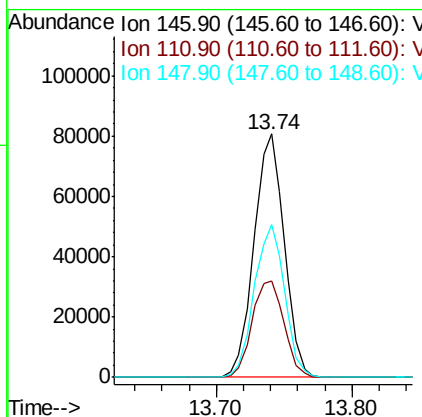
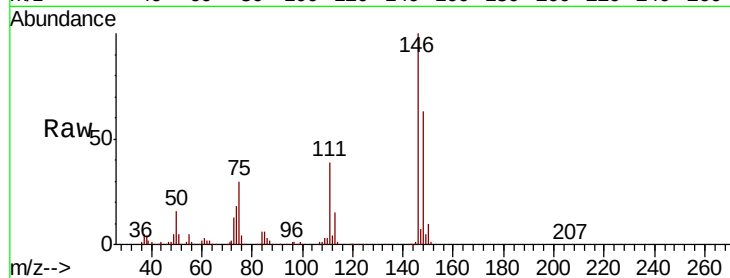
ClientSampleId :

VY1011SBSD01

Tot Ion:	146	Resp:	126261
Ion Ratio	Lower	Upper	
146	100		
111	41.6	20.5	61.5
148	62.8	31.6	95.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.615 ug/l

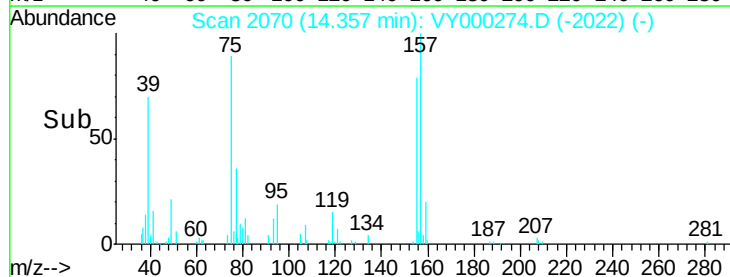
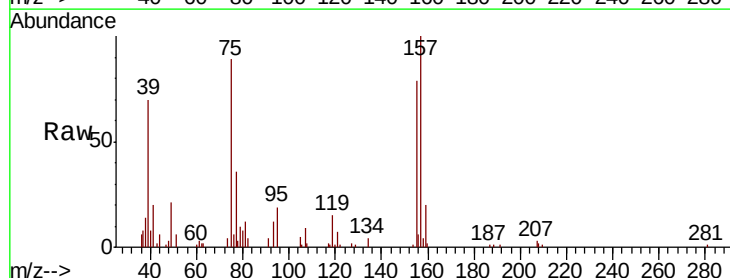
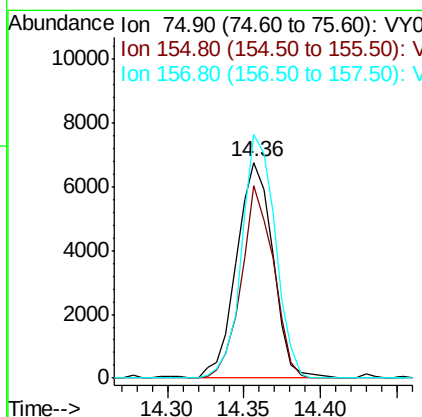
RT: 14.36 min Scan# 2070

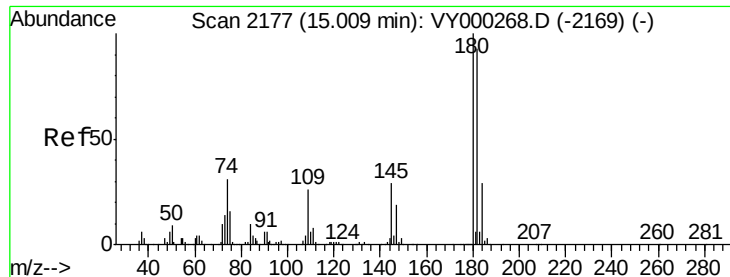
Delta R.T. -0.01 min

Lab File: VY000274.D

Acq: 11 Oct 2019 16:39

Tgt Ion:	75	Resp:	11213
Ion Ratio	Lower	Upper	
75	100		
155	78.5	45.8	137.3
157	103.9	55.6	166.9





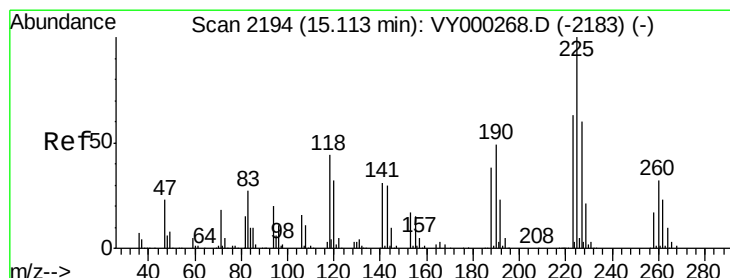
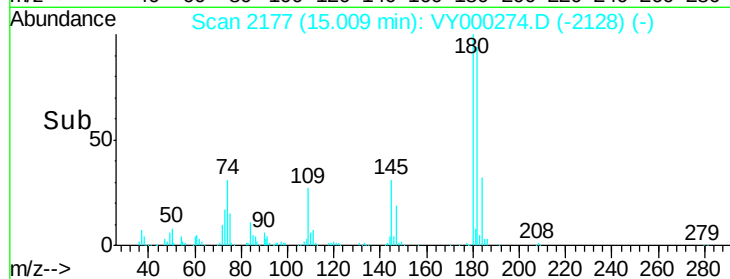
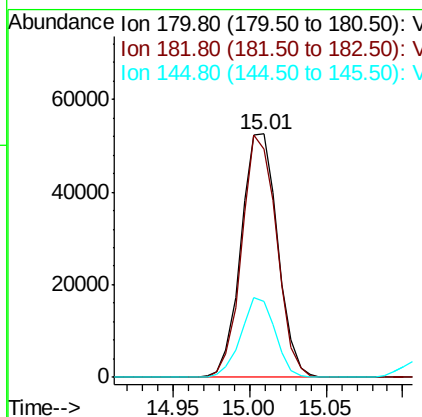
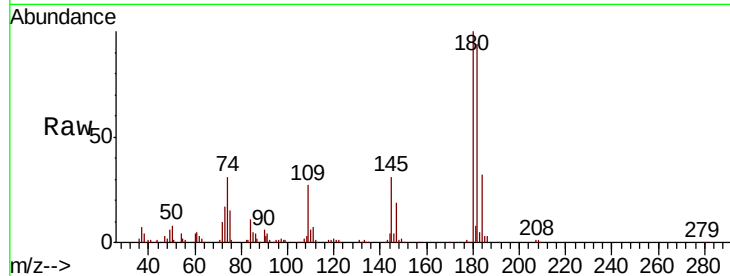
#93
 1,2,4-Trichlorobenzene
 Concen: 20.664 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1011SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	87195		
182	94.5	47.5	142.6	
145	30.8	15.4	46.1	

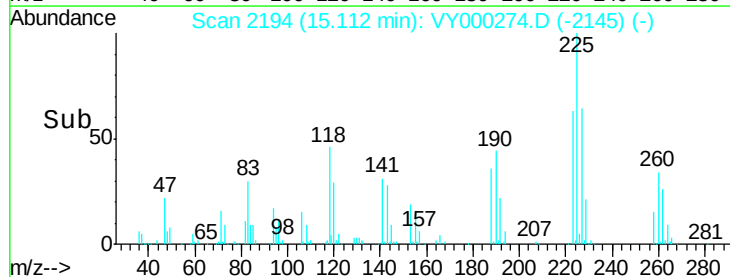
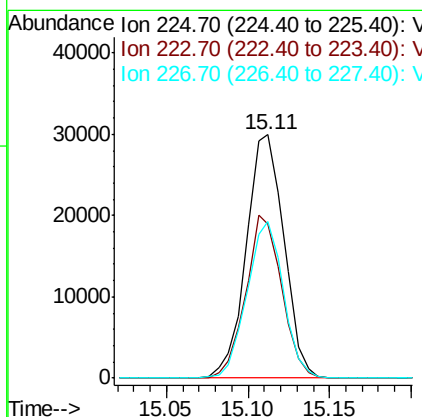
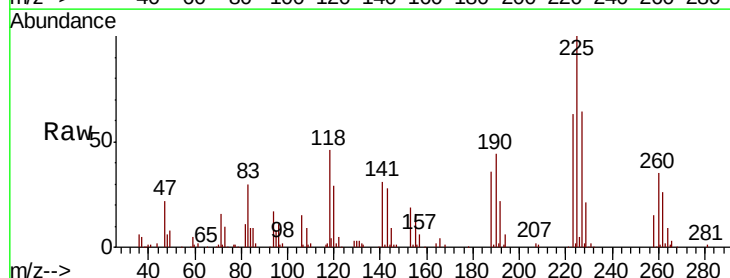
Manual Integrations
 APPROVED

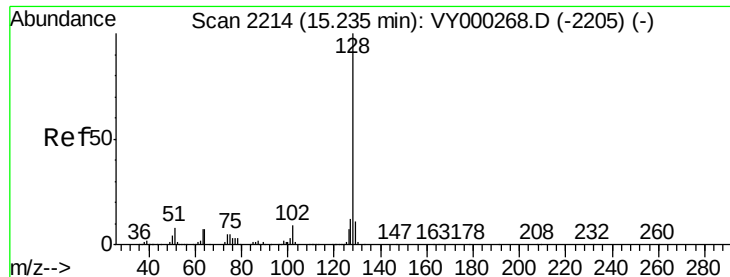
MMDadoda
 10/15/2019 12:34:05 PM



#94
 Hexachlorobutadiene
 Concen: 21.070 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000274.D
 Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	48114		
223	63.7	31.9	95.7	
227	62.1	31.4	94.2	





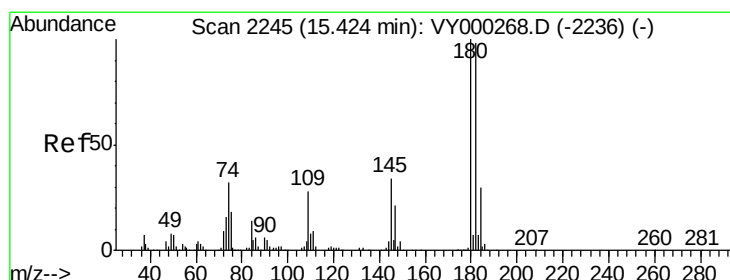
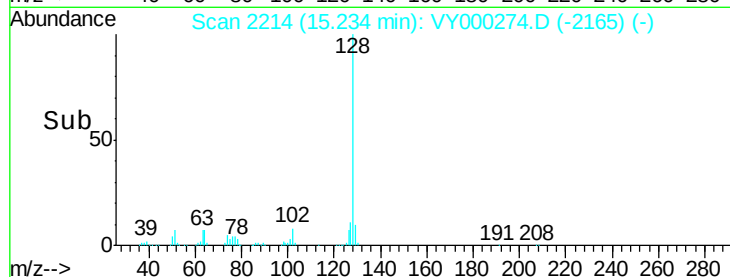
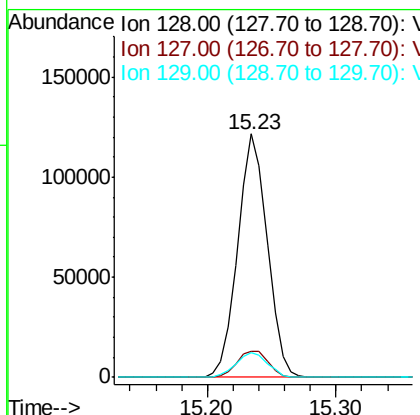
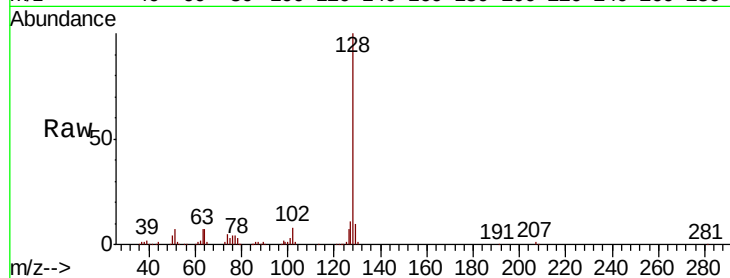
#95
Naphthalene
Concen: 20.455 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Instrument :
MSVOA_Y
ClientSampleId :
VY1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	192620		
127	11.5	9.6	14.4	
129	10.9	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
10/15/2019 12:34:05 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.571 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000274.D
Acq: 11 Oct 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	78229		
182	96.5	46.5	139.5	
145	32.5	16.2	48.5	

