

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001553.D
 Acq On : 07 Feb 2020 14:54
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:15 AM

Quant Time: Feb 08 02:54:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	202879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	353265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	322797	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	153608	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	108363	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	
35) Dibromofluoromethane	7.74	113	98123	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	10.19	98	409158	53.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.18%	
62) 4-Bromofluorobenzene	12.49	95	147229	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34930	17.589	ug/l	100
3) Chloromethane	2.12	50	46290	22.302	ug/l	93
4) Vinyl Chloride	2.26	62	47960	22.253	ug/l	100
5) Bromomethane	2.66	94	32466	23.953	ug/l	96
6) Chloroethane	2.80	64	30138	23.199	ug/l	99
7) Trichlorofluoromethane	3.14	101	64442	18.064	ug/l	99
8) Diethyl Ether	3.55	74	25606	21.270	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.92	101	41028	19.114	ug/l	98
10) Methyl Iodide	4.11	142	49126	17.962	ug/l	97
11) Tert butyl alcohol	4.98	59	26899	96.314	ug/l	100
12) 1,1-Dichloroethene	3.89	96	41428	19.422	ug/l	96
13) Acrolein	3.75	56	20806	107.569	ug/l	97
14) Allyl chloride	4.50	41	70987	21.755	ug/l	96
15) Acrylonitrile	5.19	53	66471	120.443	ug/l	98
16) Acetone	3.97	43	59087	100.000	ug/l	94
17) Carbon Disulfide	4.21	76	132219	19.472	ug/l	100
18) Methyl Acetate	4.51	43	31283	24.810	ug/l	95
19) Methyl tert-butyl Ether	5.25	73	114655	20.213	ug/l	95
20) Methylene Chloride	4.74	84	49867	18.584	ug/l	88
21) trans-1,2-Dichloroethene	5.25	96	46638	19.668	ug/l	97
22) Diisopropyl ether	6.14	45	148345	22.947	ug/l	95
23) Vinyl Acetate	6.08	43	482187	117.167	ug/l	96
24) 1,1-Dichloroethane	6.04	63	78359	20.152	ug/l	97
25) 2-Butanone	7.01	43	90194	117.660	ug/l	92
26) 2,2-Dichloropropane	7.00	77	68799	18.487	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	51085	19.725	ug/l	97
28) Bromochloromethane	7.36	49	28985	21.881	ug/l	90
29) Tetrahydrofuran	7.37	42	58315	126.922	ug/l	92
30) Chloroform	7.52	83	75261	19.108	ug/l	98
31) Cyclohexane	7.80	56	83211	20.920	ug/l	96
32) 1,1,1-Trichloroethane	7.72	97	66246	18.551	ug/l	97
36) 1,1-Dichloropropene	7.94	75	62810	19.436	ug/l	100
37) Ethyl Acetate	7.10	43	39041	24.955	ug/l #	95
38) Carbon Tetrachloride	7.92	117	57736	18.466	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	84250	19.799	ug/l	95
40) Benzene	8.18	78	188146	20.411	ug/l	98
41) Methacrylonitrile	7.34	41	22089m	30.464	ug/l	
42) 1,2-Dichloroethane	8.25	62	52955	20.620	ug/l	98
43) Isopropyl Acetate	8.29	43	75490	24.371	ug/l	95
44) Trichloroethene	8.95	130	47672	19.187	ug/l	98
45) 1,2-Dichloropropane	9.23	63	47878	21.510	ug/l	96
46) Dibromomethane	9.32	93	25697	20.559	ug/l	98
47) Bromodichloromethane	9.51	83	59780	19.630	ug/l	100
48) Methyl methacrylate	9.30	41	33766	24.018	ug/l	91
49) 1,4-Dioxane	9.30	88	6506	394.142	ug/l	96
51) 4-Methyl-2-Pentanone	10.08	43	192317	126.072	ug/l	94
52) Toluene	10.25	92	117438	20.079	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	65691	19.804	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	75894	19.930	ug/l	94
55) 1,1,2-Trichloroethane	10.65	97	37178	20.732	ug/l	95
56) Ethyl methacrylate	10.52	69	55953	21.937	ug/l	94
57) 1,3-Dichloropropane	10.80	76	65924	20.854	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	100001	106.575	ug/l	95
59) 2-Hexanone	10.84	43	136283	122.873	ug/l	96
60) Dibromochloromethane	10.99	129	41028	19.409	ug/l	99
61) 1,2-Dibromoethane	11.10	107	35612	20.162	ug/l	98
64) Tetrachloroethene	10.72	164	38972	18.410	ug/l	98
65) Chlorobenzene	11.52	112	122884	19.388	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	41960	18.916	ug/l	99
67) Ethyl Benzene	11.60	91	228447	19.494	ug/l	100
68) m/p-Xylenes	11.70	106	173575	39.455	ug/l	96
69) o-Xylene	12.03	106	80713	19.458	ug/l	100
70) Styrene	12.05	104	142377	19.849	ug/l	98
71) Bromoform	12.22	173	23800	19.268	ug/l	# 98
73) Isopropylbenzene	12.34	105	216076	18.444	ug/l	98
74) N-amyl acetate	12.15	43	69678	22.888	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	46936	21.087	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	35137m	21.271	ug/l	
77) Bromobenzene	12.61	156	48386	19.085	ug/l	97
78) n-propylbenzene	12.68	91	267723	19.089	ug/l	99
79) 2-Chlorotoluene	12.77	91	146556	18.332	ug/l	97
80) 1,3,5-Trimethylbenzene	12.82	105	182632	18.511	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	16567	19.406	ug/l	94
82) 4-Chlorotoluene	12.86	91	157516	18.792	ug/l	100
83) tert-Butylbenzene	13.08	119	154544	18.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	184380	18.881	ug/l	100
85) sec-Butylbenzene	13.26	105	225275	19.212	ug/l	100
86) p-Isopropyltoluene	13.38	119	195391	18.910	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	94536	19.456	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	94924	19.501	ug/l	100
89) n-Butylbenzene	13.70	91	200072	19.624	ug/l	99
90) Hexachloroethane	13.97	117	35723	18.012	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	85999	19.531	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7458	18.150	ug/l	95

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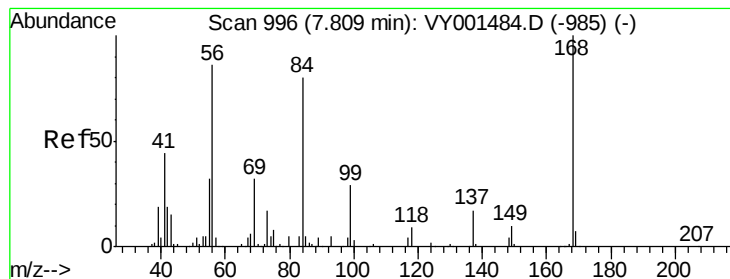
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	57648	19.428	ug/l	98
94) Hexachlorobutadiene	15.13	225	28322	18.806	ug/l	98
95) Naphthalene	15.25	128	131286	18.826	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	51381	19.616	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion:168 Resp: 202879

Ion Ratio Lower Upper

168 100

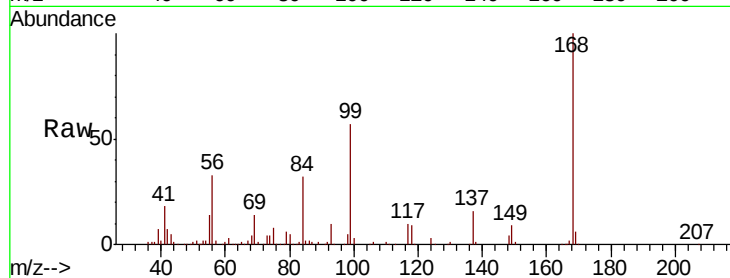
99 56.7 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.81

100000

80000

60000

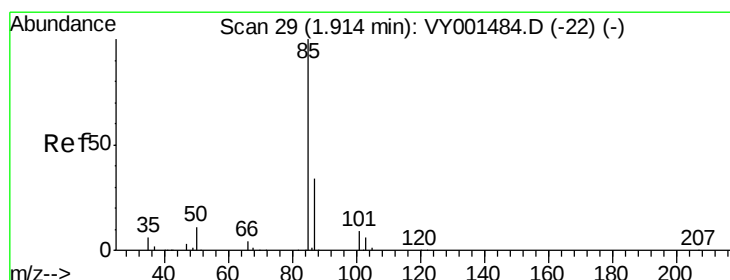
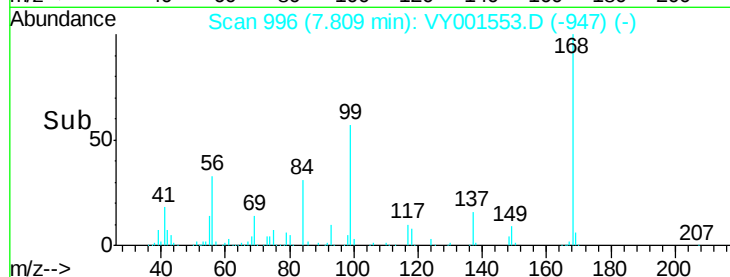
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.589 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001553.D

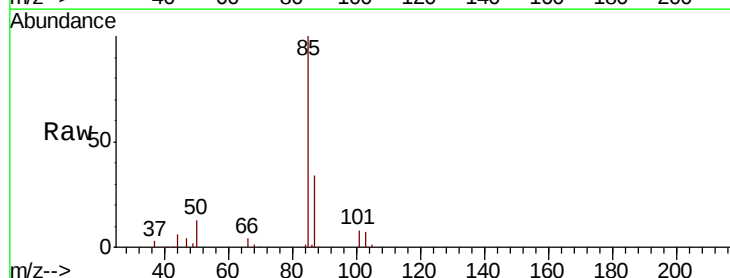
Acq: 07 Feb 2020 14:54

Tgt Ion: 85 Resp: 34930

Ion Ratio Lower Upper

85 100

87 34.1 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.91

25000

20000

15000

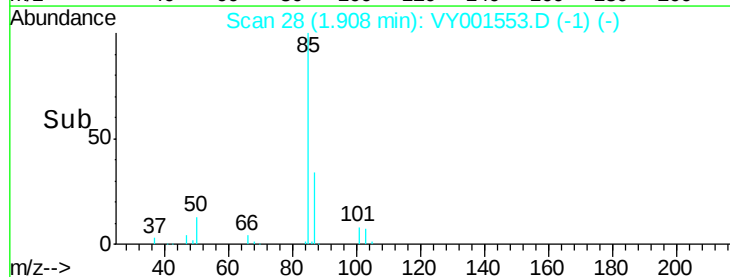
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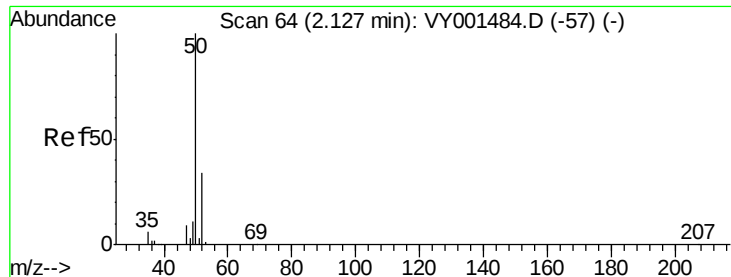
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.302 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion: 50 Resp: 46290

Ion Ratio Lower Upper

50 100

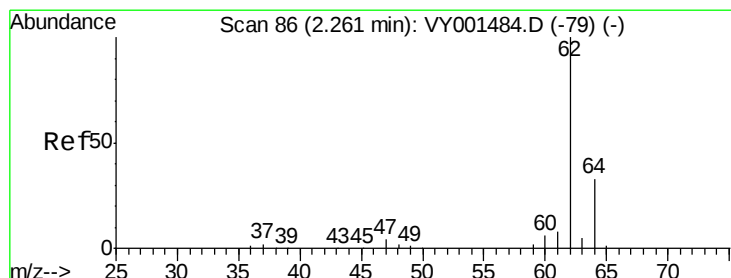
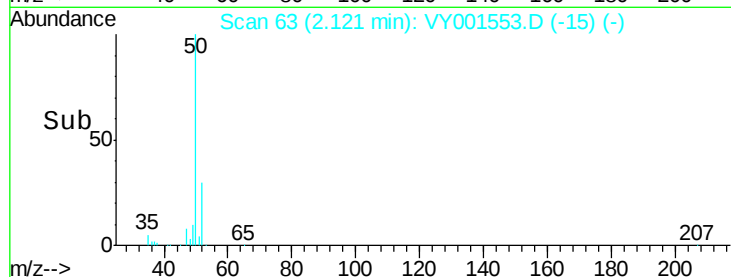
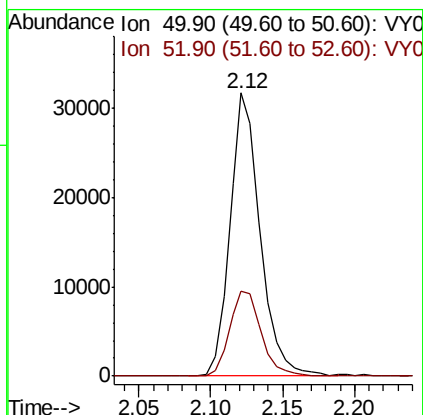
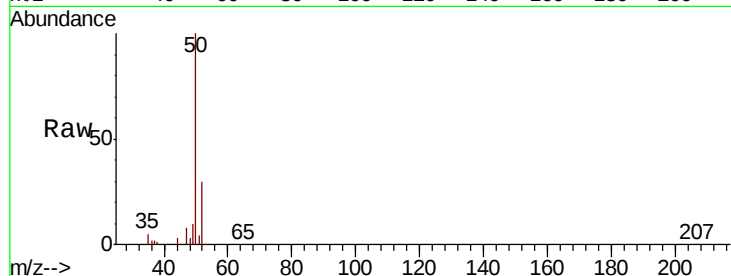
52 29.9 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.253 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001553.D

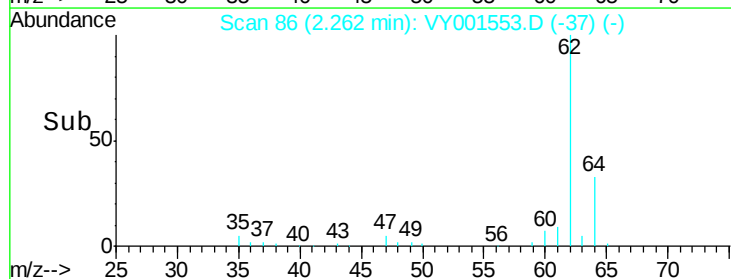
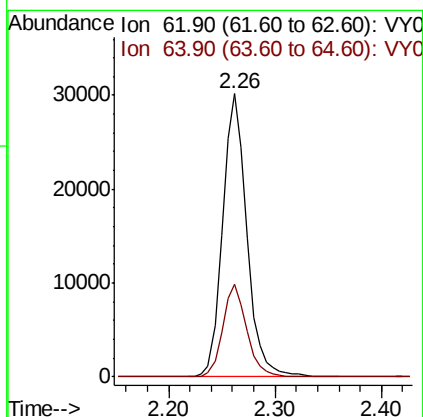
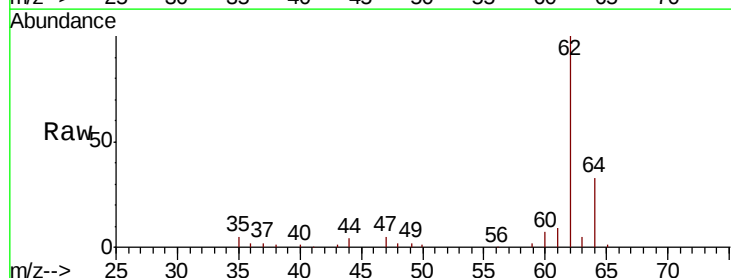
Acq: 07 Feb 2020 14:54

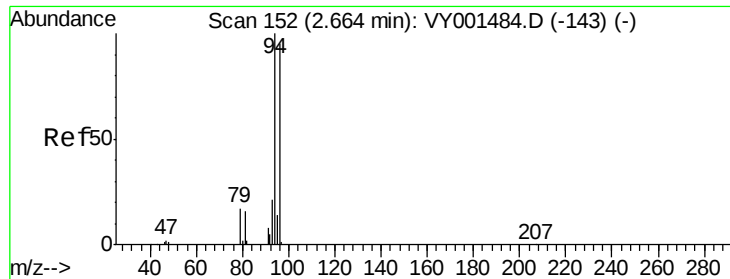
Tgt Ion: 62 Resp: 47960

Ion Ratio Lower Upper

62 100

64 32.9 26.4 39.6





#5

Bromomethane

Concen: 23.953 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 94 Resp: 32466

Ion Ratio Lower Upper

94 100

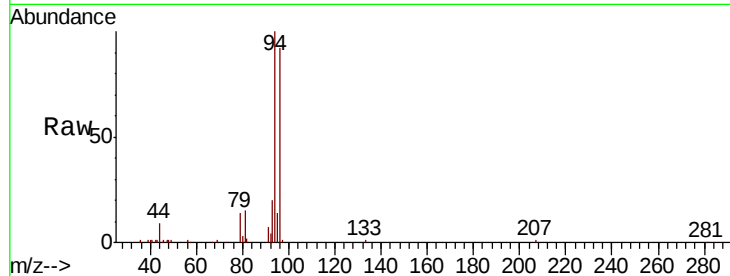
96 91.7 76.2 114.2

Manual Integrations

APPROVED

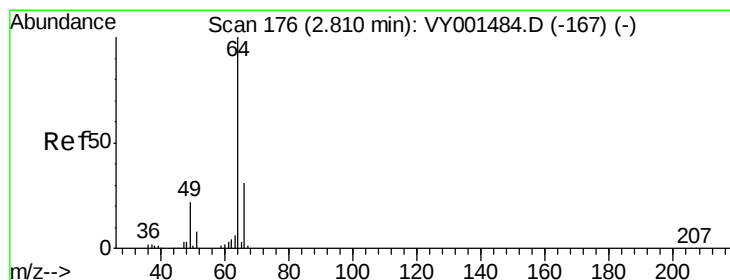
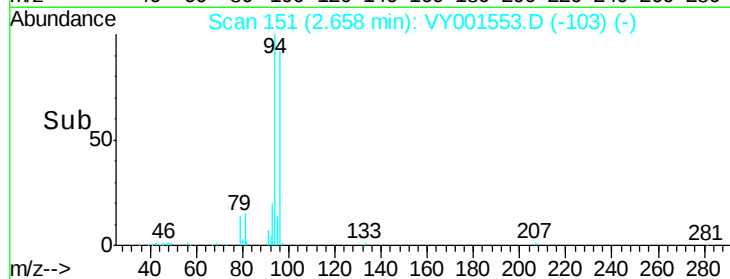
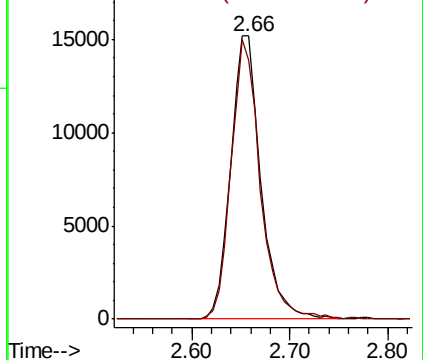
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 23.199 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001553.D

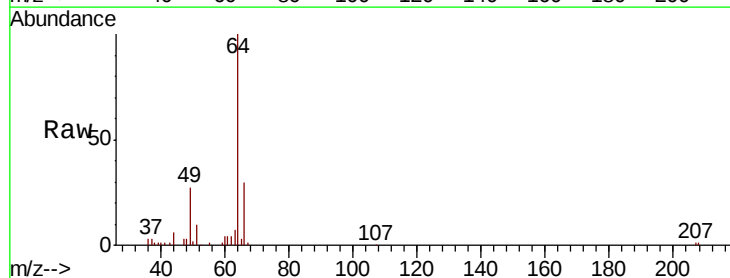
Acq: 07 Feb 2020 14:54

Tgt Ion: 64 Resp: 30138

Ion Ratio Lower Upper

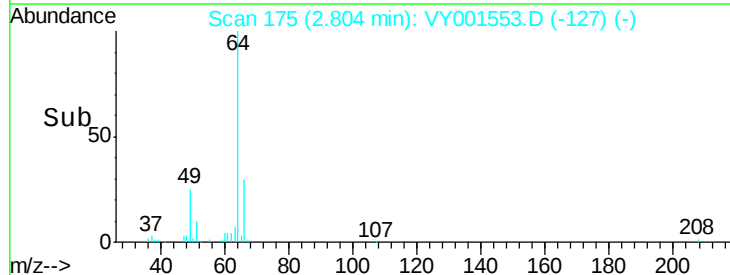
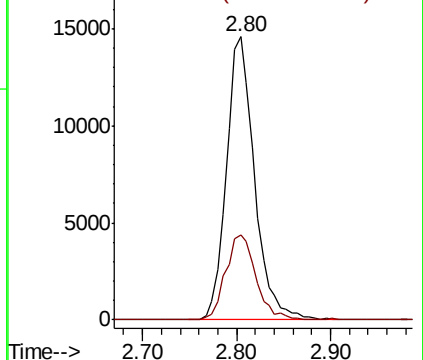
64 100

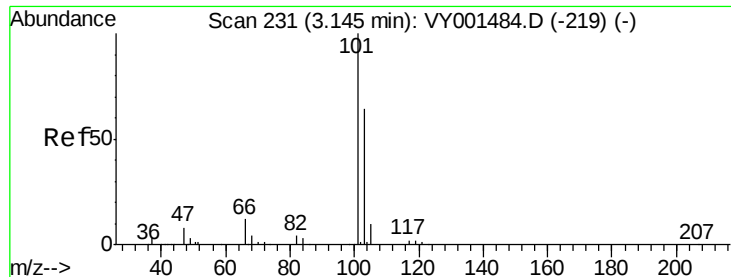
66 29.8 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

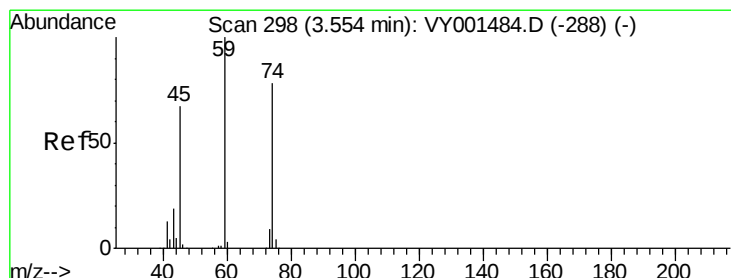
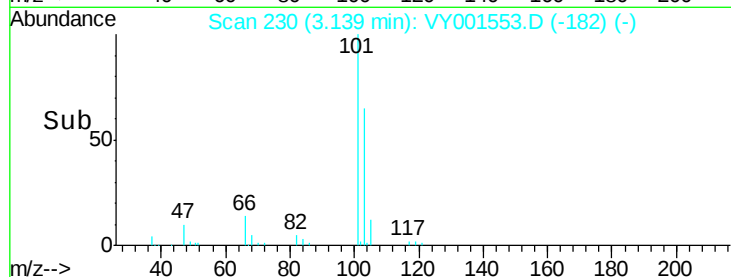
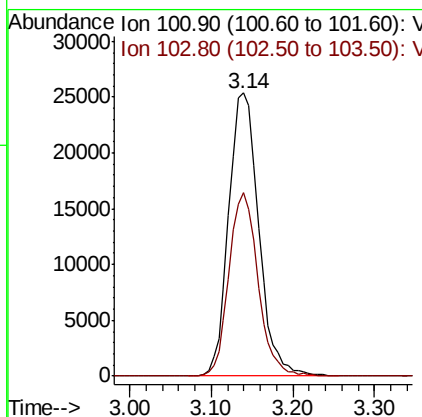
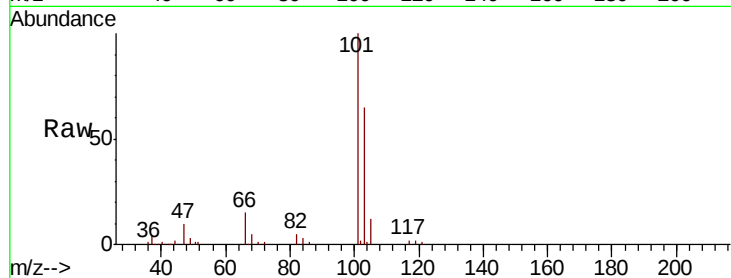
Trichlorofluoromethane
Concen: 18.064 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.9	76.3

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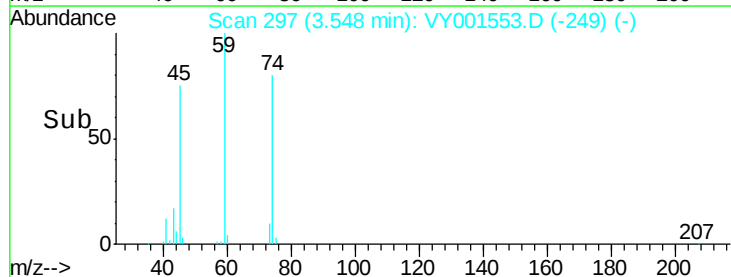
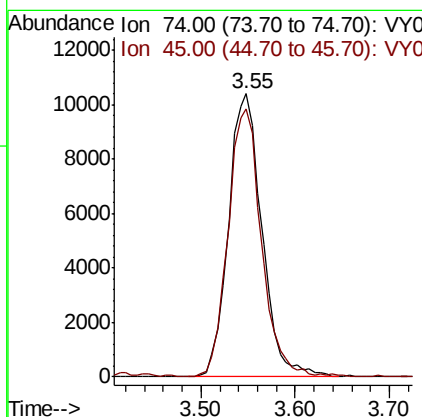
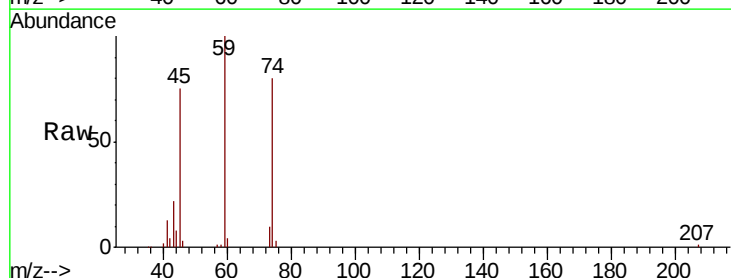
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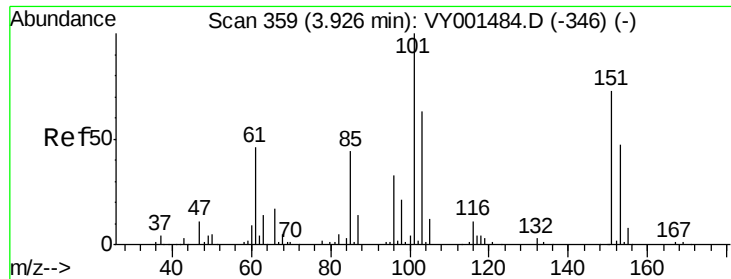


#8

Diethyl Ether
Concen: 21.270 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.114 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

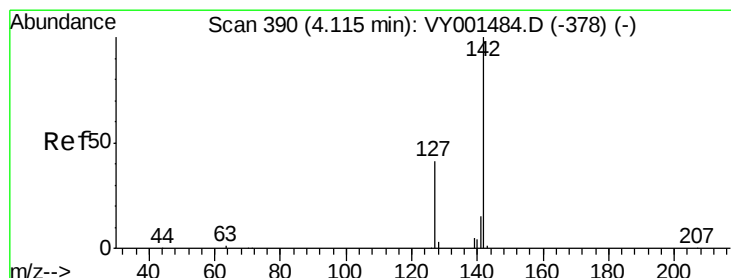
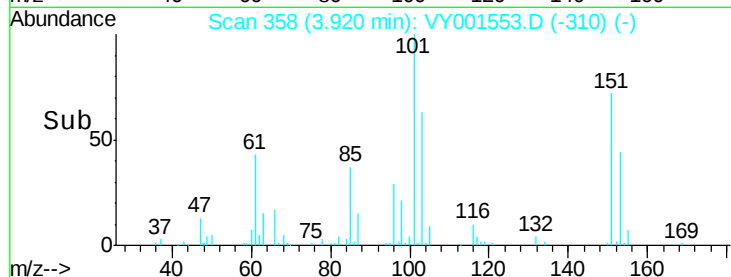
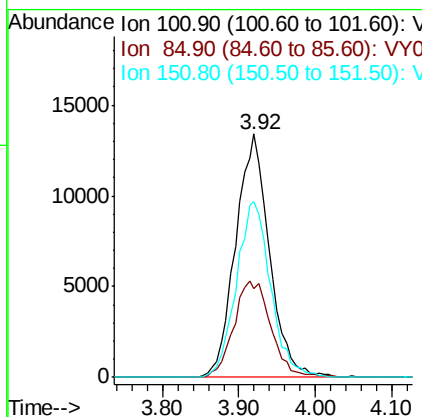
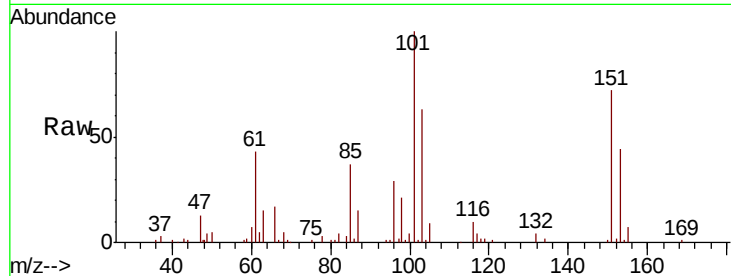
ClientSampleId :

VY0207SBS01

Tot Ion:	101	Resp:	41028
Ion Ratio	Lower	Upper	
101	100		
85	43.4	34.6	51.8
151	73.4	60.3	90.5

Manual Integrations
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2/10/2020 11:27:15 AM



#10

Methyl Iodide

Concen: 17.962 ug/l

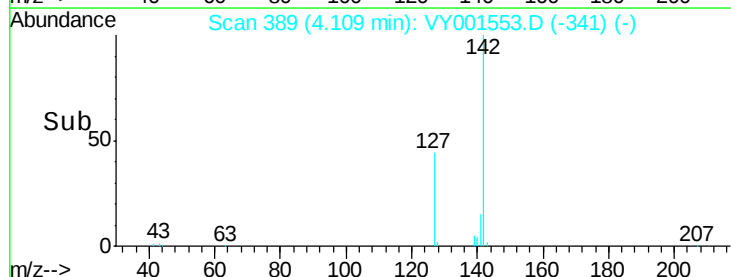
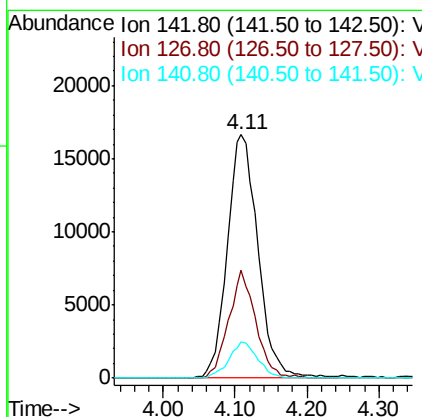
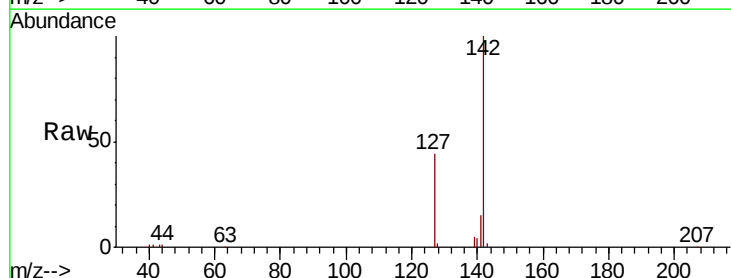
RT: 4.11 min Scan# 389

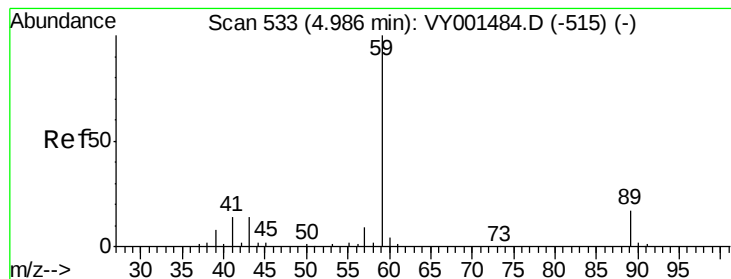
Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	142	Resp:	49126
Ion Ratio	Lower	Upper	
142	100		
127	38.9	33.3	49.9
141	13.9	11.5	17.3





#11

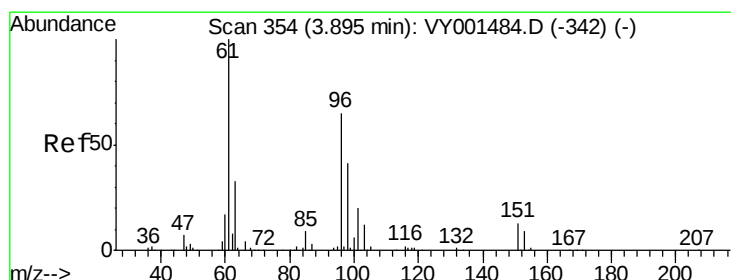
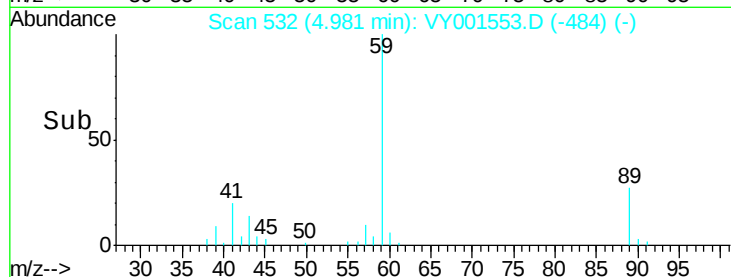
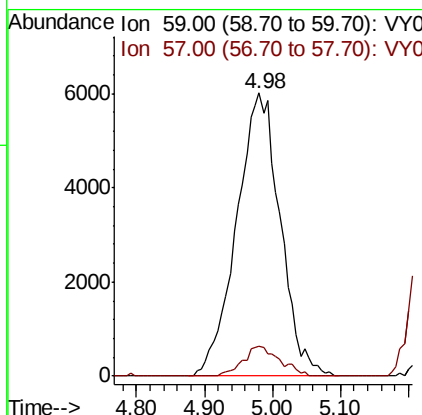
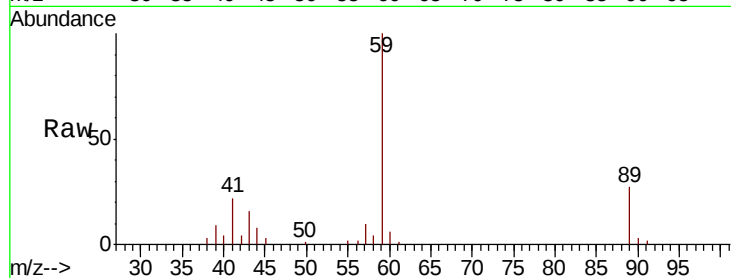
Tert butyl alcohol
 Concen: 96.314 ug/l
 RT: 4.98 min Scan# 532
 Delta R.T. -0.01 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.0	10.6

Manual Integrations
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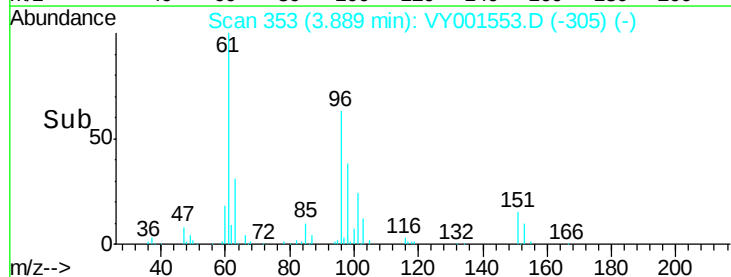
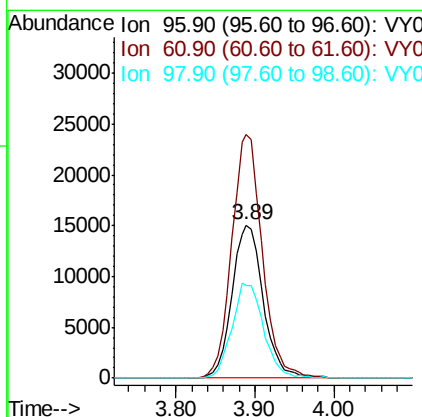
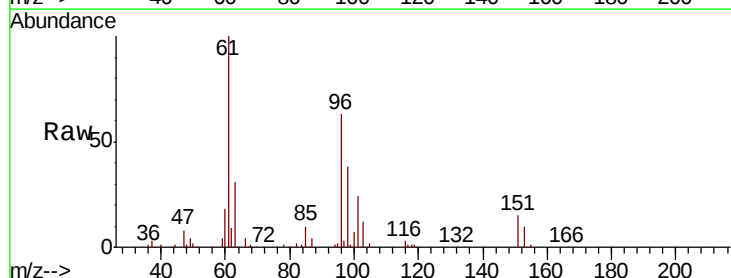
MMDadoda
 2/10/2020 11:27:15 AM

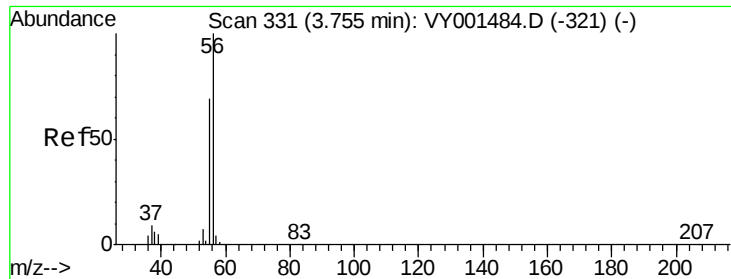


#12

1,1-Dichloroethene
 Concen: 19.422 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.8	122.3	183.5
98	60.5	49.7	74.5





#13

Acrolein

Concen: 107.569 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 56 Resp: 20806

Ion Ratio Lower Upper

56 100

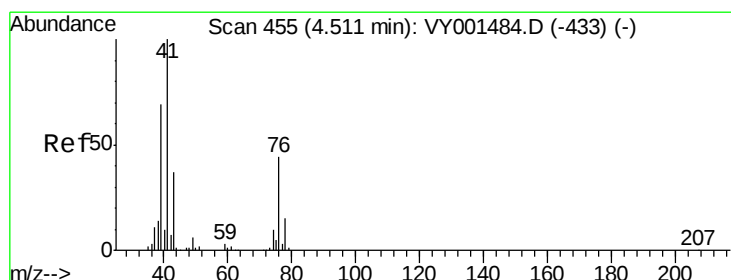
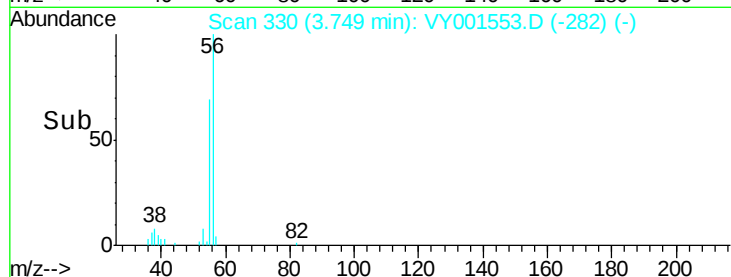
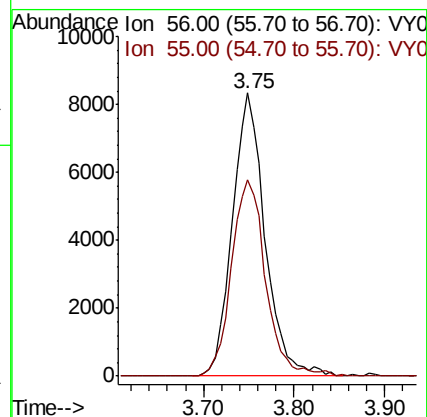
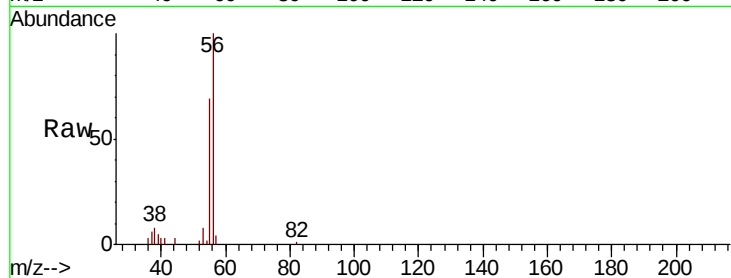
55 72.6 56.2 84.4

Manual Integrations

APPROVED

MMDadoda

2/10/2020 11:27:15 AM



#14

Allyl chloride

Concen: 21.755 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

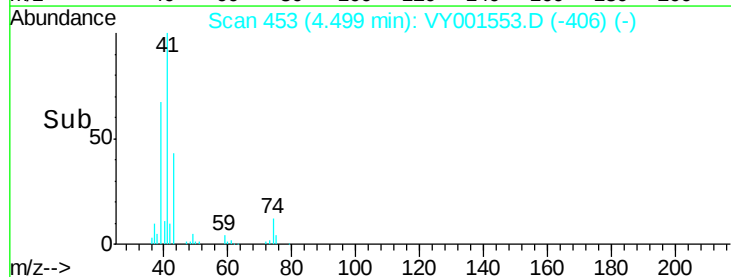
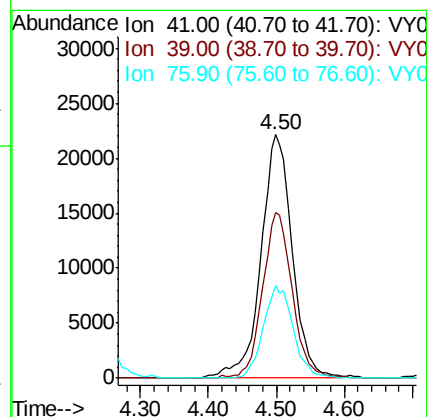
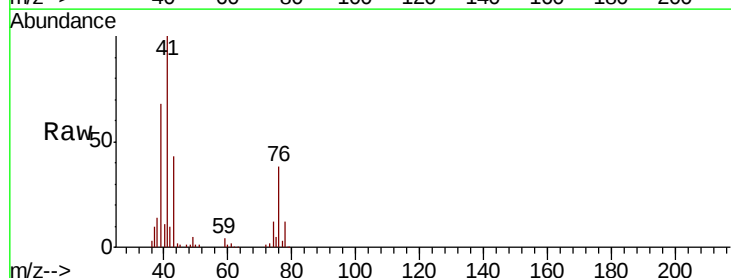
Tgt Ion: 41 Resp: 70987

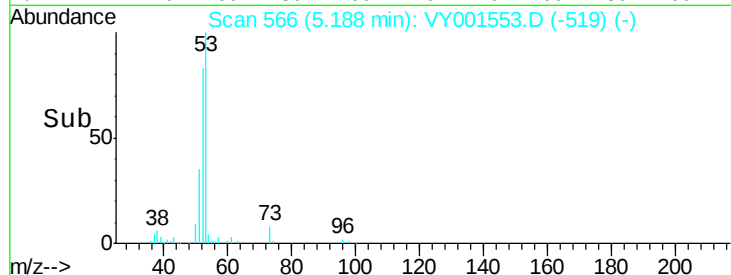
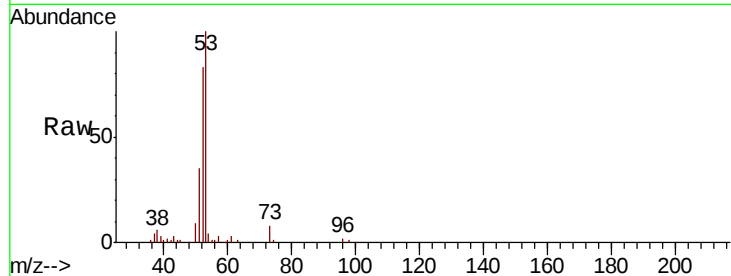
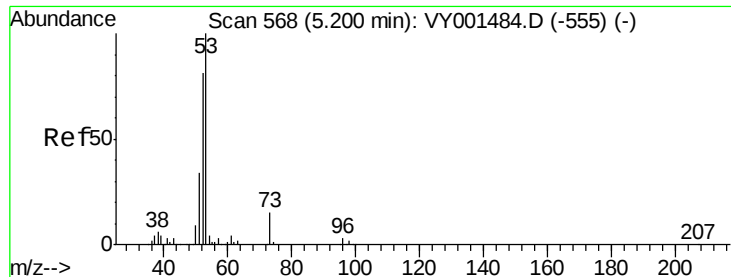
Ion Ratio Lower Upper

41 100

39 64.6 53.0 79.6

76 36.2 32.6 48.8





#15

Acrylonitrile

Concen: 120.443 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001553.D

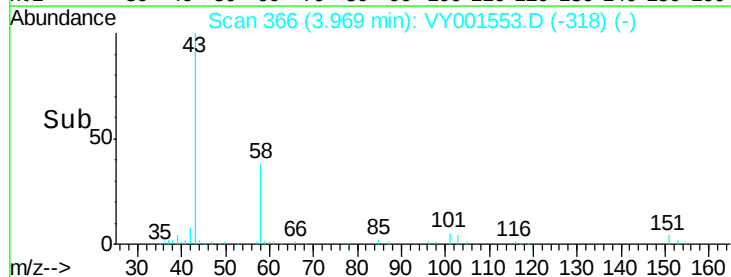
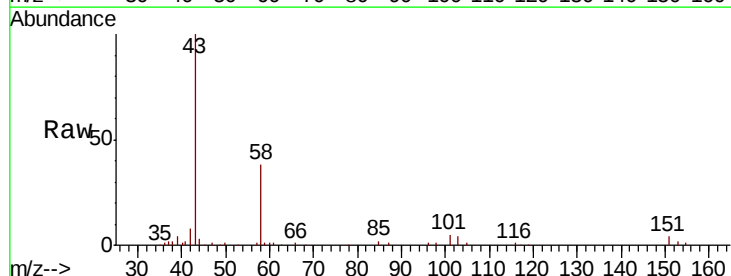
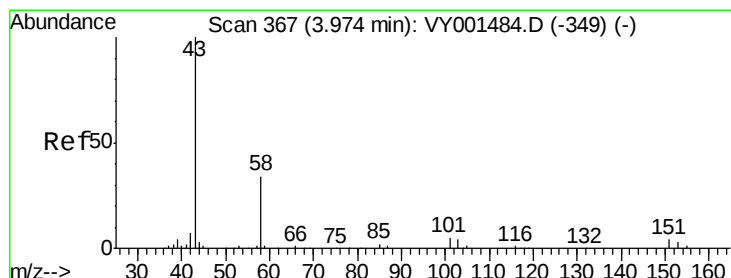
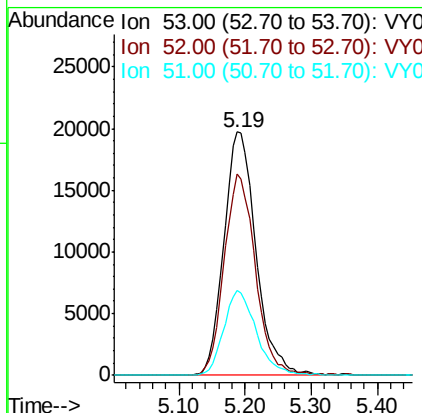
Acq: 07 Feb 2020 14:54

Tot Ion:	53	Resp:	66471
Ion Ratio	Lower	Upper	
53	100		
52	80.5	65.4	98.2
51	35.1	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 100.000 ug/l

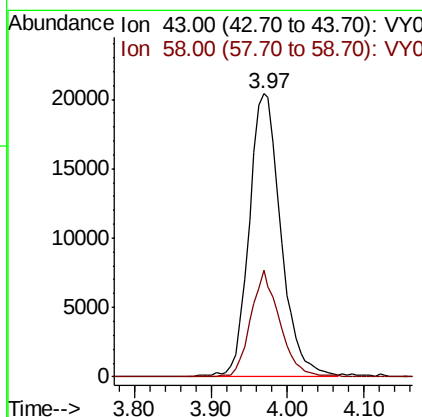
RT: 3.97 min Scan# 366

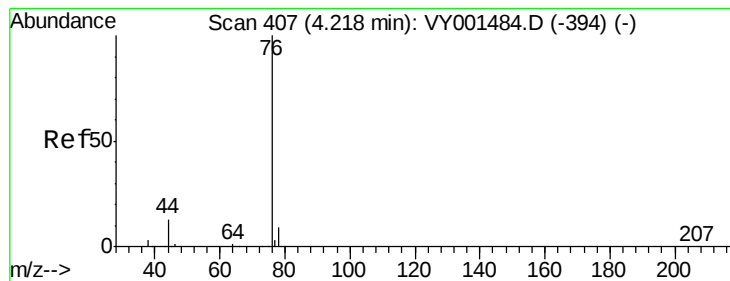
Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	43	Resp:	59087
Ion Ratio	Lower	Upper	
43	100		
58	37.8	27.5	41.3





#17

Carbon Disulfide

Concen: 19.472 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion: 76 Resp: 132219

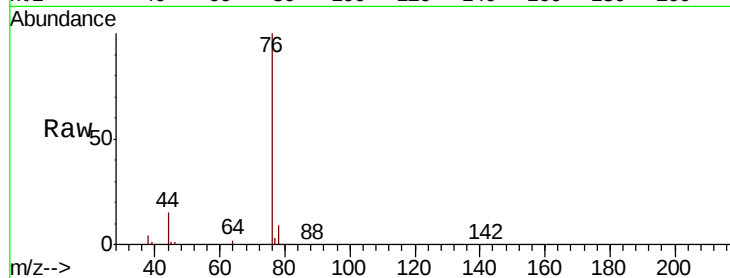
Ion Ratio Lower Upper

76 100

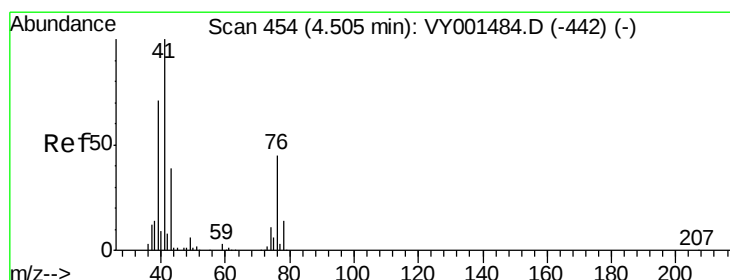
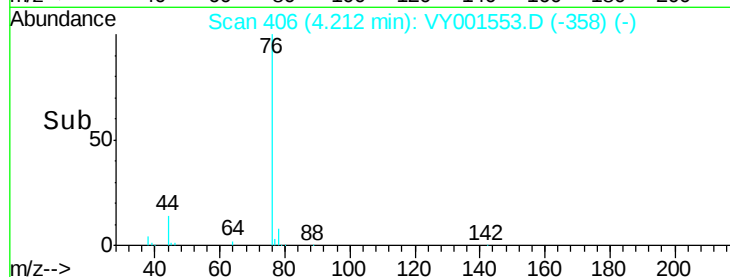
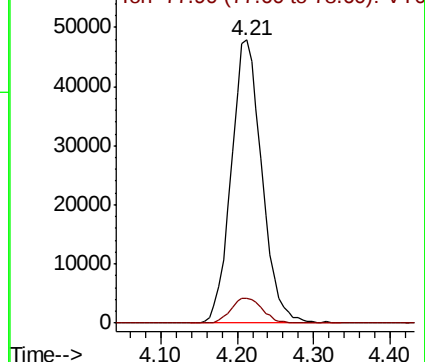
78 8.9 7.0 10.6

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:15 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0
Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 24.810 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001553.D

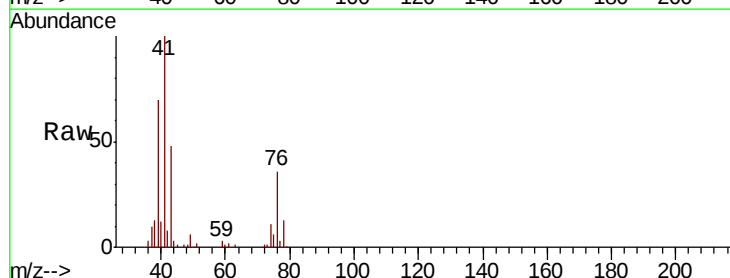
Acq: 07 Feb 2020 14:54

Tgt Ion: 43 Resp: 31283

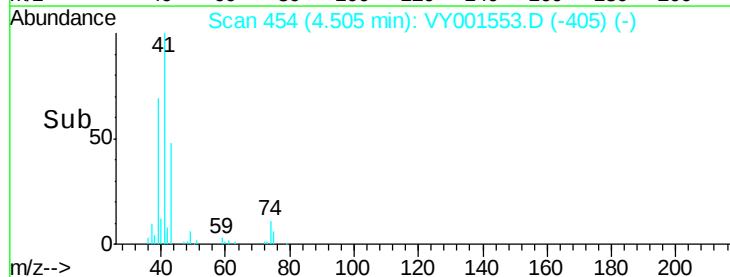
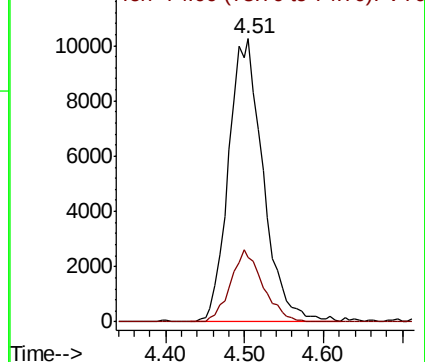
Ion Ratio Lower Upper

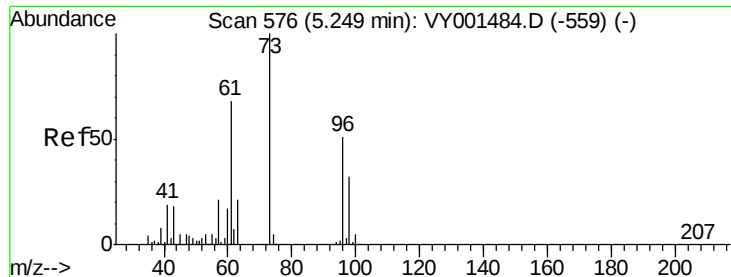
43 100

74 23.7 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 74.00 (73.70 to 74.70): VY0





#19

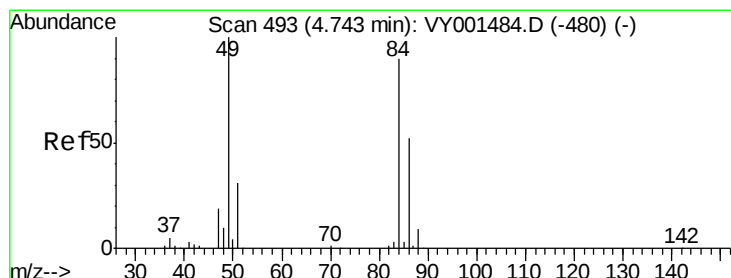
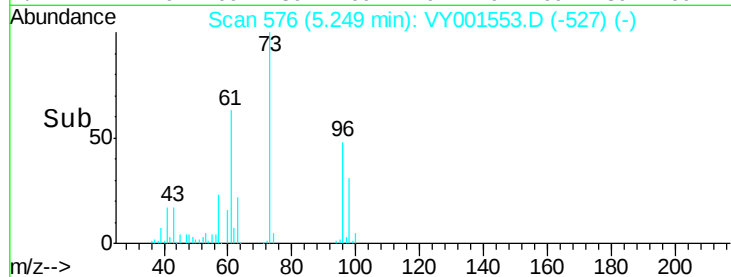
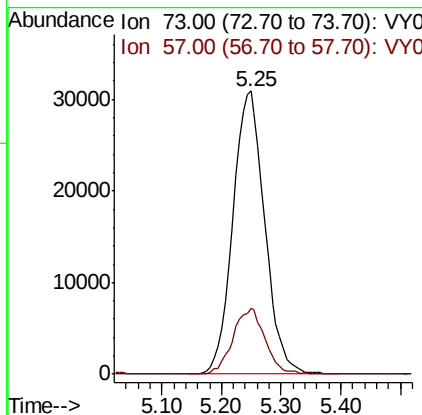
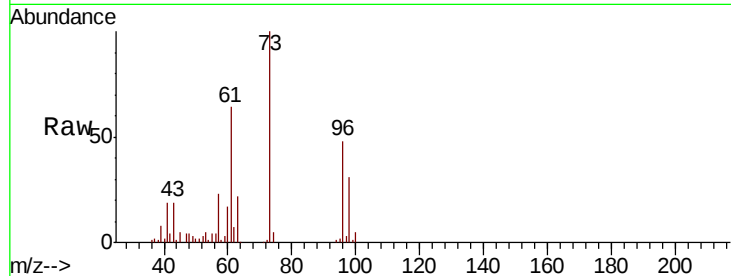
Methyl tert-butyl Ether
 Concen: 20.213 ug/l
 RT: 5.25 min Scan# 576
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.0	25.6

Manual Integrations
 APPROVED

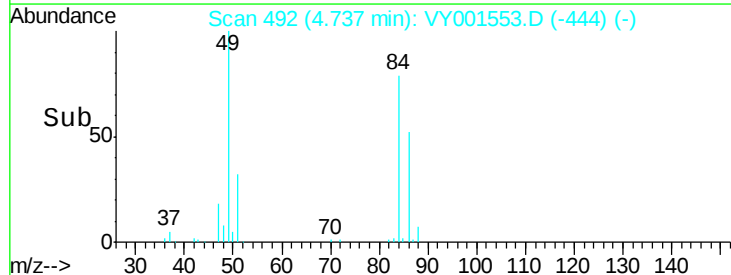
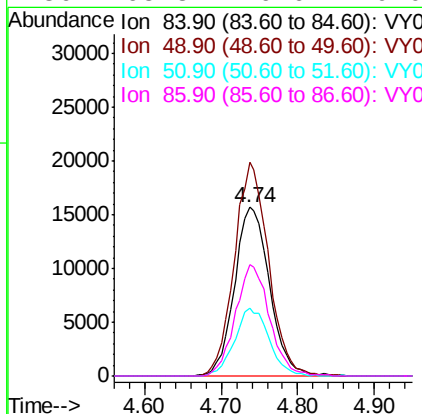
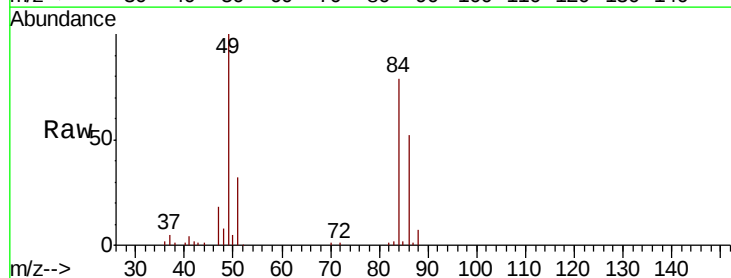
MMDadoda
 2/10/2020 11:27:15 AM

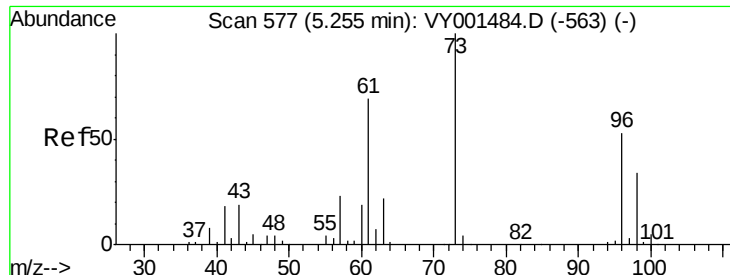


#20

Methylene Chloride
 Concen: 18.584 ug/l
 RT: 4.74 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	89.0	133.6
51	40.3	27.4	41.2
86	65.8	46.6	70.0





#21

trans-1,2-Dichloroethene

Concen: 19.668 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion: 96 Resp: 46638

Ion Ratio Lower Upper

96 100

61 133.9 104.2 156.4

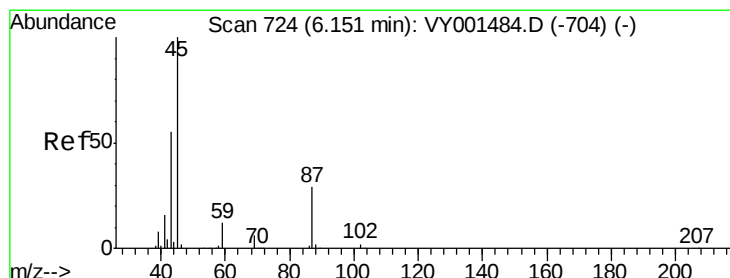
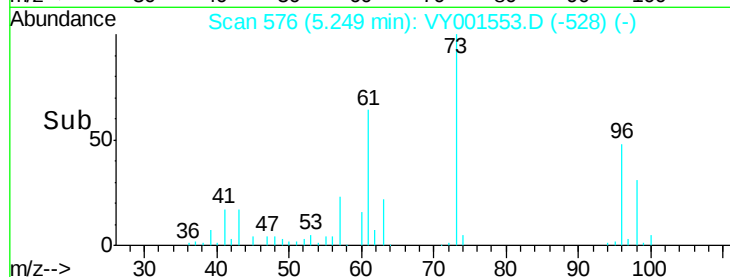
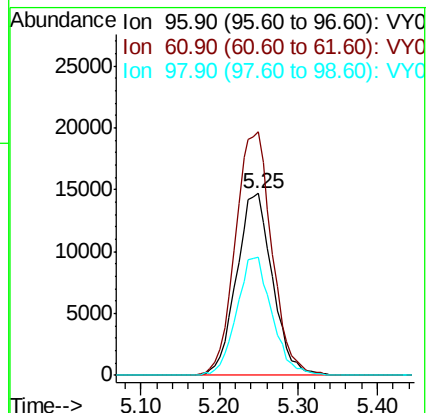
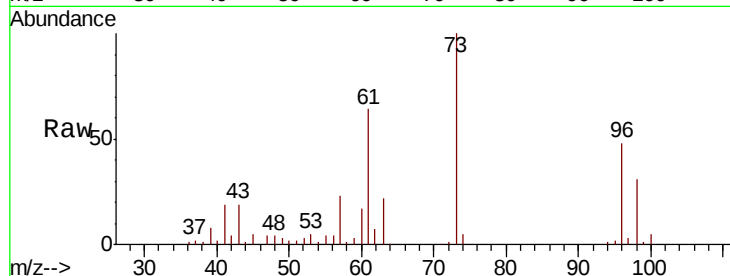
98 65.3 51.4 77.0

Manual Integrations

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MMDadoda

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#22

Diisopropyl ether

Concen: 22.947 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion: 45 Resp: 148345

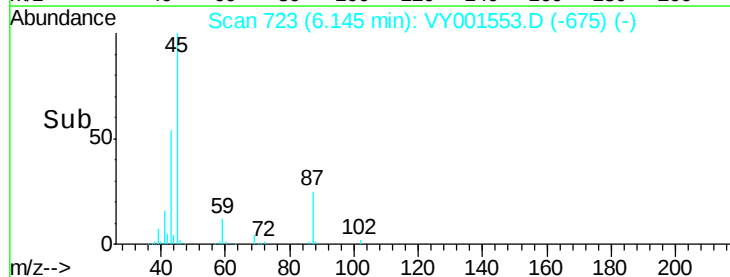
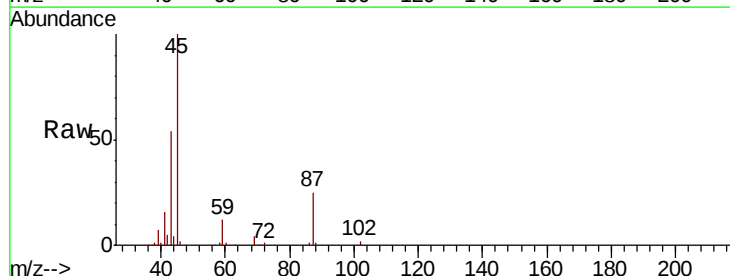
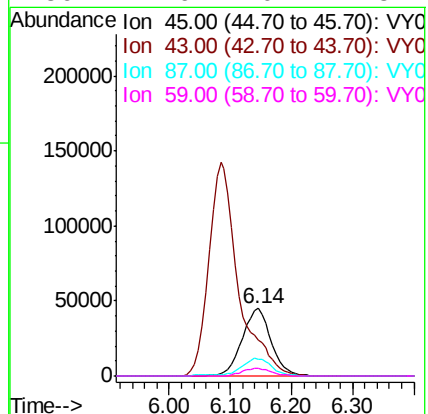
Ion Ratio Lower Upper

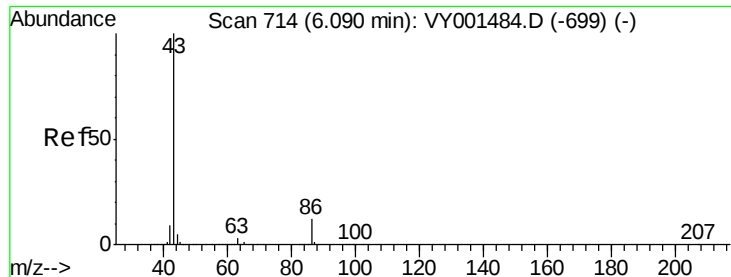
45 100

43 53.4 44.2 66.4

87 24.6 23.9 35.9

59 11.6 10.2 15.2





#23

Vinyl Acetate

Concen: 117.167 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 43 Resp: 482187

Ion Ratio Lower Upper

43 100

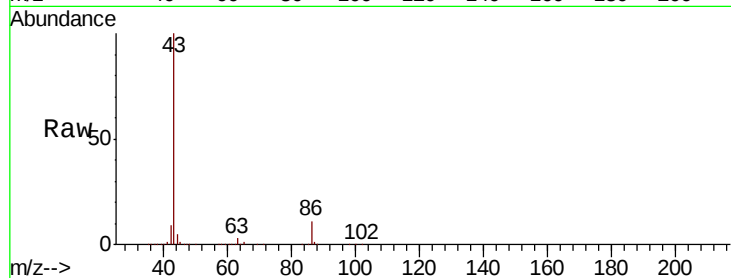
86 10.7 9.8 14.8

Manual Integrations

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MMDadoda

2/10/2020 11:27:15 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.08

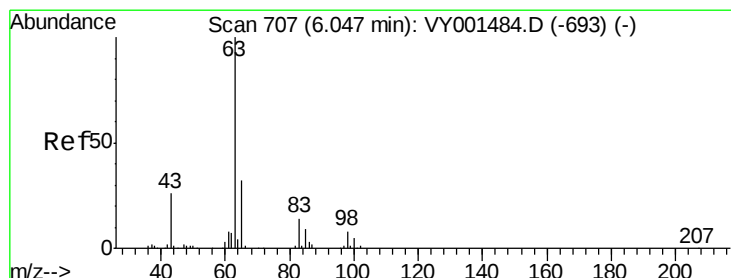
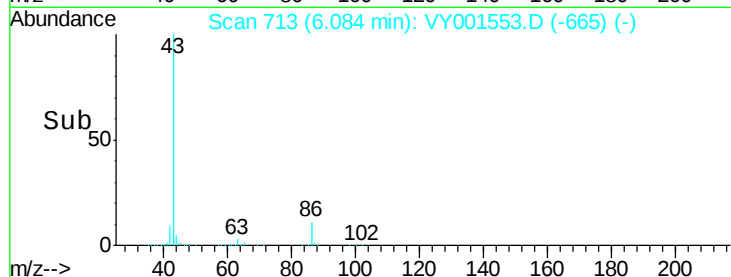
150000

100000

50000

0

Time--> 5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 20.152 ug/l

RT: 6.04 min Scan# 705

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

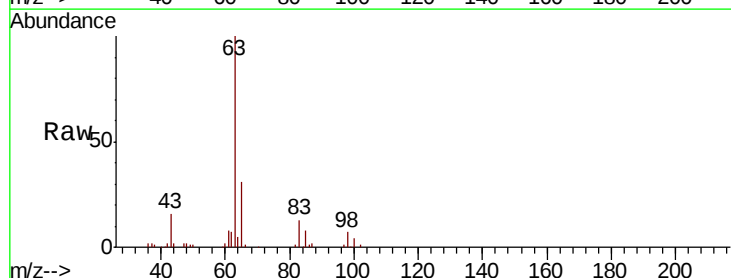
Tgt Ion: 63 Resp: 78359

Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

100 3.7 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.04

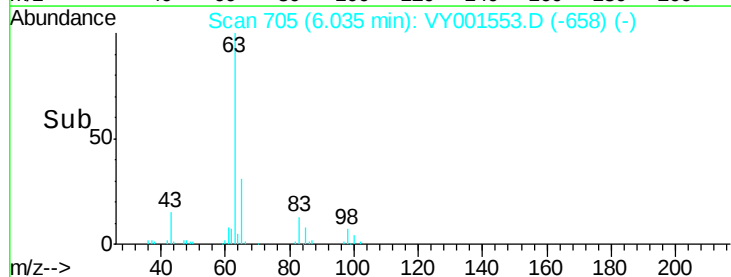
30000

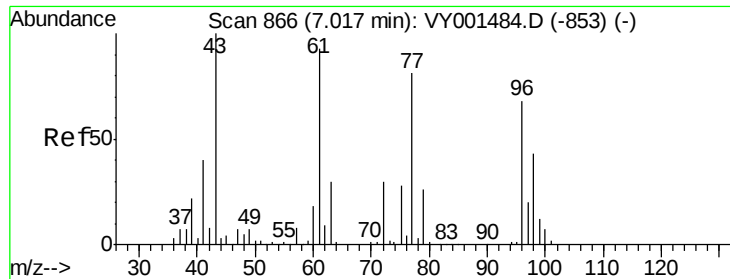
20000

10000

0

Time--> 5.90 6.00 6.10 6.20





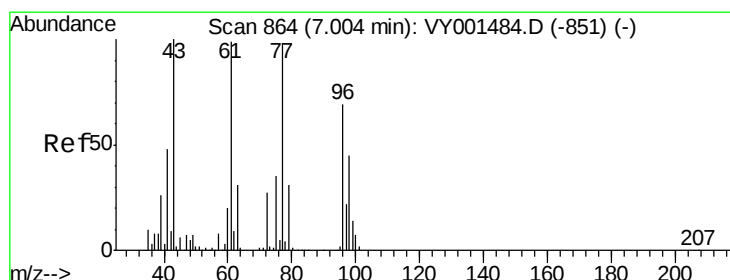
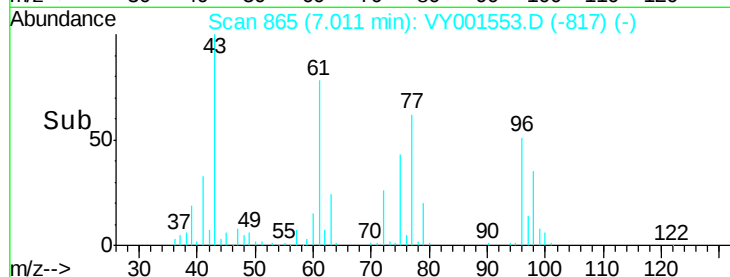
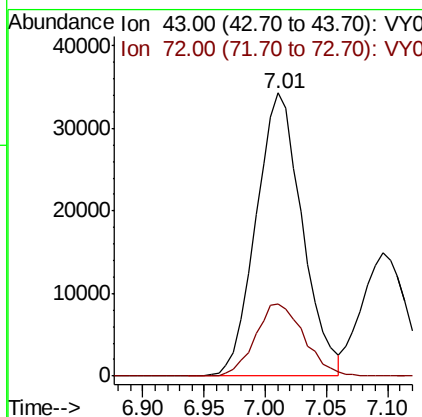
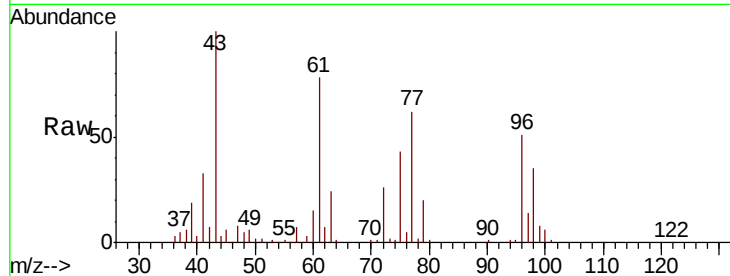
#25
2-Butanone
Concen: 117.660 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 43 Resp: 90194
Ion Ratio Lower Upper
43 100
72 25.6 23.8 35.8

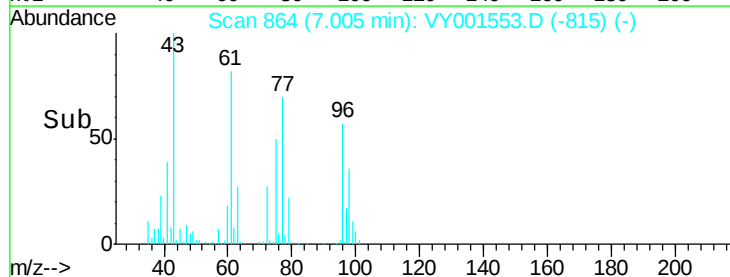
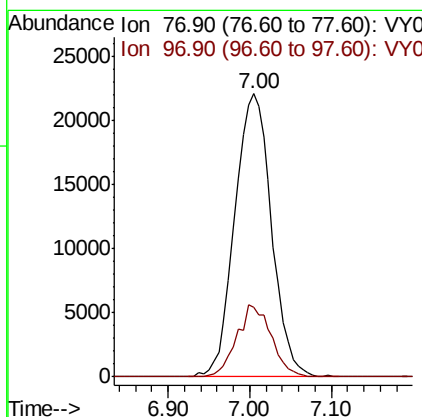
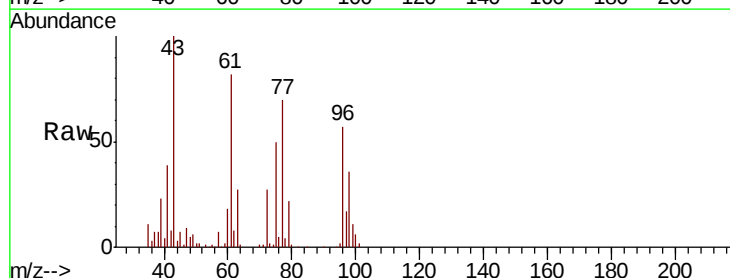
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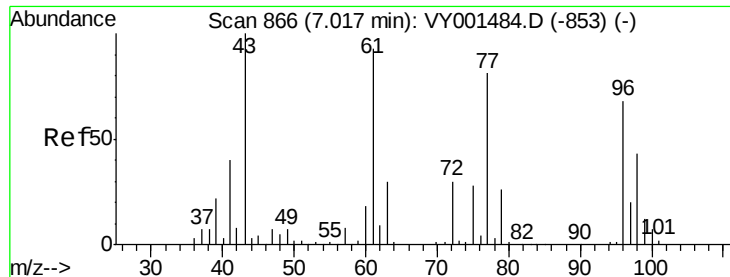
MMDadoda
2/10/2020 11:27:15 AM



#26
2,2-Dichloropropane
Concen: 18.487 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion: 77 Resp: 68799
Ion Ratio Lower Upper
77 100
97 23.9 11.7 35.0





#27

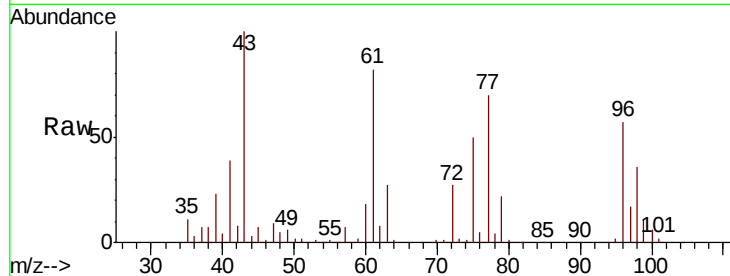
cis-1,2-Dichloroethene
Concen: 19.725 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

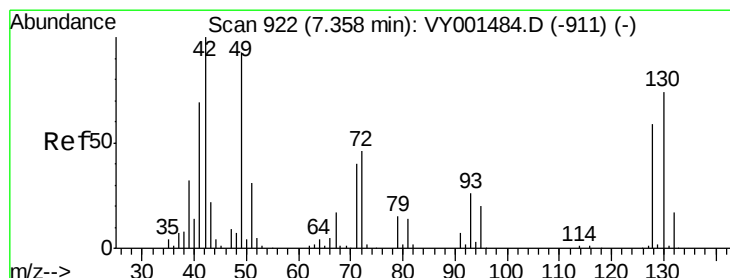
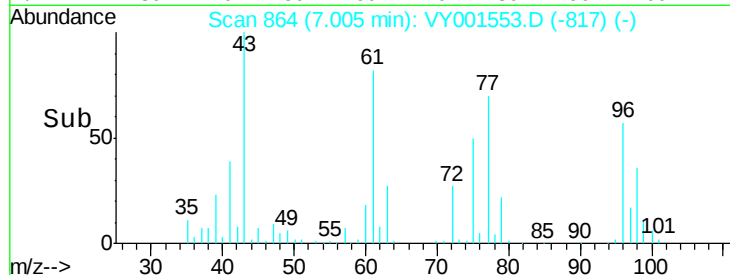
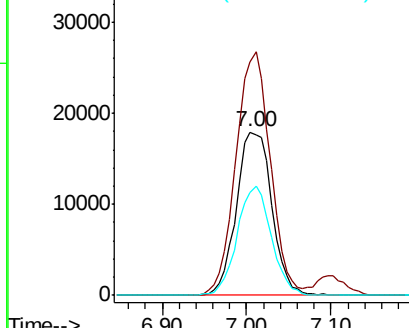
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.6	0.0	278.8
98	63.8	0.0	128.8

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2/10/2020 11:27:15 AM



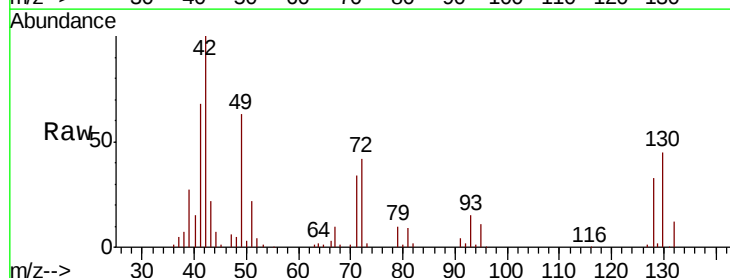
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



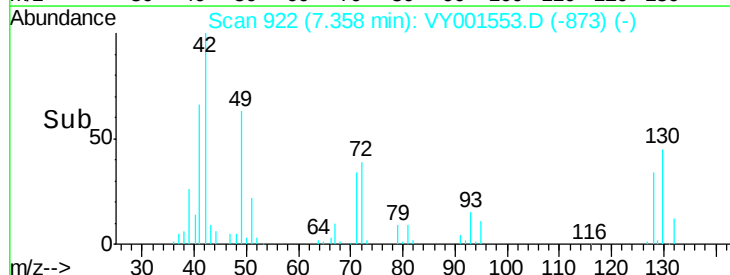
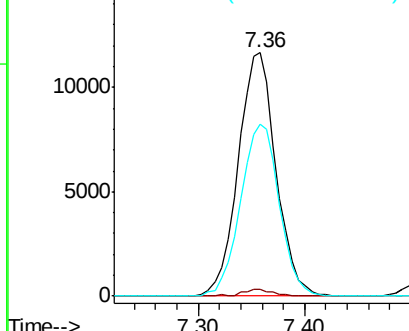
#28

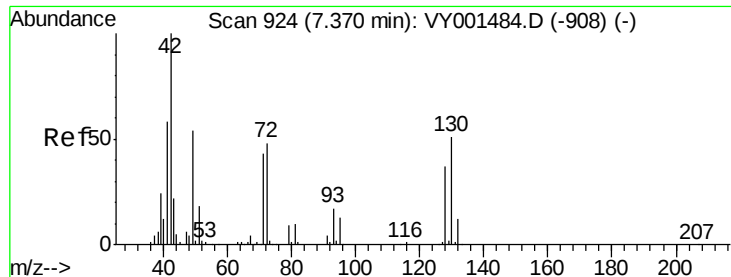
Bromochloromethane
Concen: 21.881 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.8
130	72.6	65.4	98.2



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0





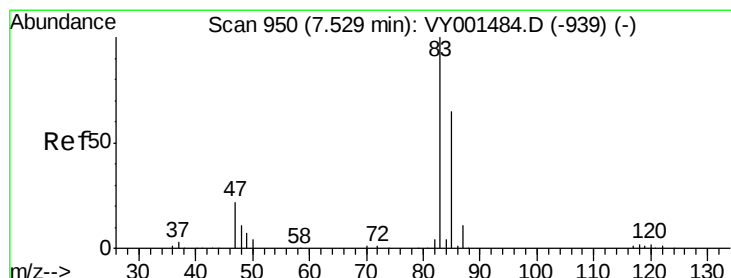
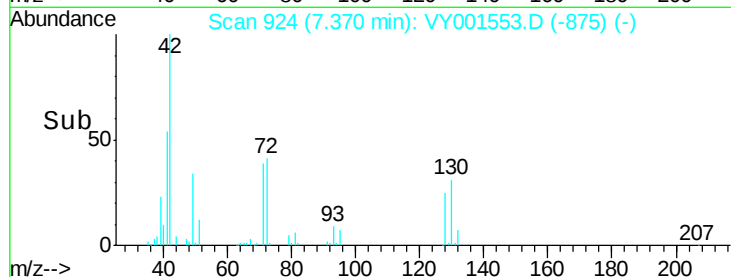
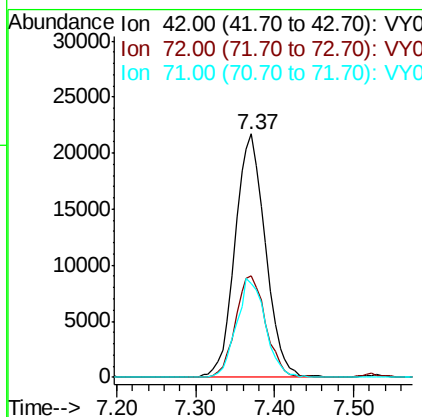
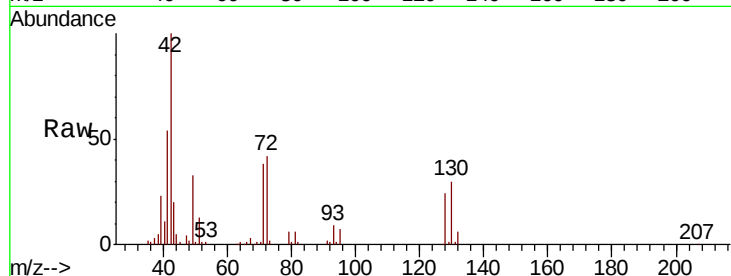
#29
Tetrahydrofuran
Concen: 126.922 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.5	37.8	56.6
71	38.4	34.8	52.2

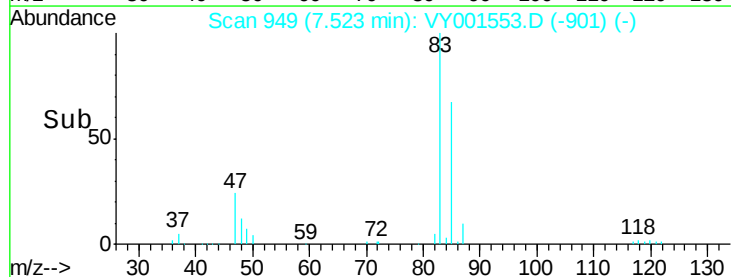
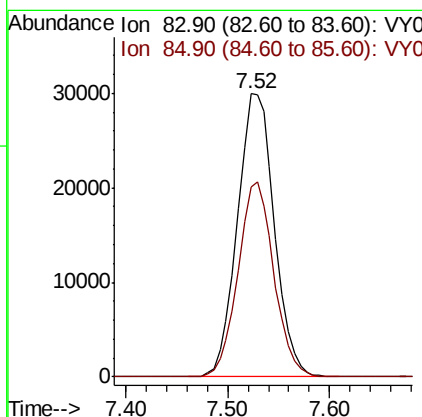
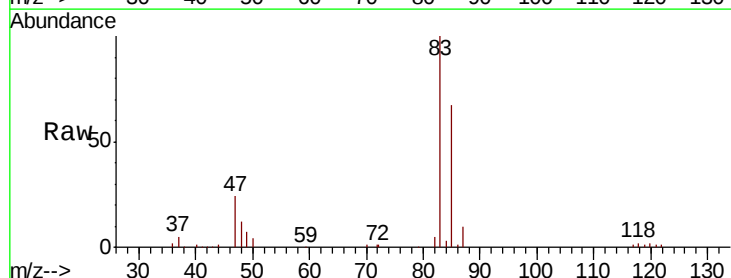
Manual Integrations
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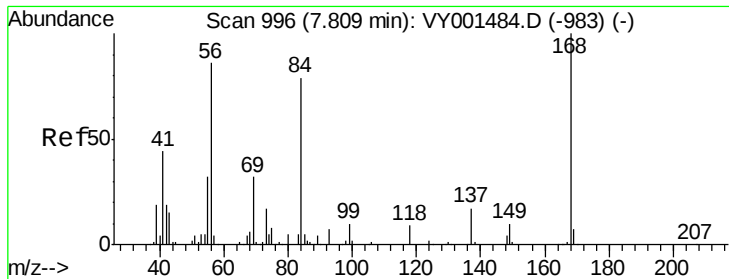
MMDadoda
2/10/2020 11:27:15 AM



#30
Chloroform
Concen: 19.108 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.4	78.6





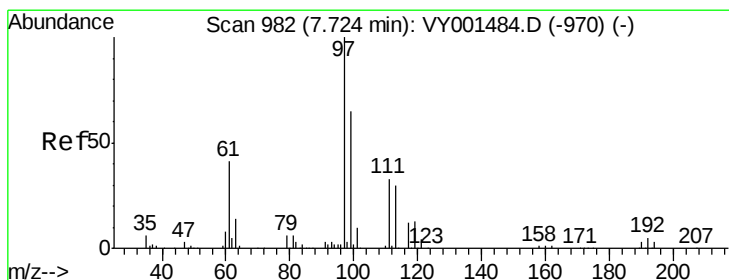
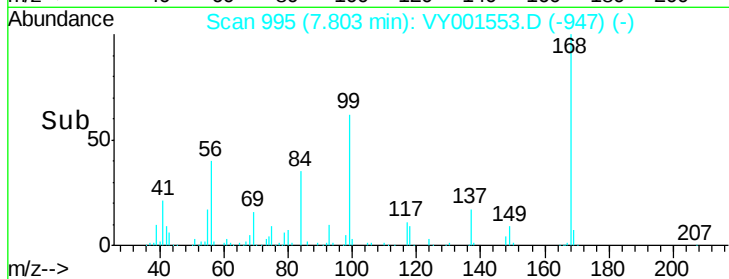
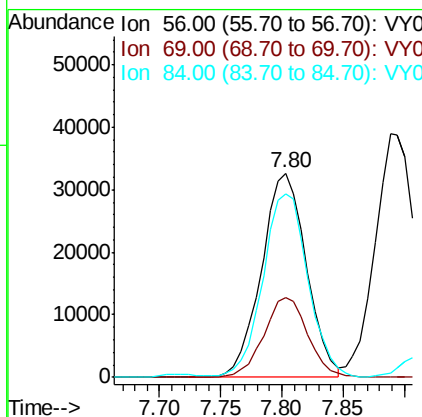
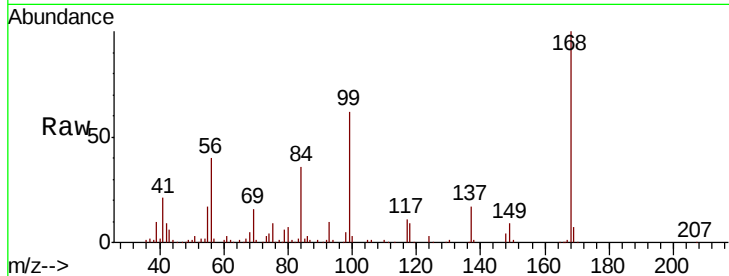
#31
Cyclohexane
Concen: 20.920 ug/l
RT: 7.80 min Scan# 995
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	29.6	44.4
84	88.2	73.6	110.4

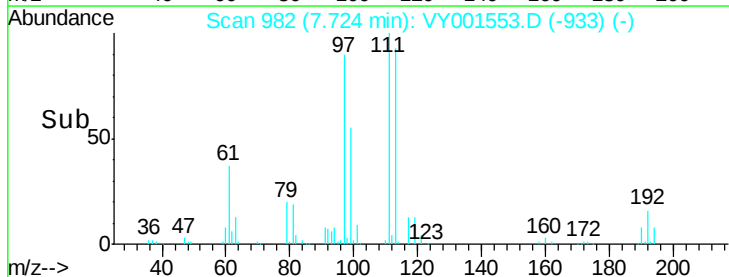
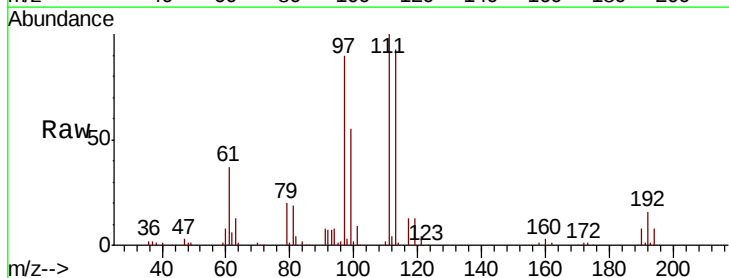
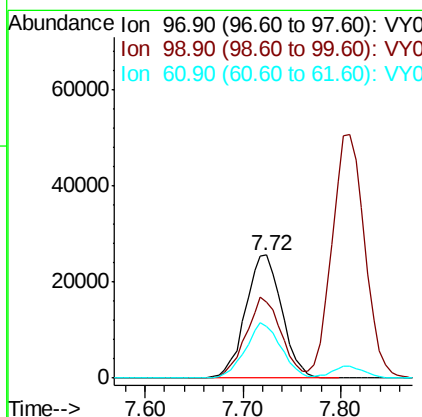
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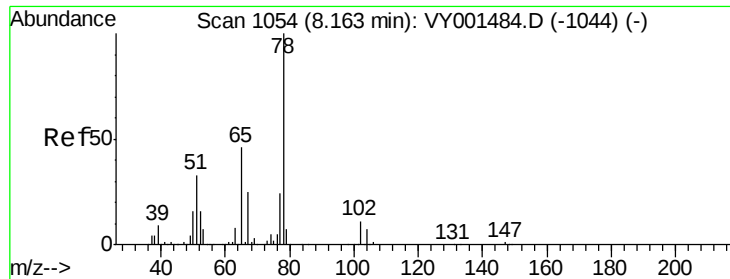
MMDadoda
2/10/2020 11:27:15 AM



#32
1,1,1-Trichloroethane
Concen: 18.551 ug/l
RT: 7.72 min Scan# 982
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.8
61	44.1	32.5	48.7





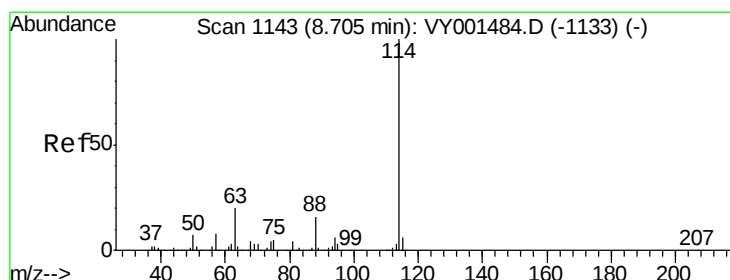
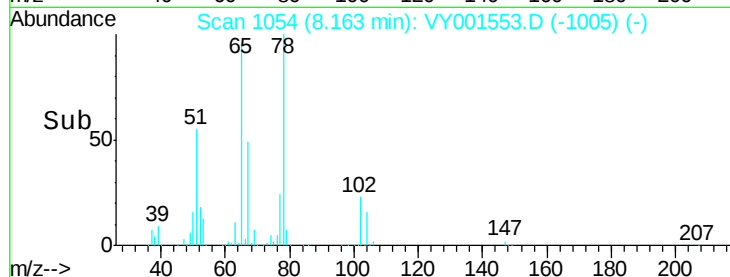
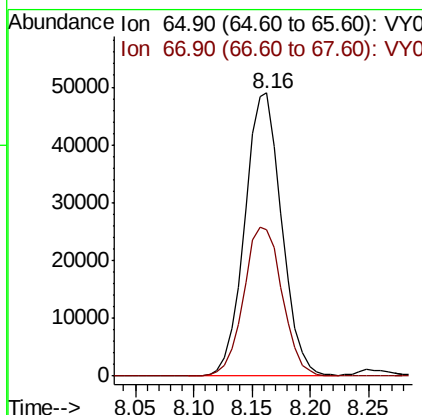
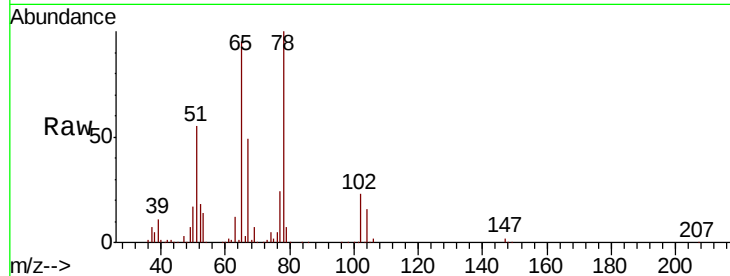
#33
 1,2-Dichloroethane-d4
 Concen: 53.049 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.9	0.0	108.6	

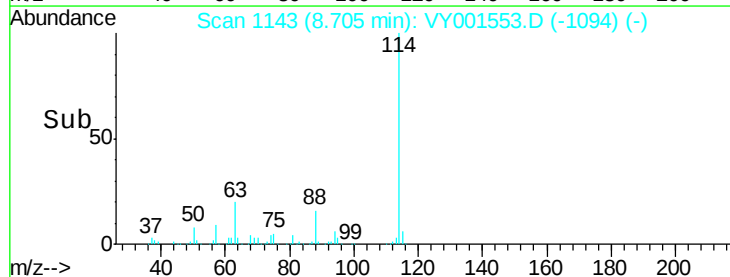
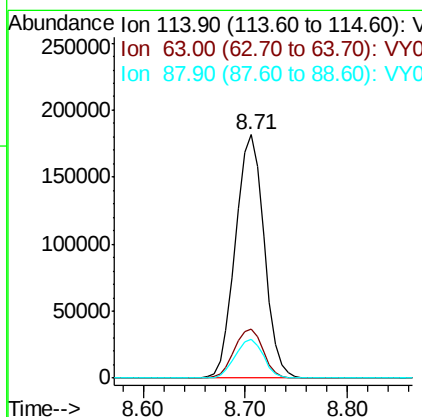
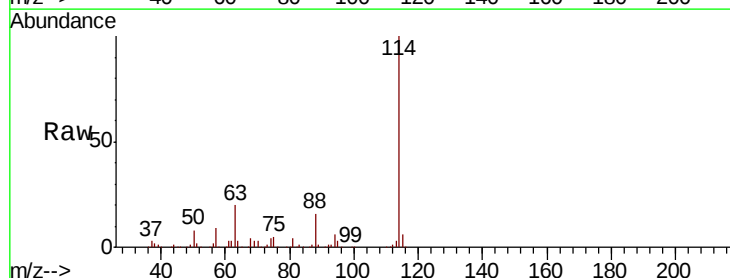
Manual Integrations
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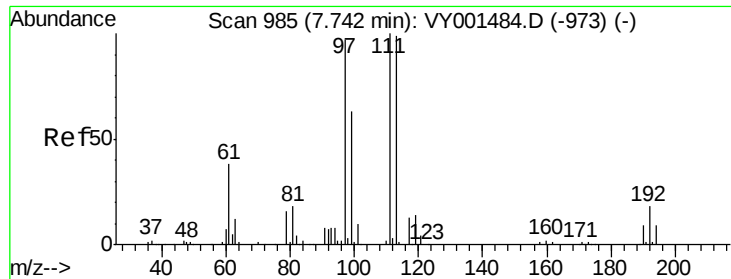
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 2/10/2020 11:27:15 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	39.8	
88	15.7	0.0	32.6	





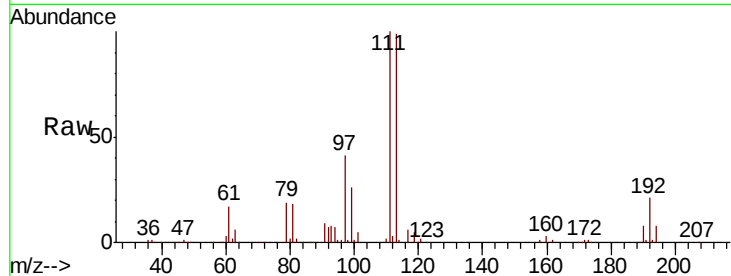
#35
Dibromofluoromethane
Concen: 48.168 ug/l
RT: 7.74 min Scan# 984
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98123		
111	104.5	82.9	124.3	
192	19.6	14.6	22.0	

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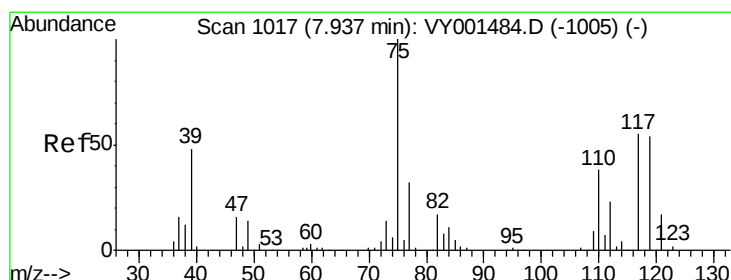
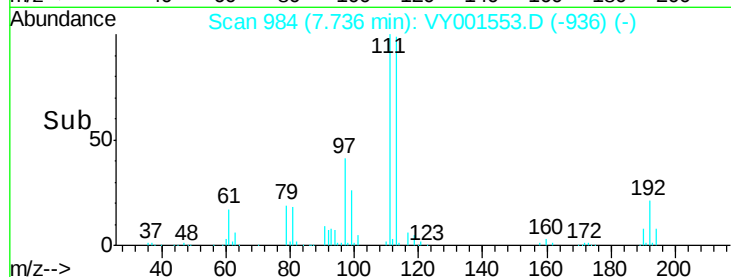
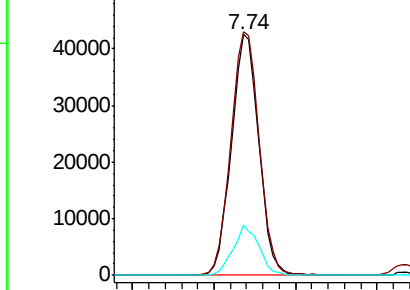


Abundance

Ion 112.80 (112.50 to 113.50): V

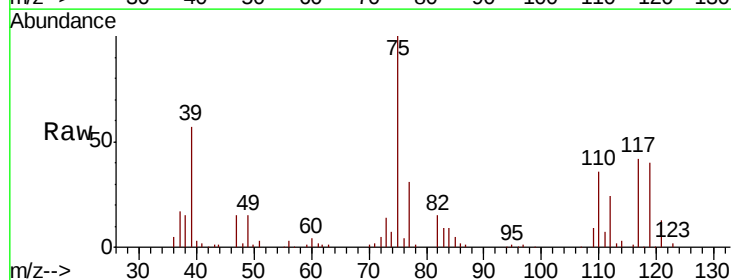
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 19.436 ug/l
RT: 7.94 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62810		
110	36.4	18.2	54.6	
77	31.2	25.0	37.4	

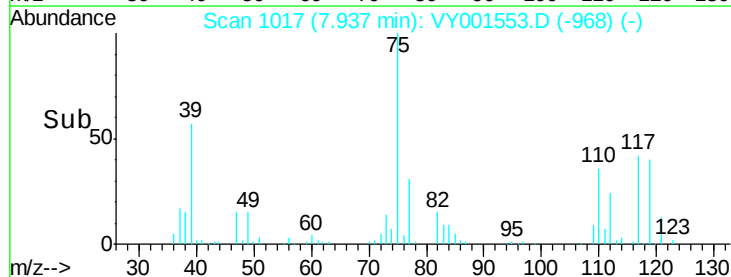
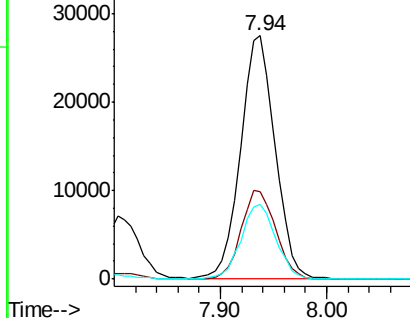


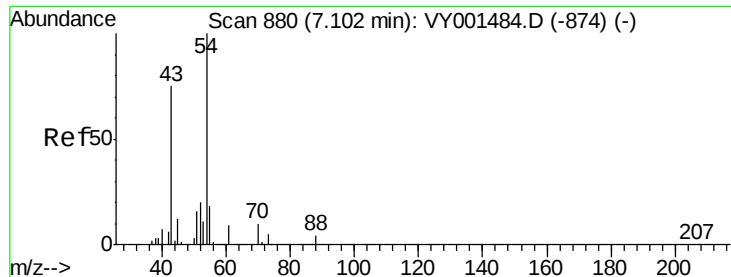
Abundance

Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0





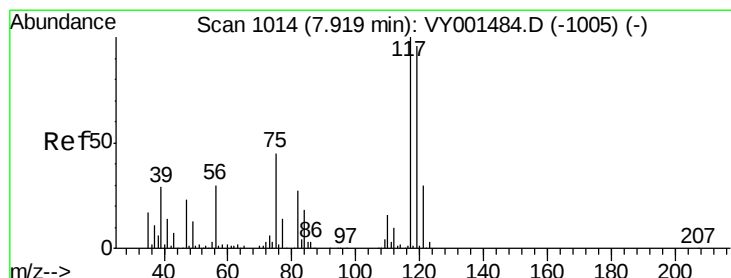
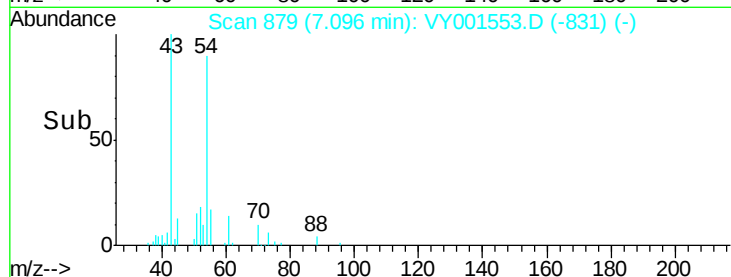
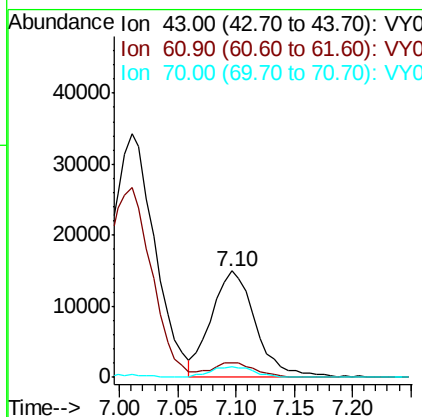
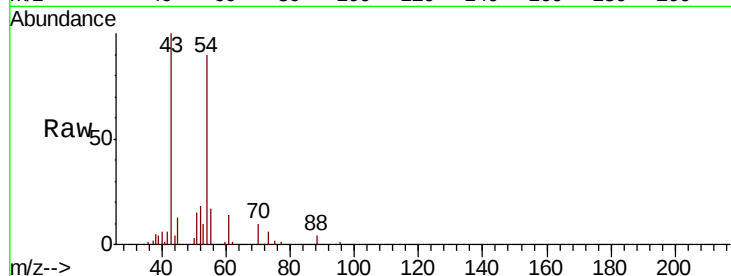
#37
Ethyl Acetate
Concen: 24.955 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.0	18.0
70	9.9	10.2	15.4

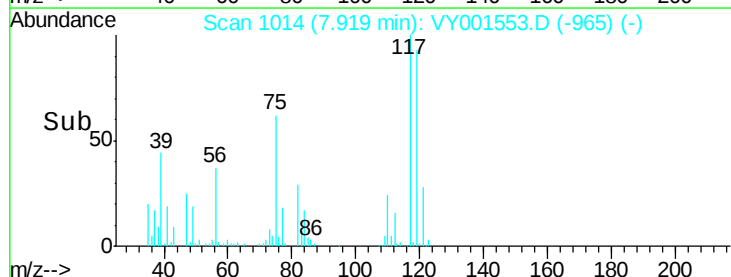
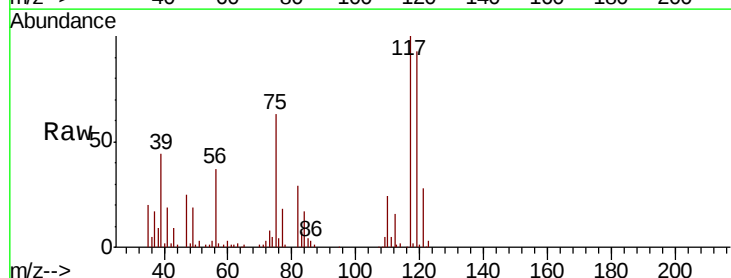
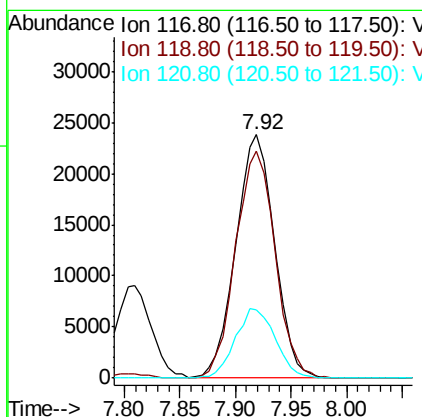
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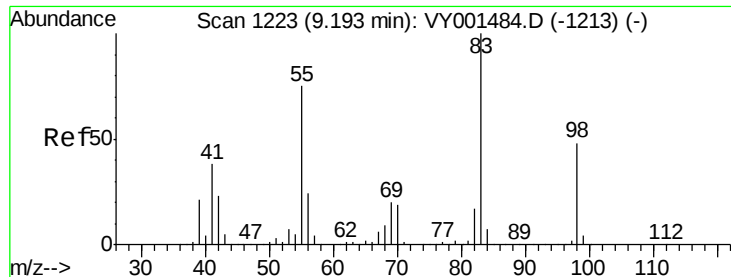
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2/10/2020 11:27:15 AM



#38
Carbon Tetrachloride
Concen: 18.466 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.4	114.6
121	27.8	24.2	36.4





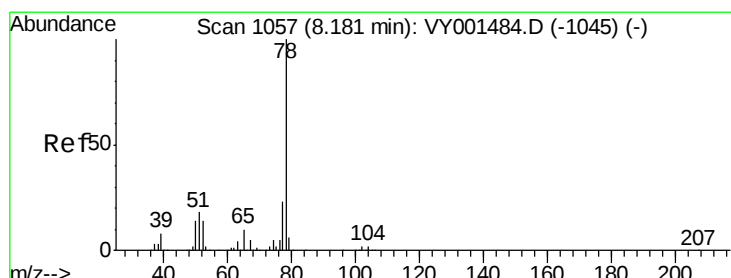
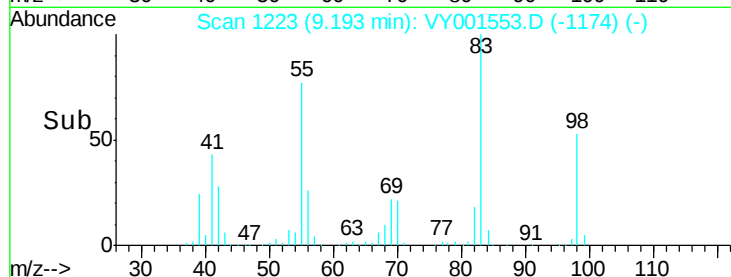
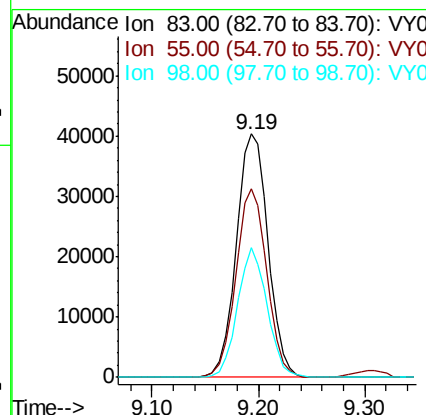
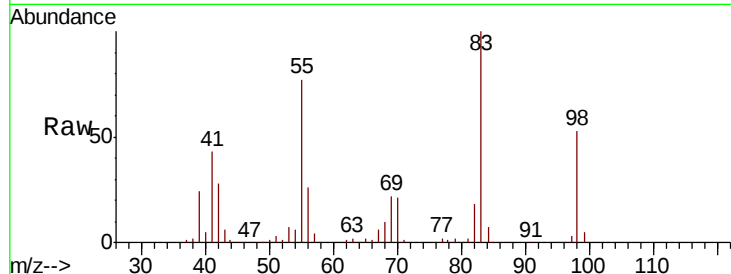
#39
Methvlcvclohexane
Concen: 19.799 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	59.8	89.6
98	53.2	38.6	57.8

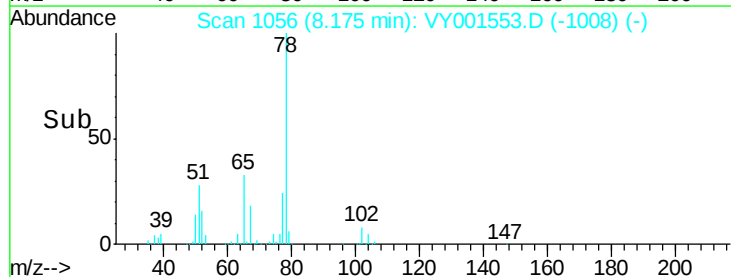
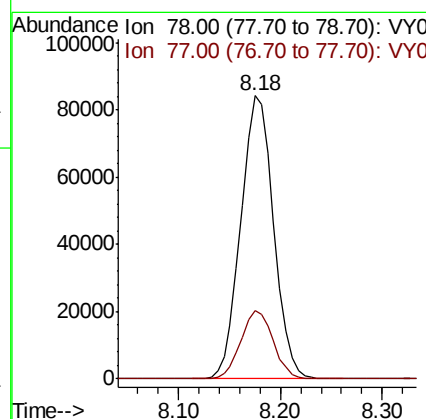
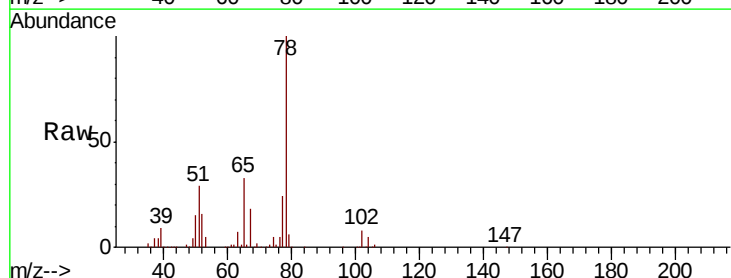
Manual Integrations
APPROVED

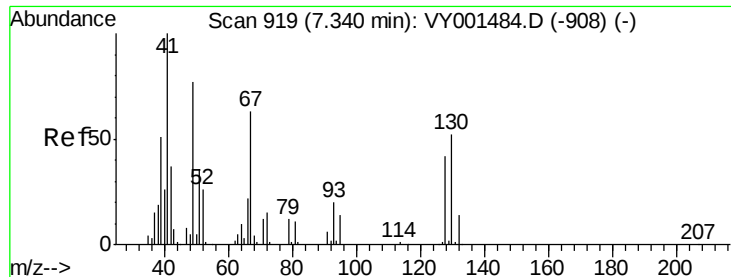
MMDadoda
2/10/2020 11:27:15 AM



#40
Benzene
Concen: 20.411 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.5	27.7





#41

Methacrylonitrile

Concen: 30.464 ug/l m

RT: 7.34 min Scan# 919

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 41 Resp: 22089

Ion Ratio Lower Upper

41 100

39 0.0 116.8 175.2#

67 0.0 0.0 0.0

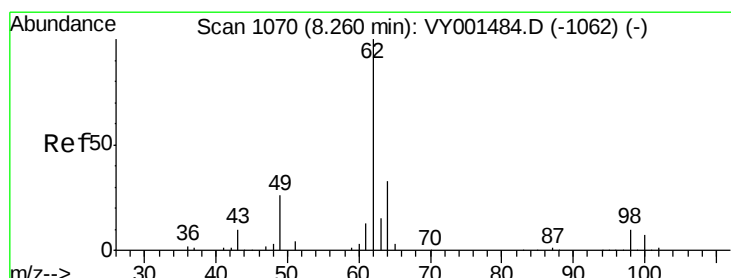
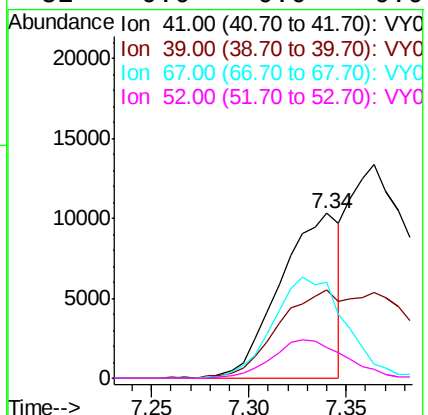
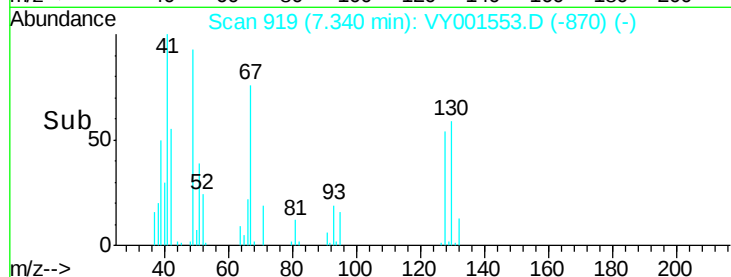
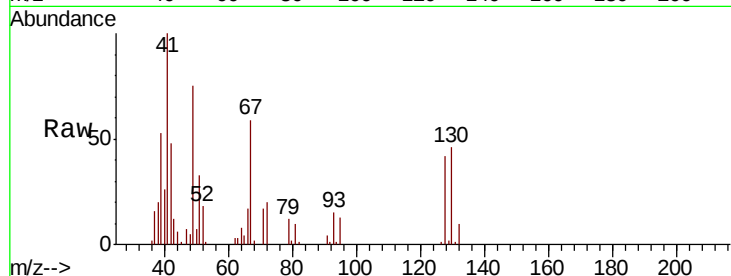
52 0.0 0.0 0.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.620 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001553.D

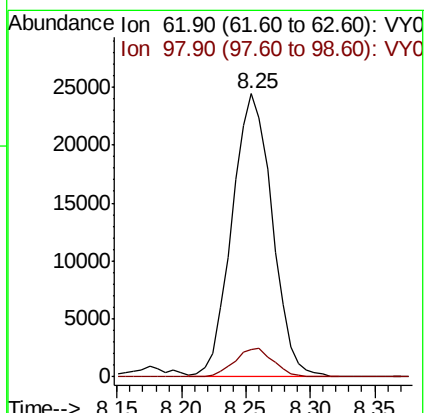
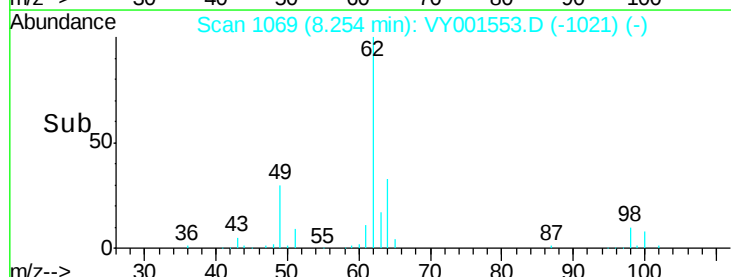
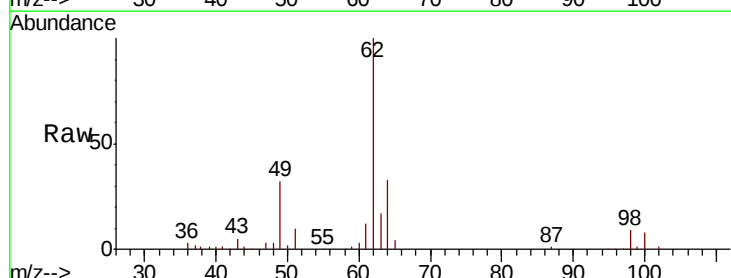
Acq: 07 Feb 2020 14:54

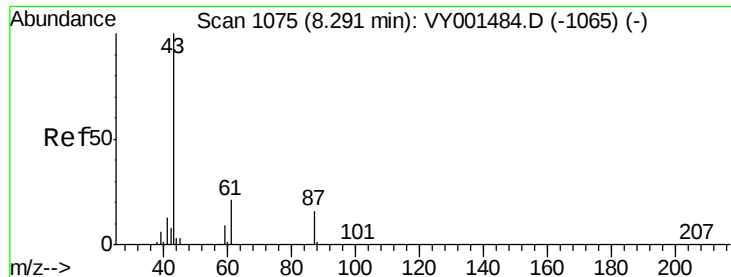
Tgt Ion: 62 Resp: 52955

Ion Ratio Lower Upper

62 100

98 9.8 0.0 21.0





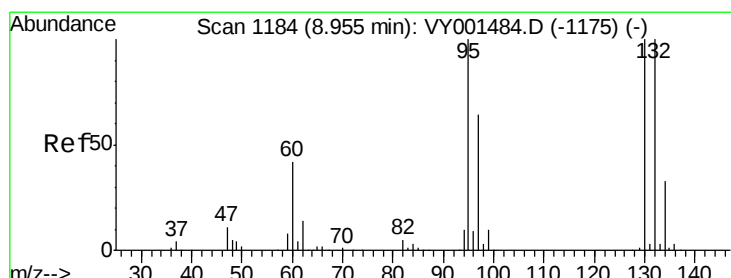
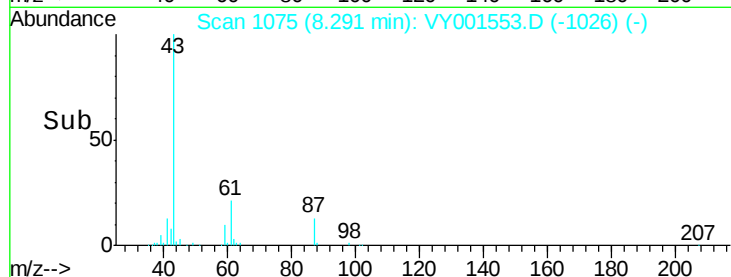
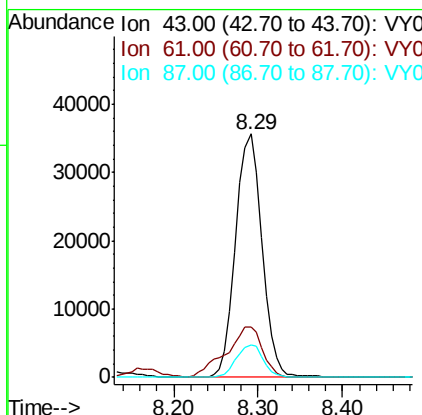
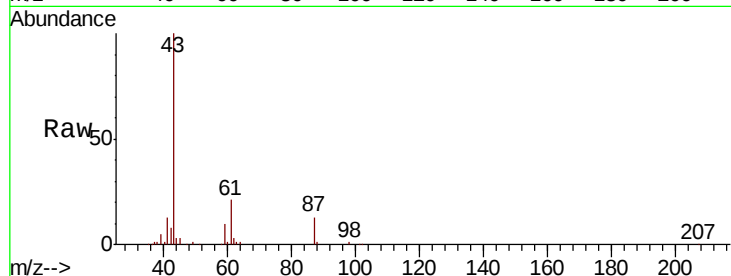
#43
Isopropyl Acetate
Concen: 24.371 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.5	25.1	37.7
87	13.4	12.6	19.0

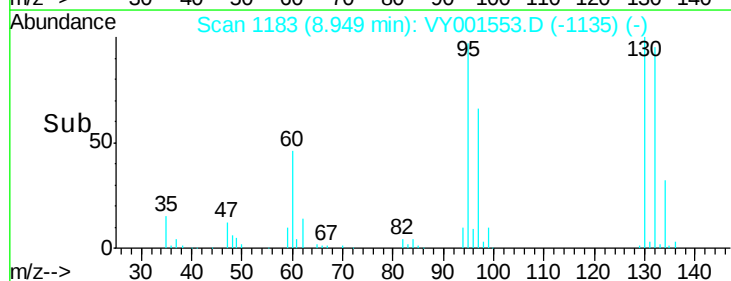
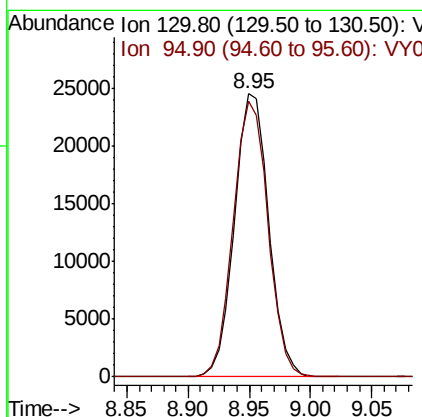
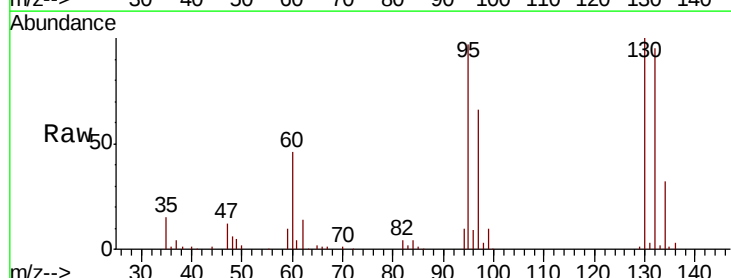
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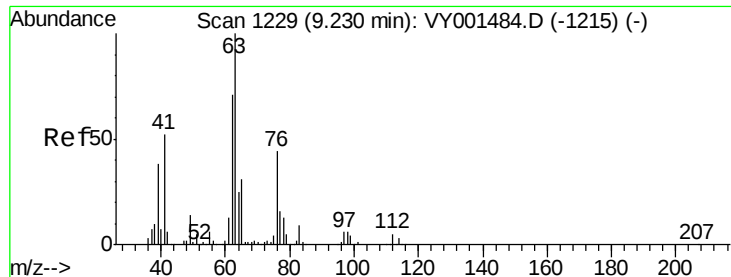
MMDadoda
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#44
Trichloroethene
Concen: 19.187 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.510 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 63 Resp: 47878

Ion Ratio Lower Upper

63 100

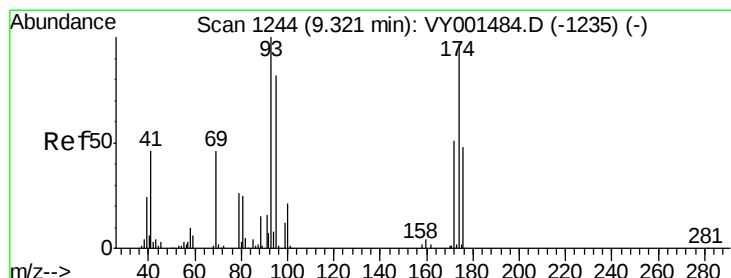
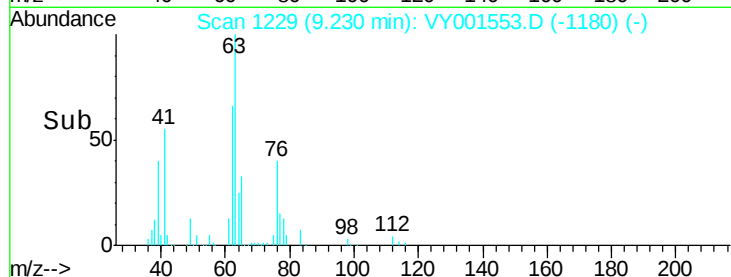
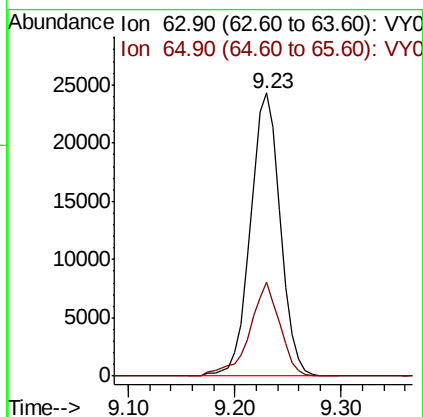
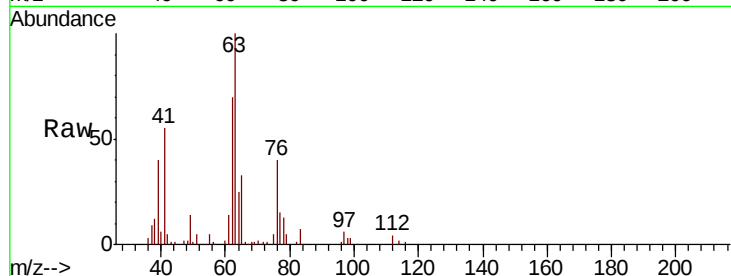
65 33.1 25.0 37.4

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#46

Dibromomethane

Concen: 20.559 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

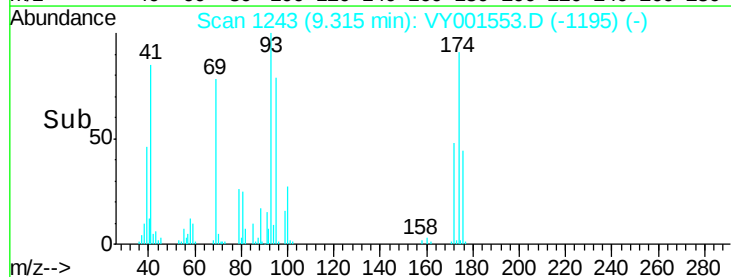
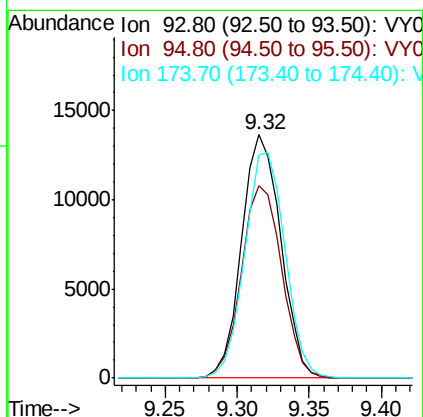
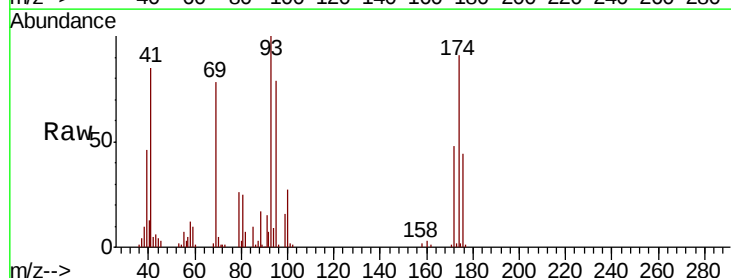
Tgt Ion: 93 Resp: 25697

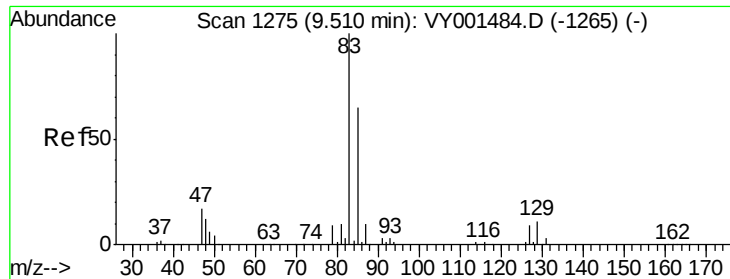
Ion Ratio Lower Upper

93 100

95 81.3 66.6 99.8

174 95.3 75.4 113.2





#47

Bromodichloromethane

Concen: 19.630 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

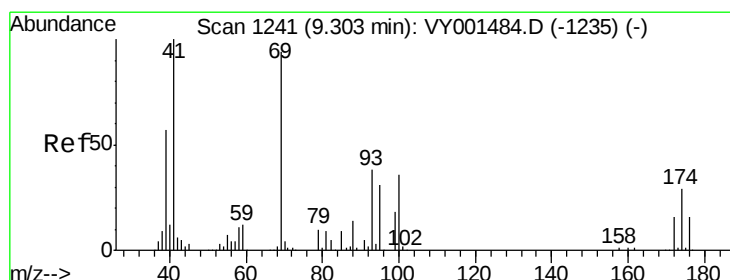
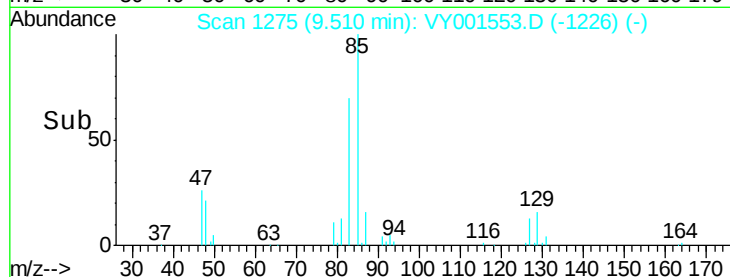
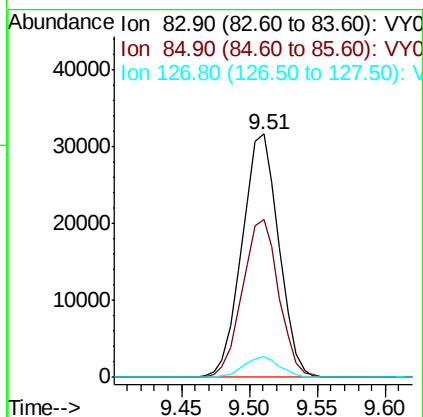
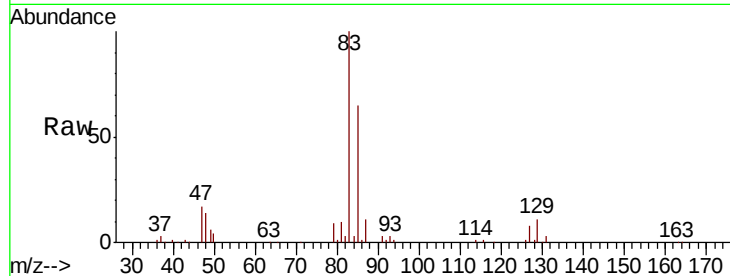
ClientSampleId :

VY0207SBS01

Tot Ion:	83	Resp:	59780
Ion Ratio	Lower	Upper	
83	100		
85	64.7	51.9	77.9
127	8.4	6.9	10.3

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#48

Methyl methacrylate

Concen: 24.018 ug/l

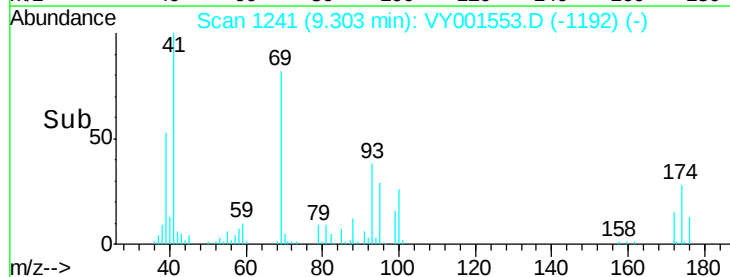
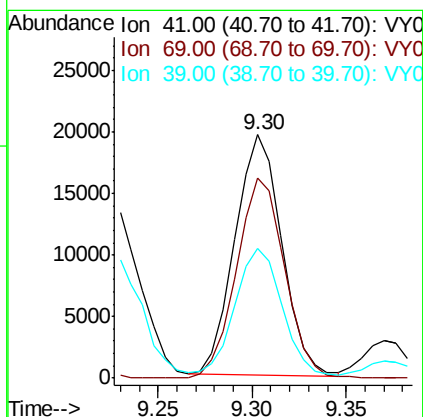
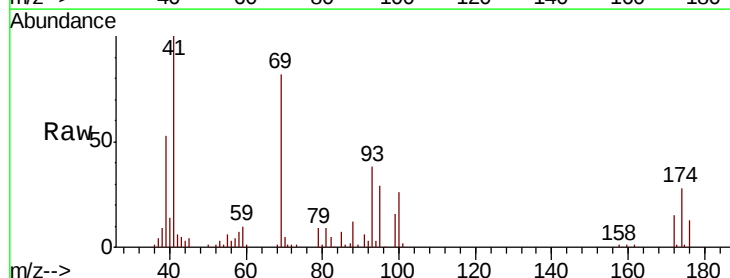
RT: 9.30 min Scan# 1241

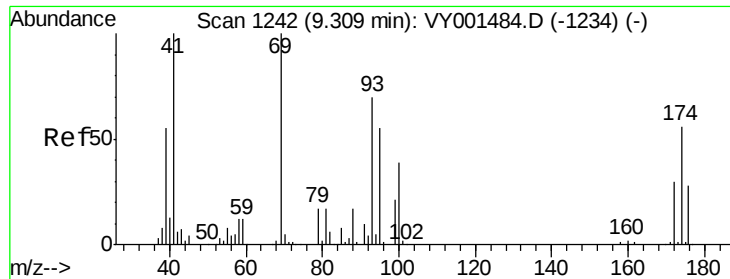
Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	41	Resp:	33766
Ion Ratio	Lower	Upper	
41	100		
69	85.2	76.6	114.8
39	52.1	45.4	68.0





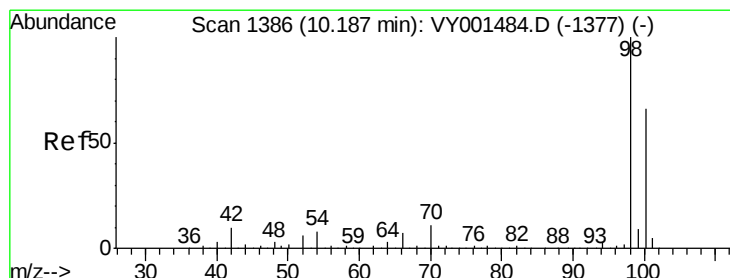
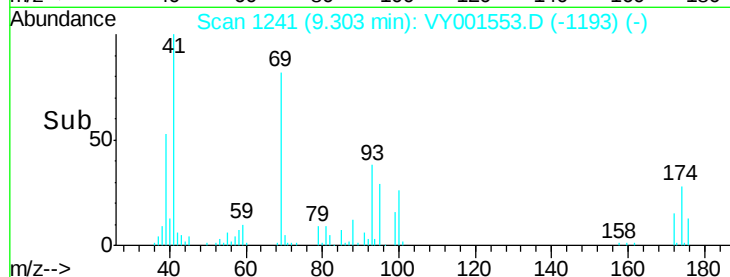
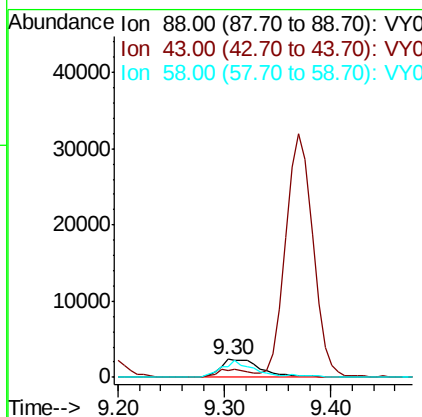
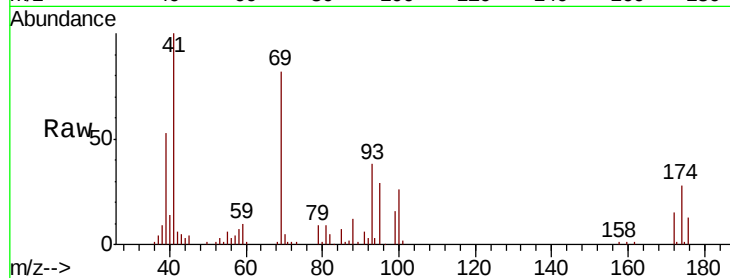
#49
1,4-Dioxane
Concen: 394.142 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	88	Resp	6506
Ion	Ratio	Lower	Upper
88	100		
43	34.0	24.8	37.2
58	71.3	59.3	88.9

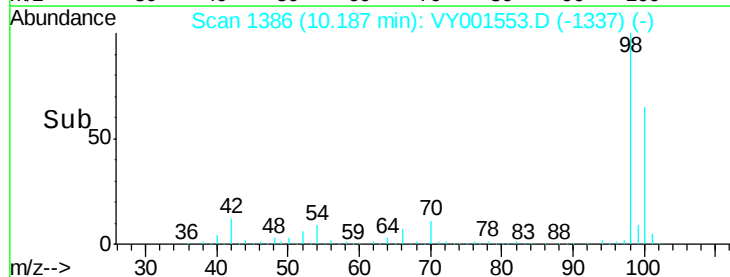
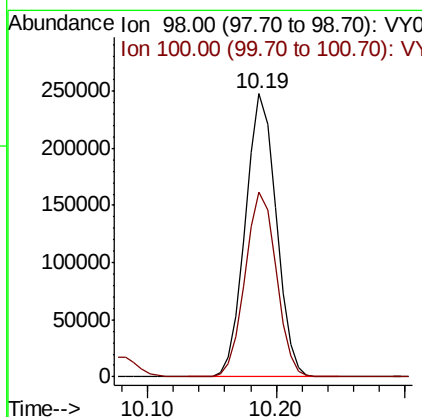
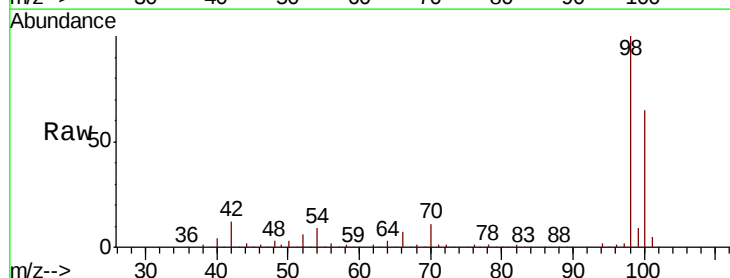
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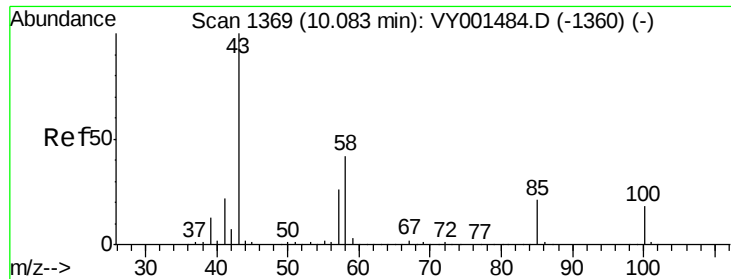
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#50
Toluene-d8
Concen: 53.088 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	98	Resp	409158
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.0	79.6





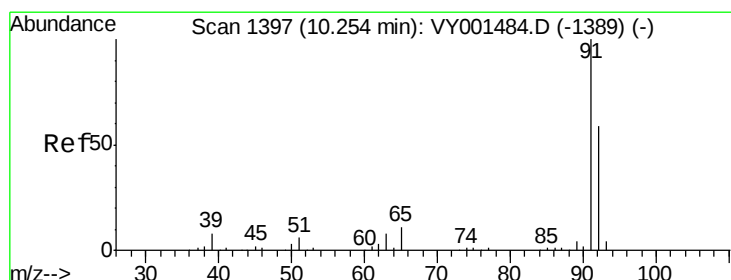
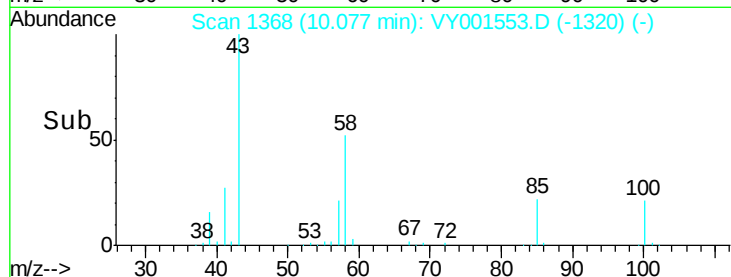
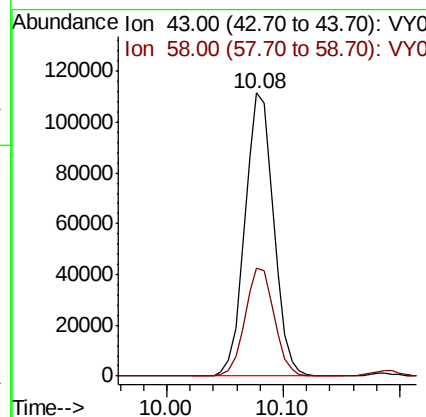
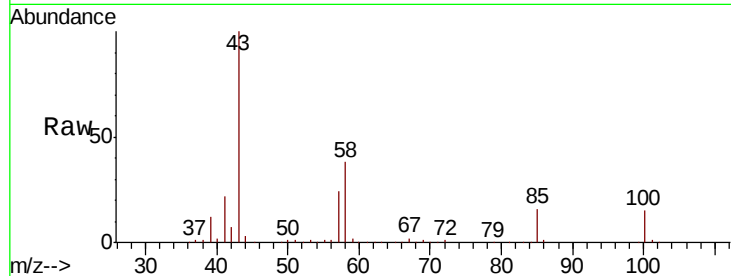
#51
4-Methyl-2-Pentanone
Concen: 126.072 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 43 Resp: 192317
Ion Ratio Lower Upper
43 100
58 38.8 33.9 50.9

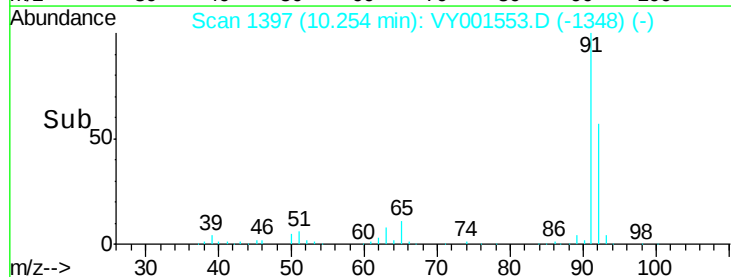
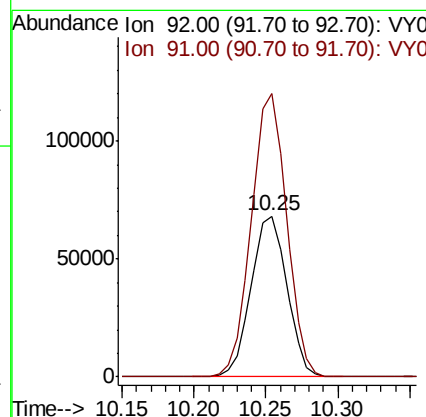
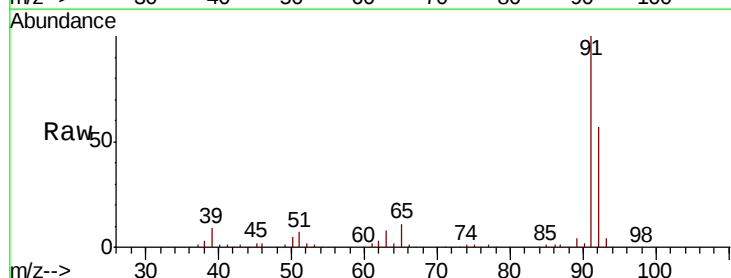
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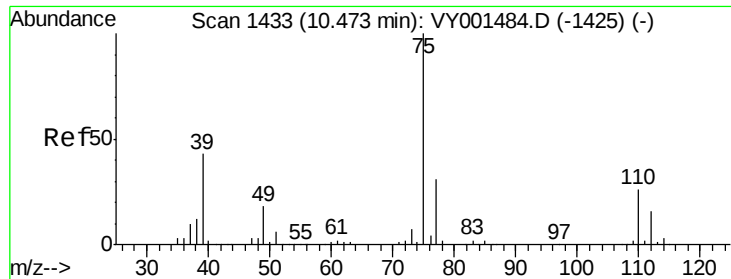
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#52
Toluene
Concen: 20.079 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion: 92 Resp: 117438
Ion Ratio Lower Upper
92 100
91 173.4 136.6 204.8





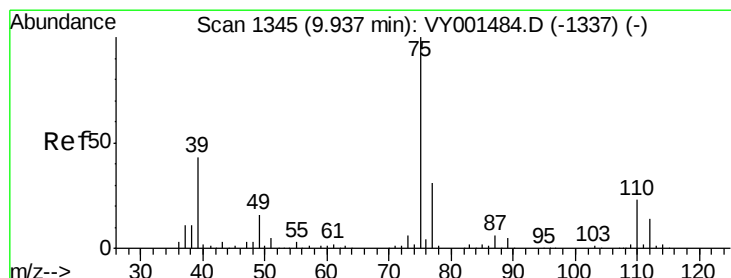
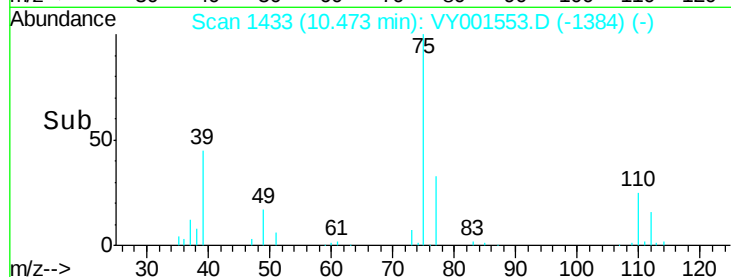
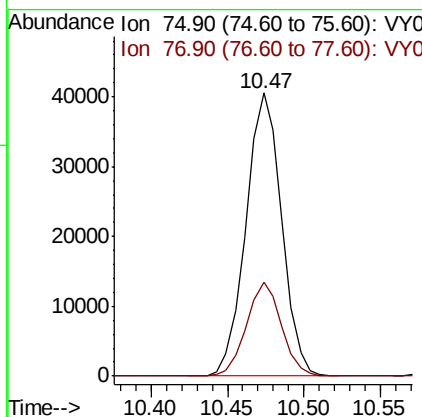
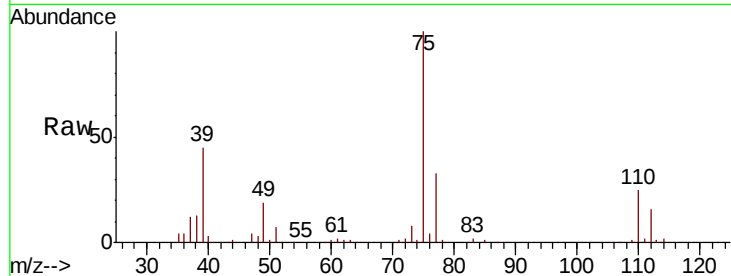
#53
t-1,3-Dichloropropene
Concen: 19.804 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 75 Resp: 65691
Ion Ratio Lower Upper
75 100
77 33.1 24.9 37.3

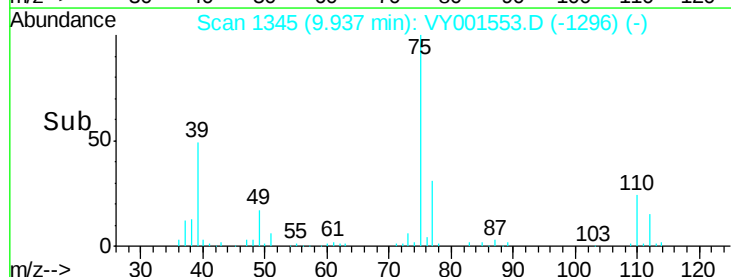
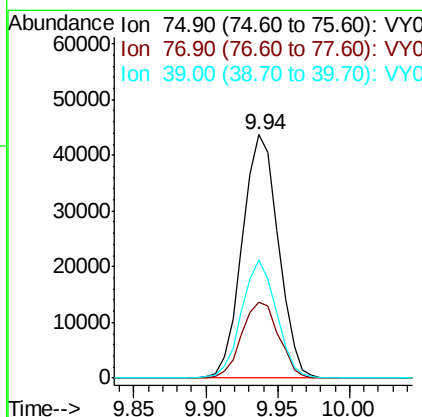
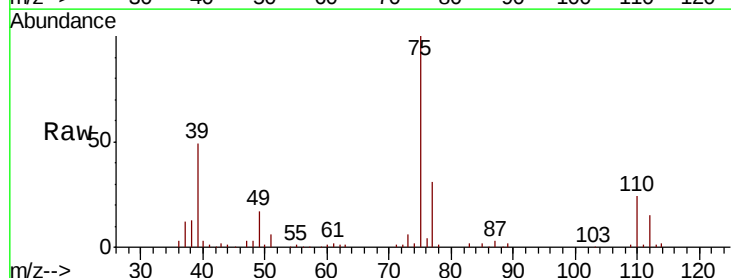
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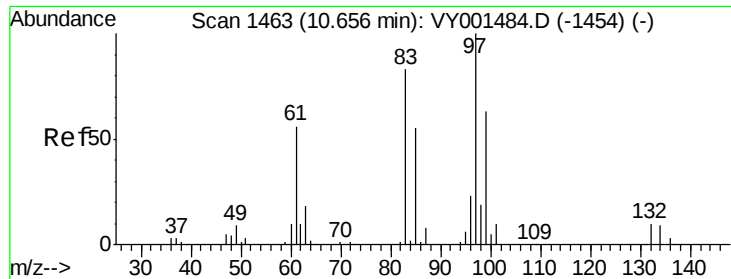
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#54
cis-1,3-Dichloropropene
Concen: 19.930 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion: 75 Resp: 75894
Ion Ratio Lower Upper
75 100
77 31.4 24.7 37.1
39 48.7 34.0 51.0





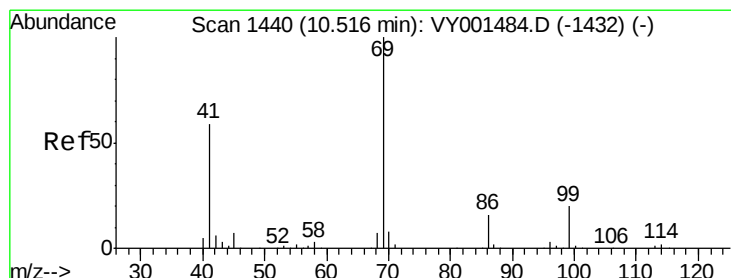
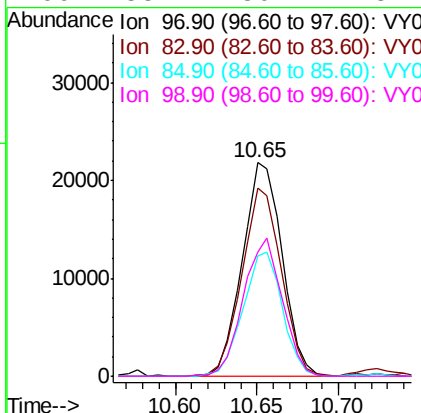
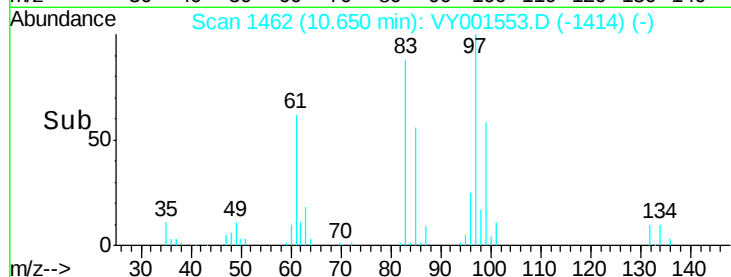
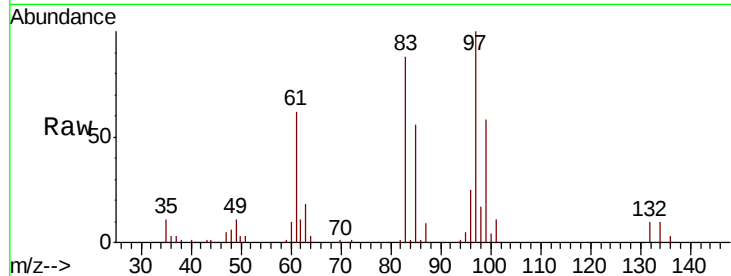
#55
 1,1,2-Trichloroethane
 Concen: 20.732 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion:	97	Resp:	37178
Ion	Ratio	Lower	Upper
97	100		
83	88.1	66.2	99.2
85	56.5	43.8	65.6
99	58.4	50.1	75.1

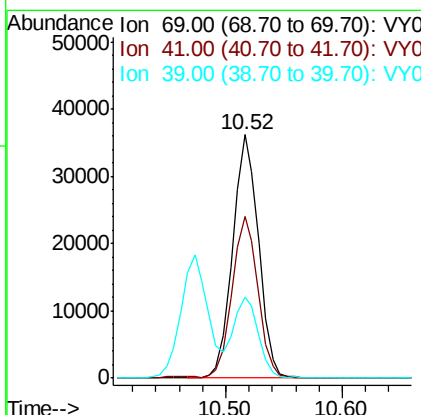
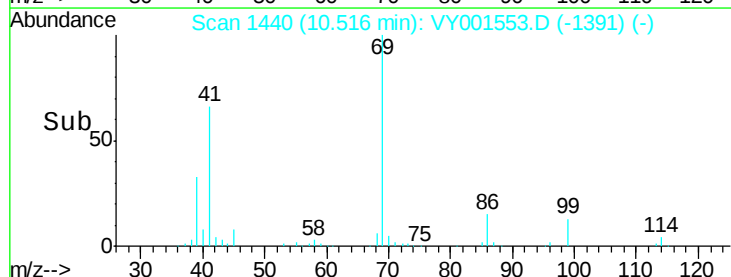
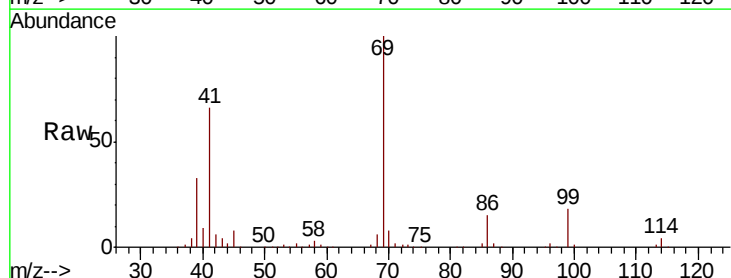
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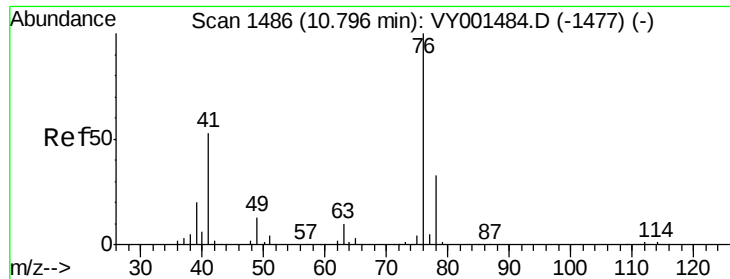
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#56
 Ethyl methacrylate
 Concen: 21.937 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Tgt Ion:	69	Resp:	55953
Ion	Ratio	Lower	Upper
69	100		
41	65.5	47.8	71.8
39	32.2	24.4	36.6





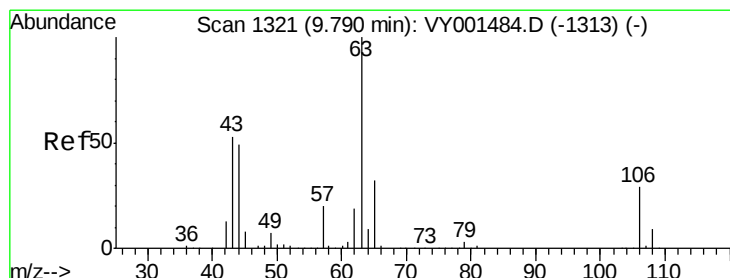
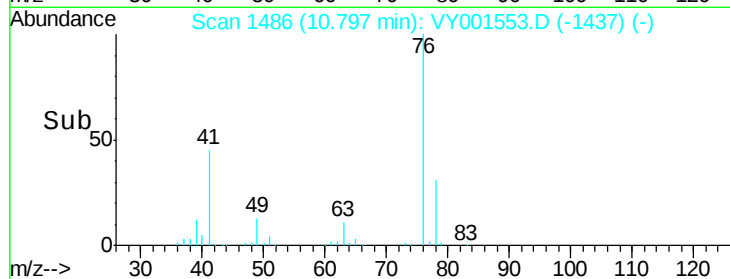
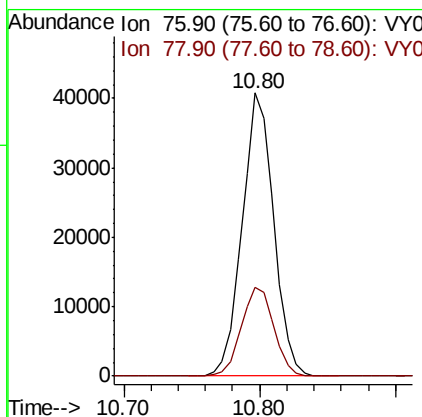
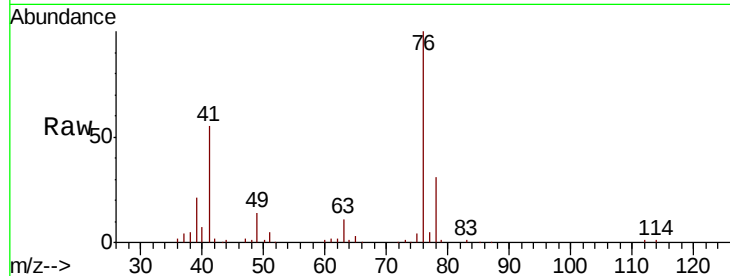
#57
 1,3-Dichloropropane
 Concen: 20.854 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion: 76 Resp: 65924
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

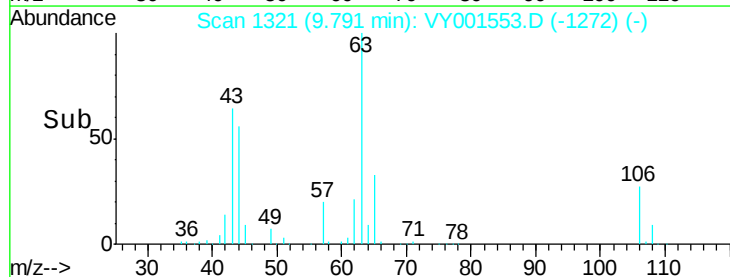
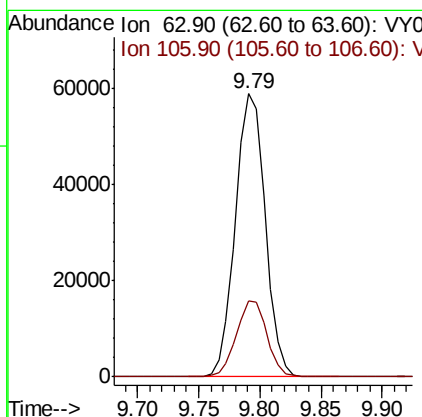
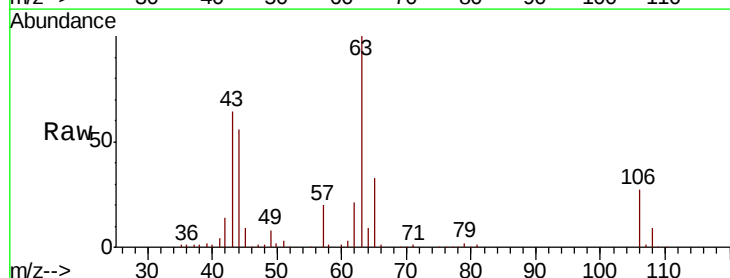
Manual Integrations
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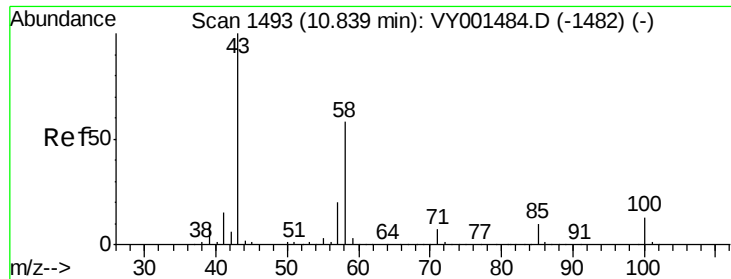
MMDadoda
 2/10/2020 11:27:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.575 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Tgt Ion: 63 Resp: 100001
 Ion Ratio Lower Upper
 63 100
 106 27.4 24.0 36.0





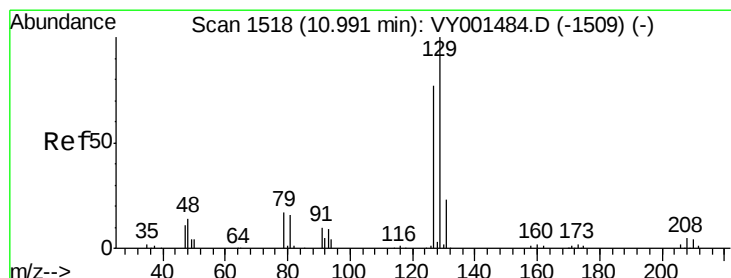
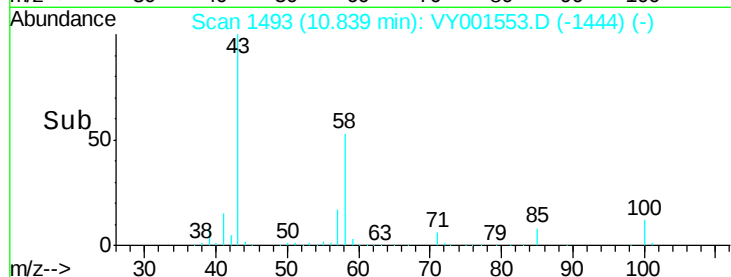
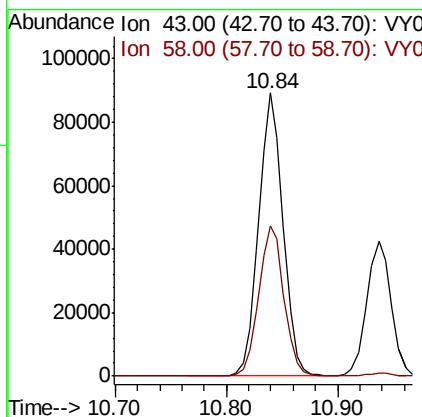
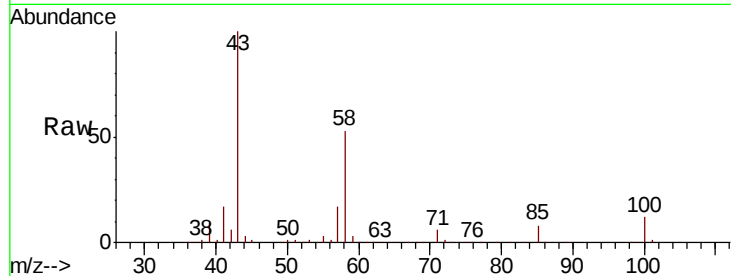
#59
2-Hexanone
Concen: 122.873 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 43 Resp: 136283
Ion Ratio Lower Upper
43 100
58 54.8 29.0 87.0

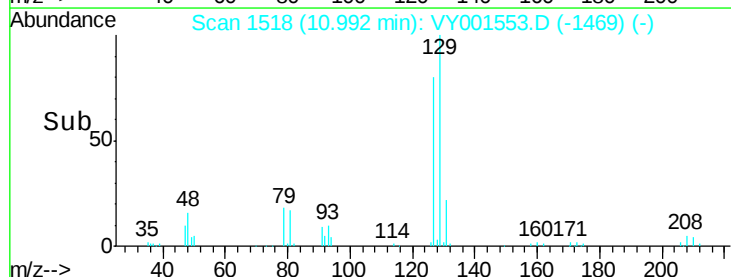
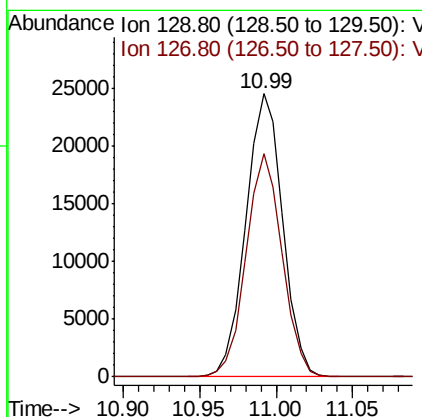
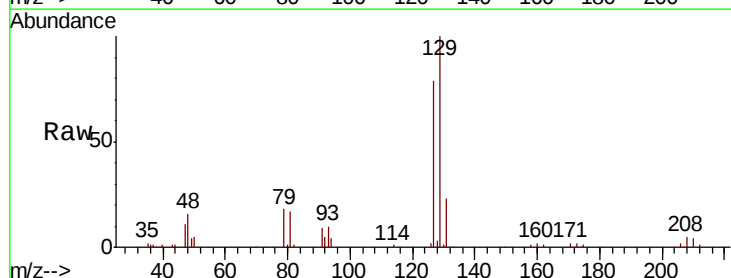
Manual Integrations
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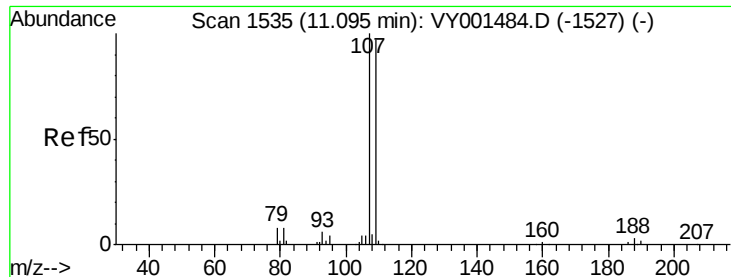
MMDadoda
2/10/2020 11:27:15 AM



#60
Dibromochloromethane
Concen: 19.409 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion: 129 Resp: 41028
Ion Ratio Lower Upper
129 100
127 77.1 38.9 116.6





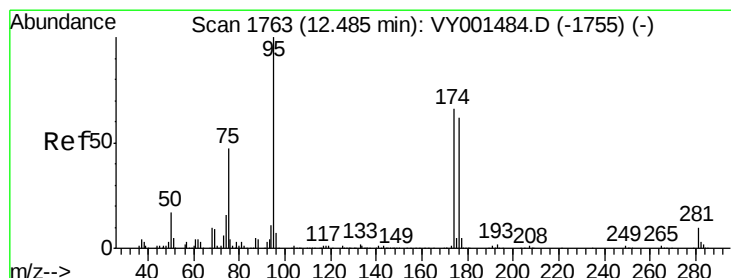
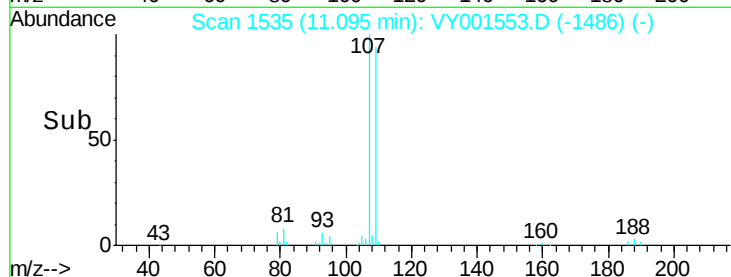
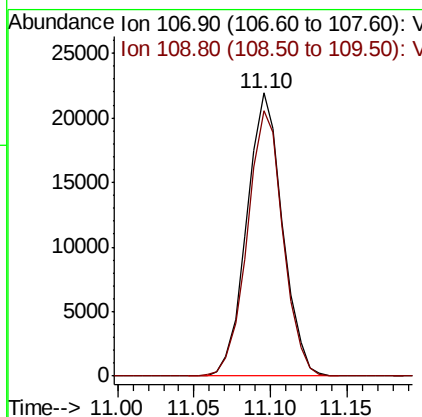
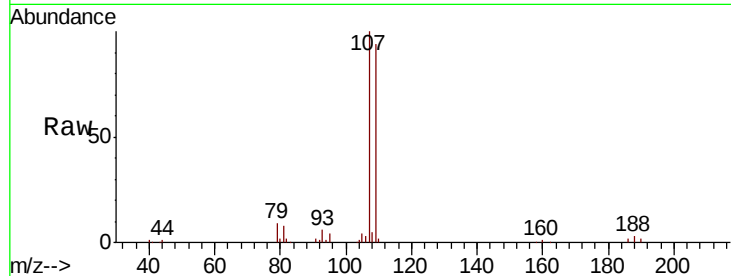
#61
 1,2-Dibromoethane
 Concen: 20.162 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	76.2	114.2

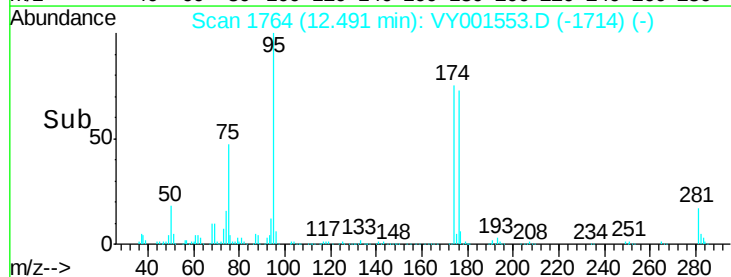
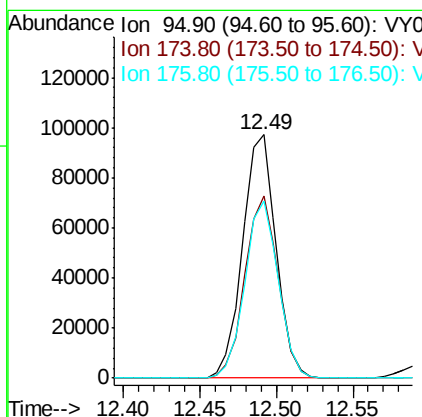
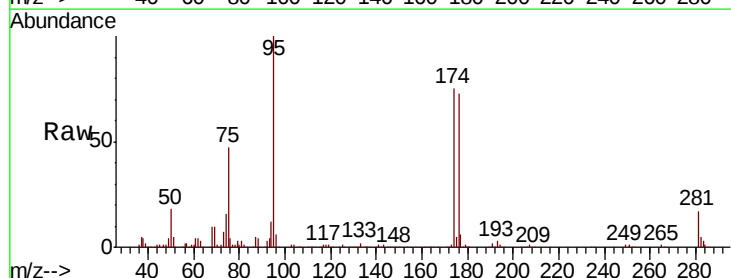
Manual Integrations
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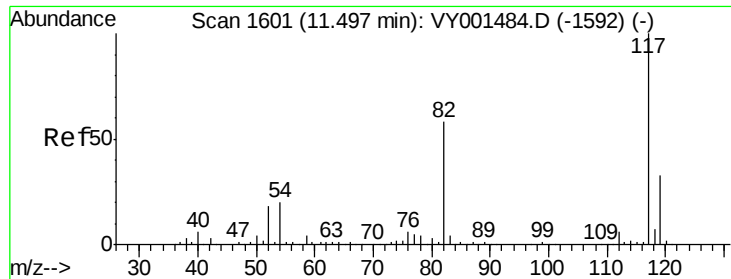
MMDadoda
 2/10/2020 11:27:15 AM



#62
 4-Bromofluorobenzene
 Concen: 48.491 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	141.4
176	72.7	0.0	135.4





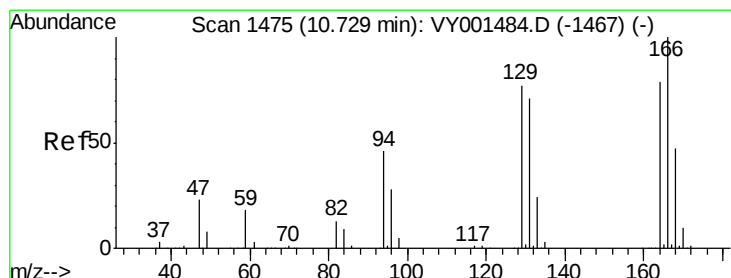
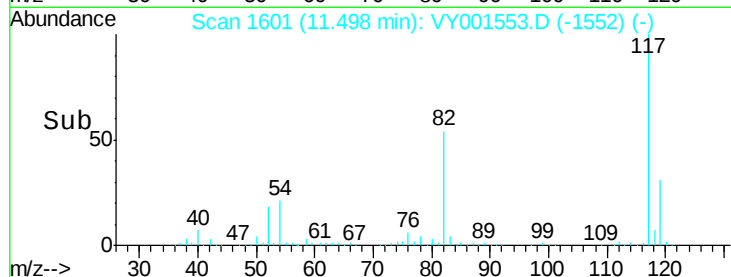
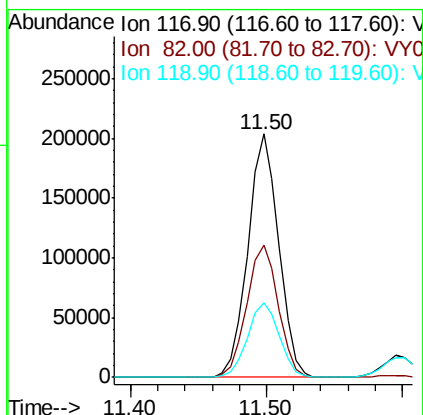
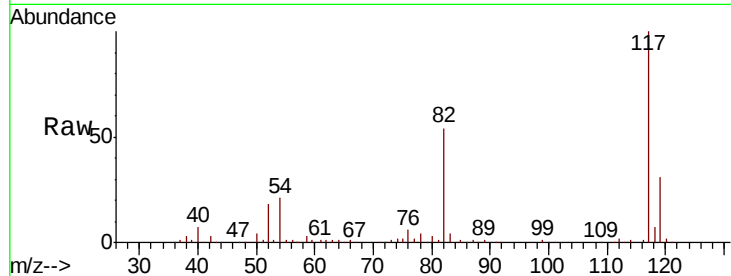
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	46.1	69.1
119	30.7	26.1	39.1

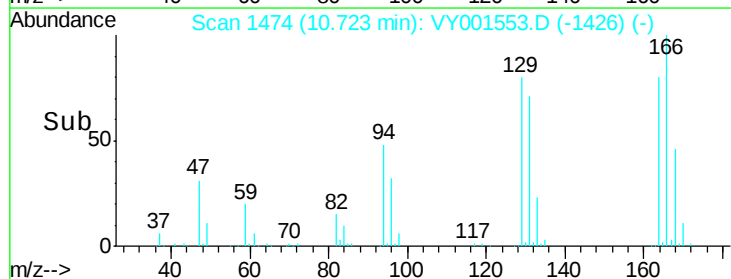
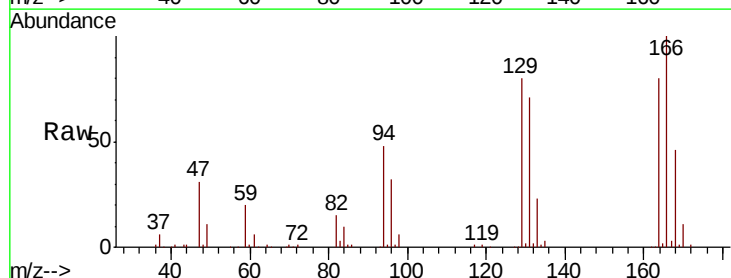
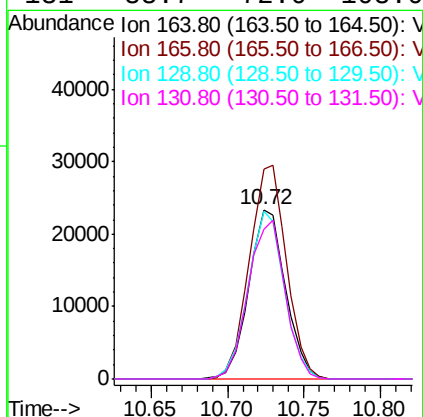
Manual Integrations
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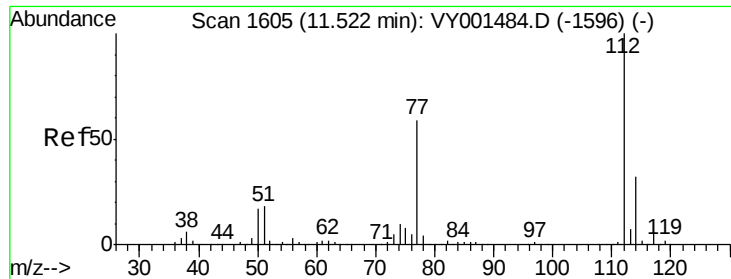
MMDadoda
2/10/2020 11:27:15 AM



#64
Tetrachloroethene
Concen: 18.410 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	100.8	151.2
129	99.0	77.8	116.6
131	88.7	72.0	108.0





#65

Chlorobenzene

Concen: 19.388 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion:112 Resp: 122884

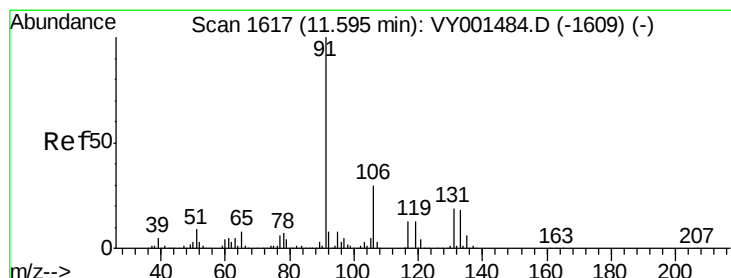
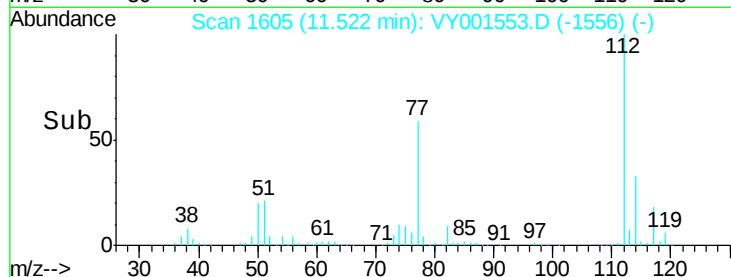
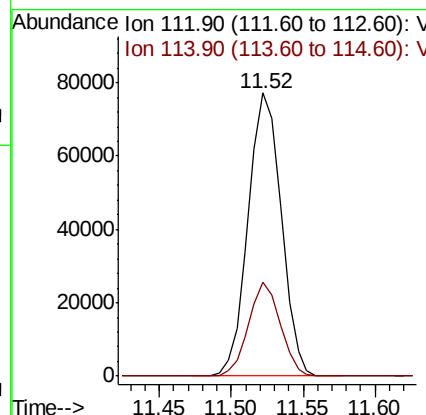
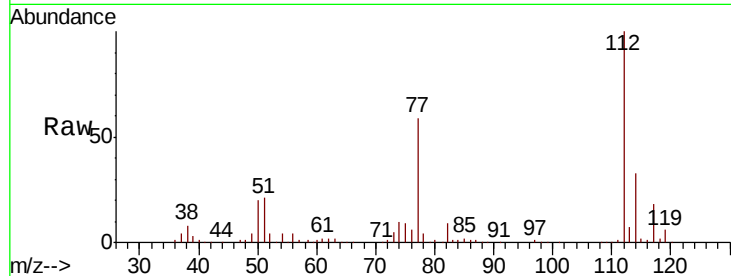
Ion Ratio Lower Upper

112 100

114 33.1 25.4 38.2

Manual Integrations
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2/10/2020 11:27:15 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 18.916 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

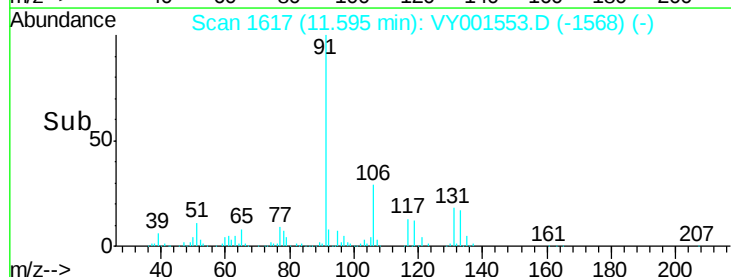
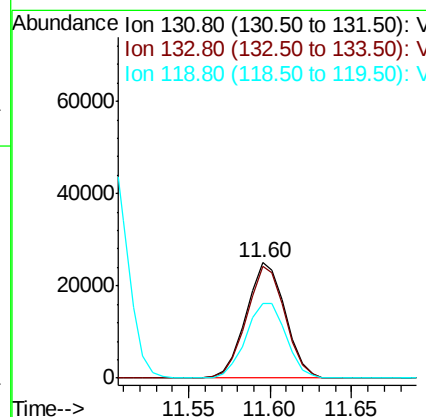
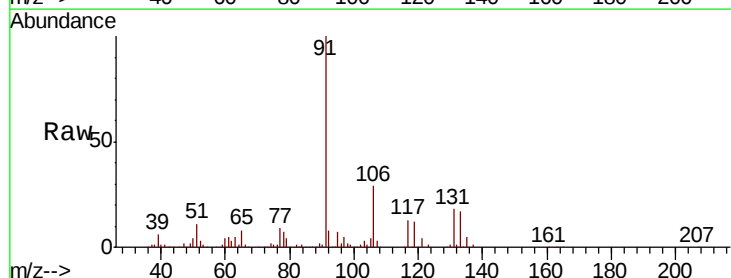
Tgt Ion:131 Resp: 41960

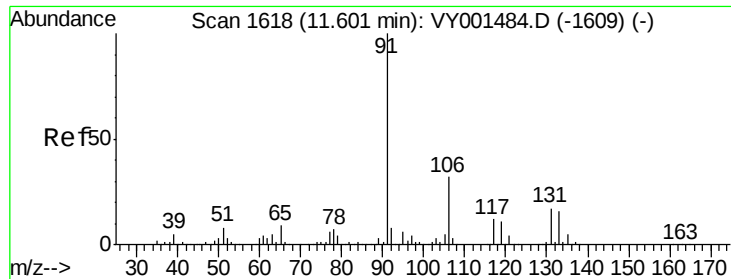
Ion Ratio Lower Upper

131 100

133 95.1 47.9 143.8

119 67.0 33.7 101.0





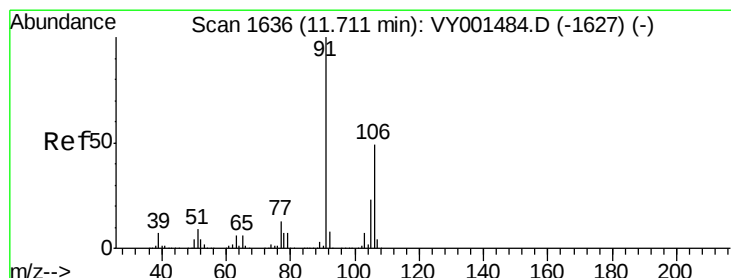
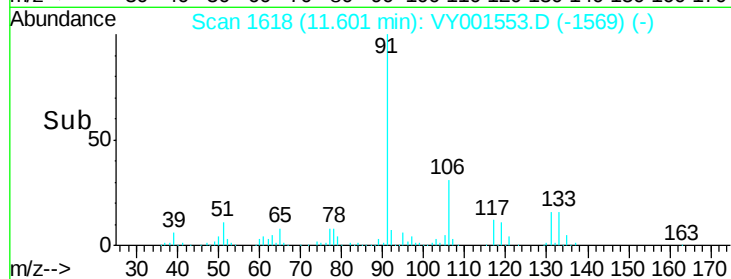
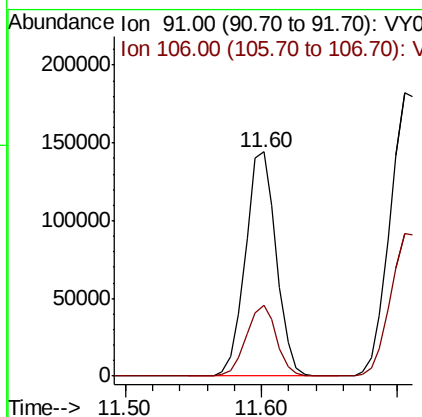
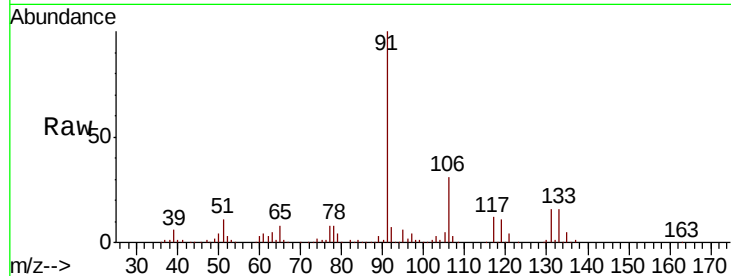
#67
Ethyl Benzene
Concen: 19.494 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.5	25.3	37.9	

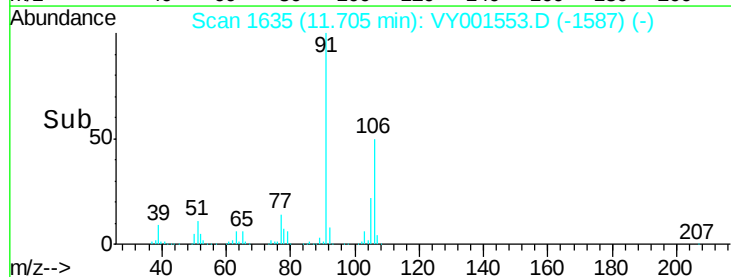
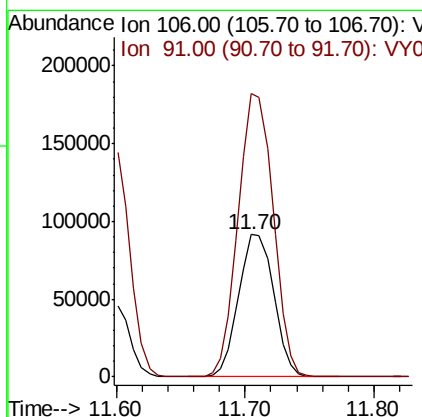
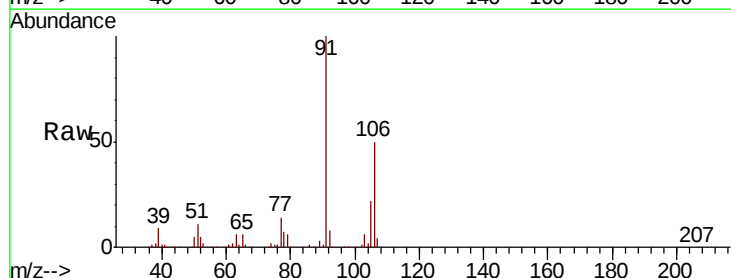
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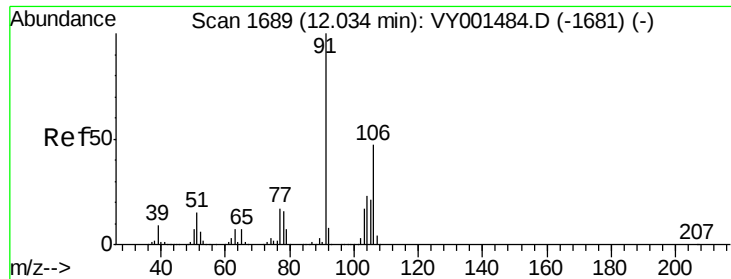
MMDadoda
2/10/2020 11:27:15 AM



#68
m/p-Xylenes
Concen: 39.455 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	199.1	163.6	245.4	





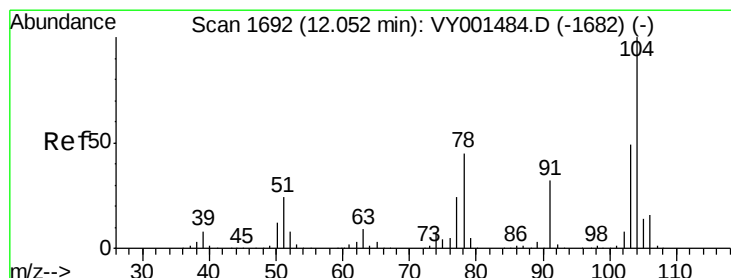
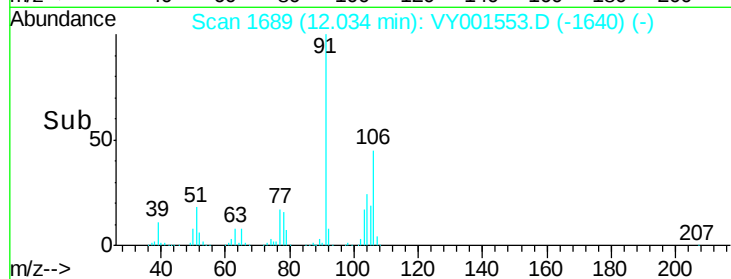
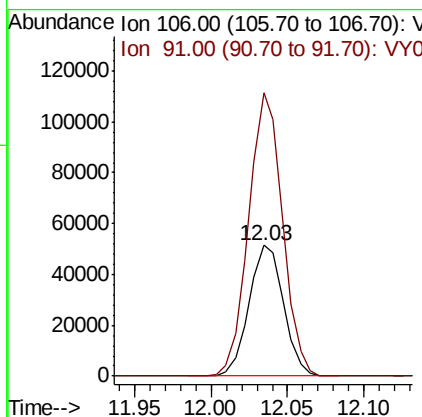
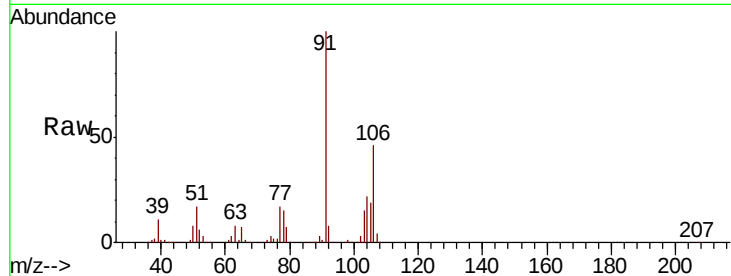
#69
o-Xylene
Concen: 19.458 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion:106 Resp: 80713
Ion Ratio Lower Upper
106 100
91 212.4 106.0 318.0

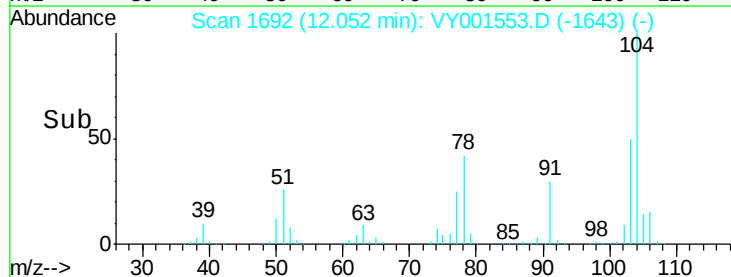
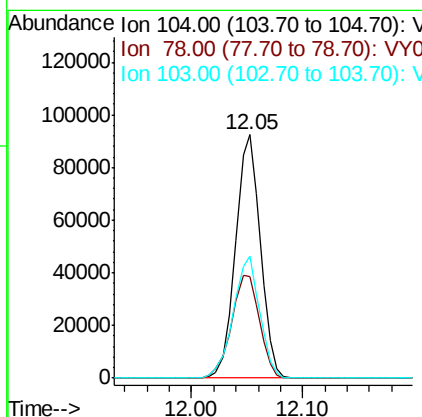
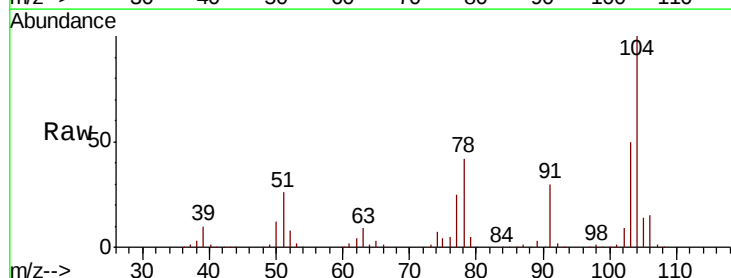
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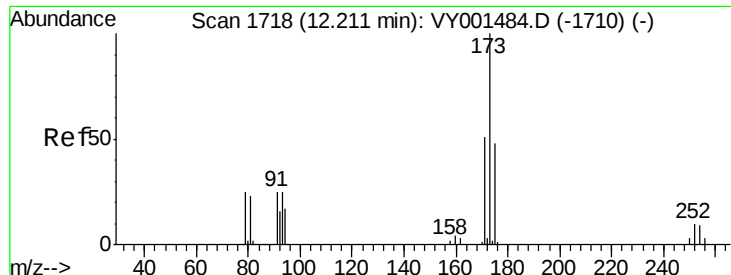
MMDadoda
2/10/2020 11:27:15 AM



#70
Styrene
Concen: 19.849 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion:104 Resp: 142377
Ion Ratio Lower Upper
104 100
78 47.8 40.4 60.6
103 53.3 42.8 64.2





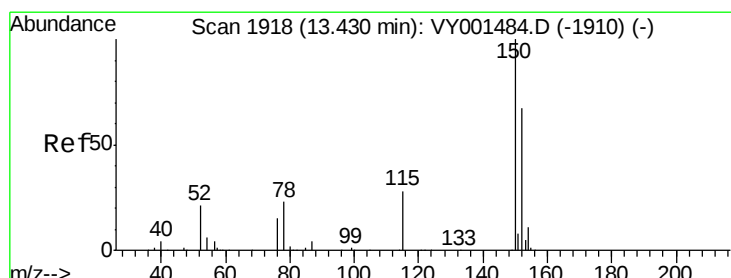
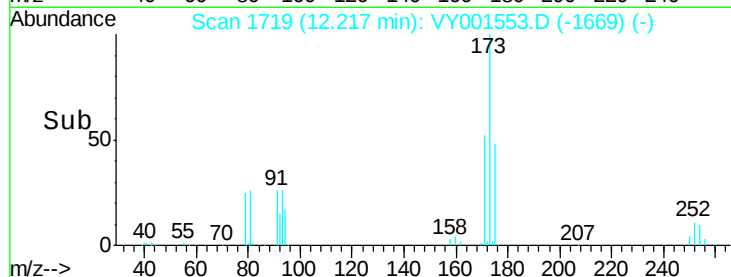
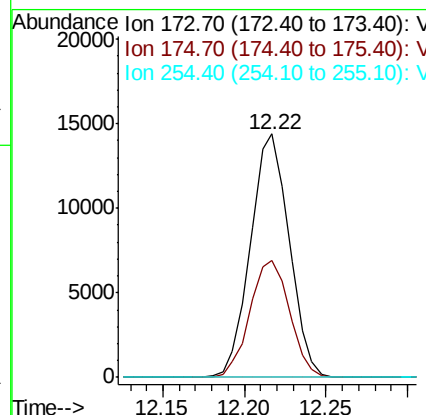
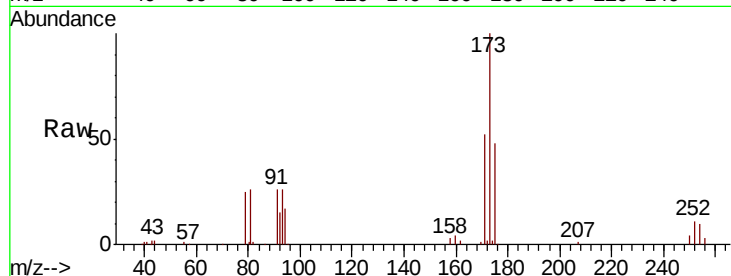
#71
Bromoform
Concen: 19.268 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.0	72.0
254	0.0	0.1	0.1

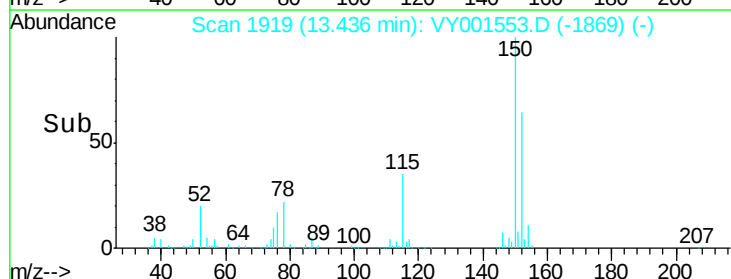
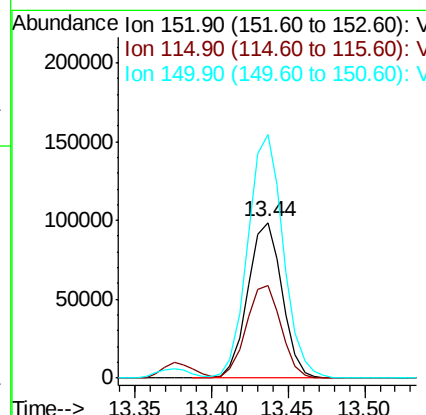
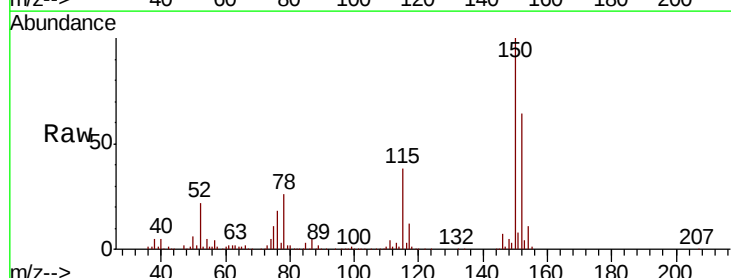
Manual Integrations
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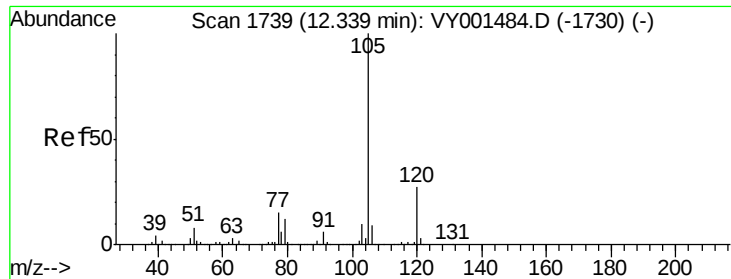
MMDadoda
2/10/2020 11:27:15 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	31.4	94.3
150	162.0	0.0	346.8





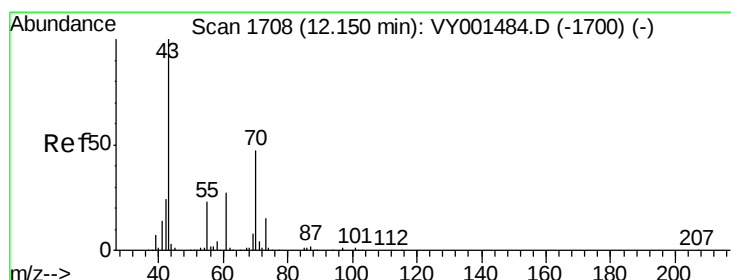
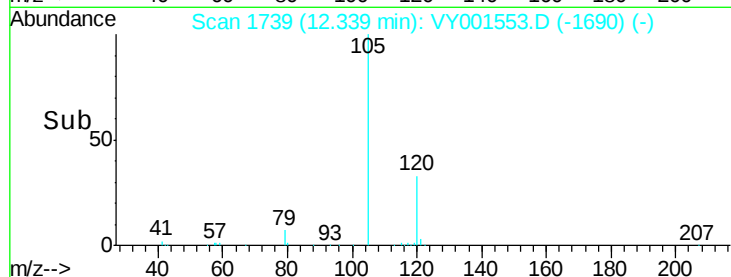
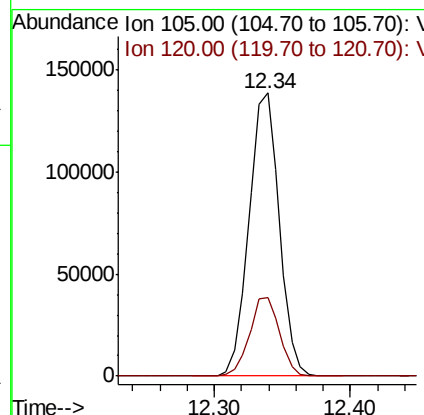
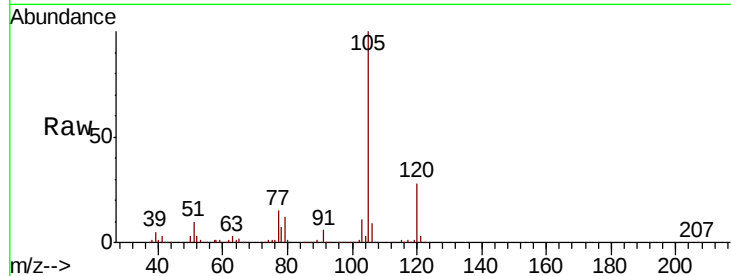
#73
Isopropylbenzene
Concen: 18.444 ug/l
RT: 12.34 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.3	39.9

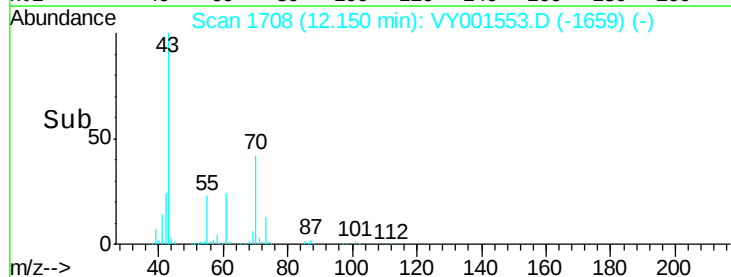
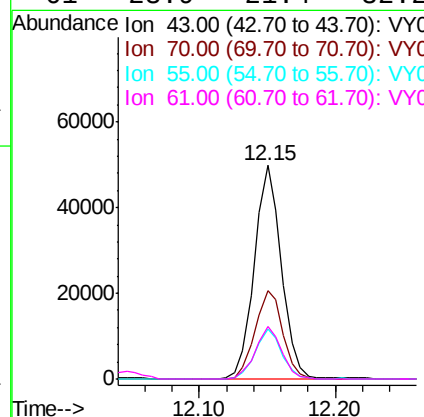
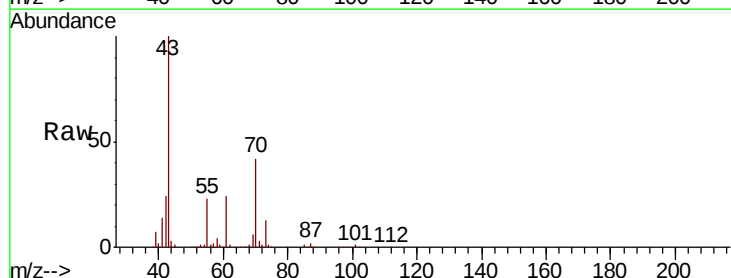
Manual Integrations
APPROVED

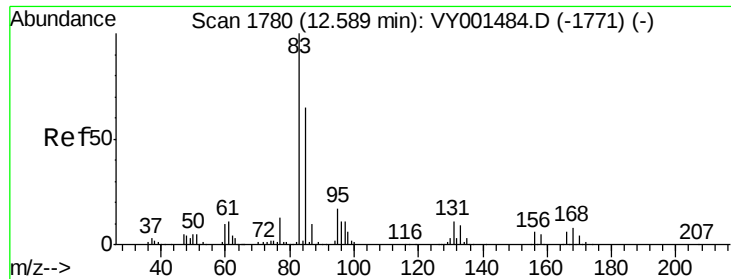
MMDadoda
2/10/2020 11:27:15 AM



#74
N-ethyl acetate
Concen: 22.888 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.8	37.2	55.8
55	22.8	18.8	28.2
61	23.9	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.087 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

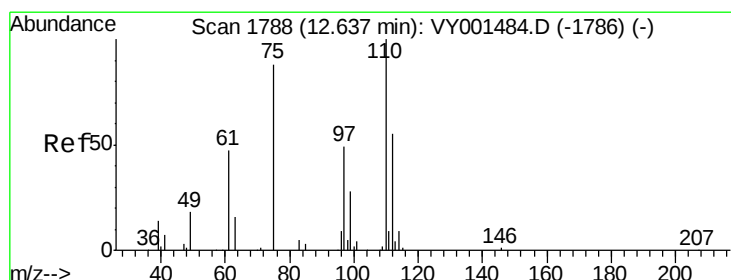
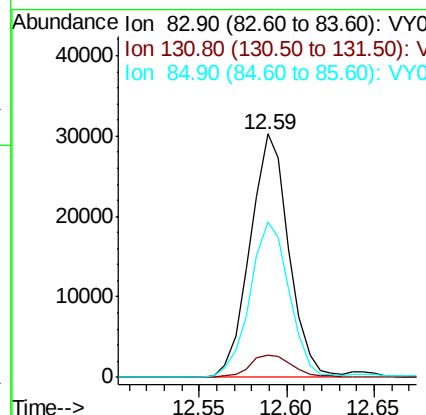
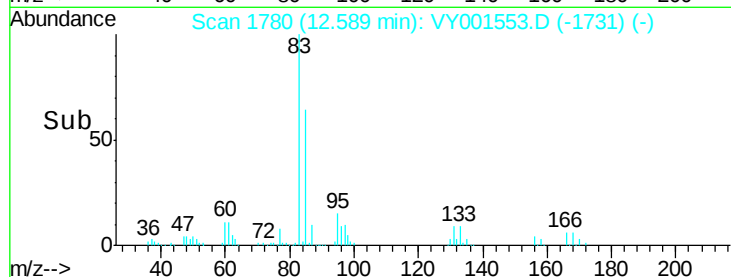
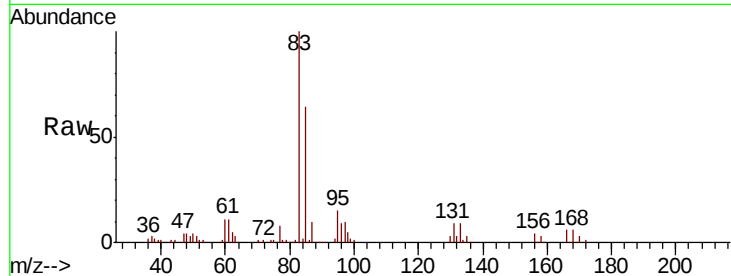
ClientSampleId :

VY0207SBSD01

Tot Ion:	83	Resp:	46936
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.4	16.2
85	64.8	32.0	96.0

Manual Integrations
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2/10/2020 11:27:15 AM



#76

1,2,3-Trichloropropane

Concen: 21.271 ug/l m

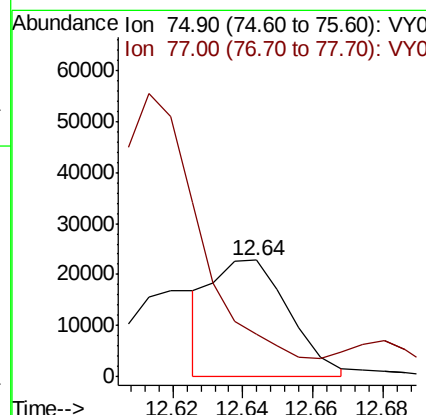
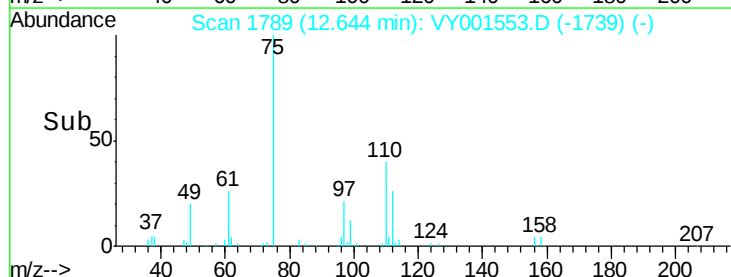
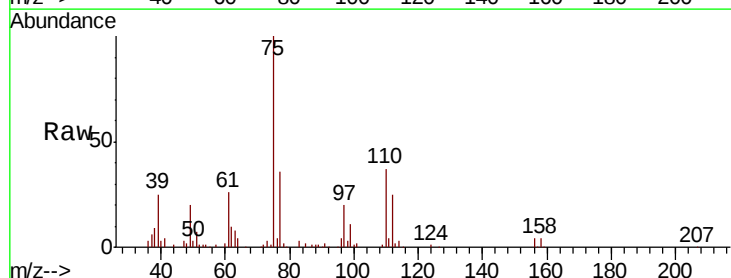
RT: 12.64 min Scan# 1789

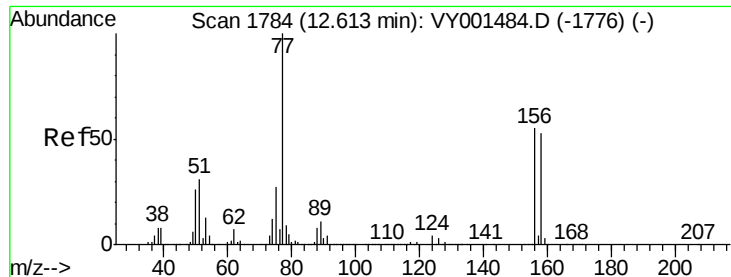
Delta R.T. 0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	75	Resp:	35137
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.085 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

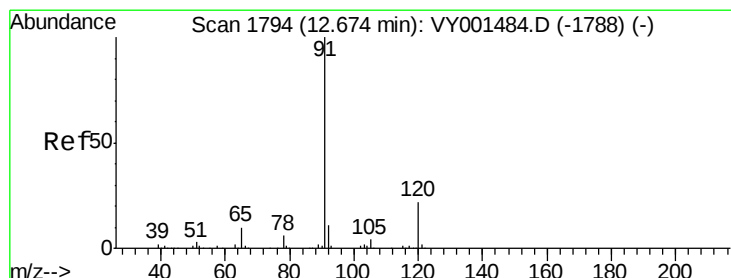
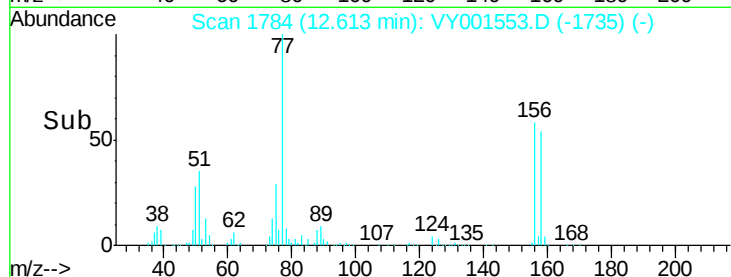
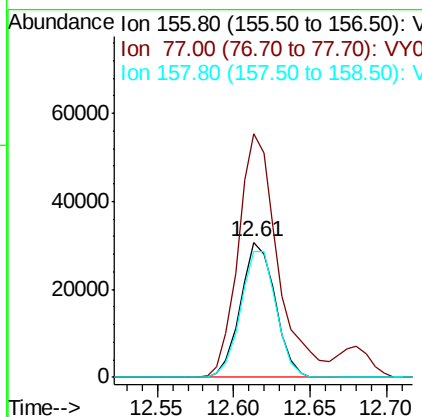
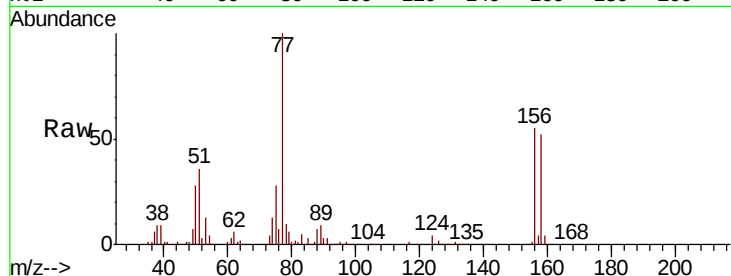
ClientSampleId :

VY0207SBSD01

Tot Ion:	156	Resp:	48386
Ion	Ratio	Lower	Upper
156	100		
77	206.5	99.8	299.3
158	95.6	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.089 ug/l

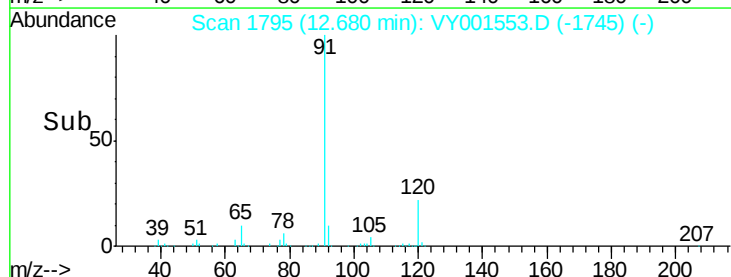
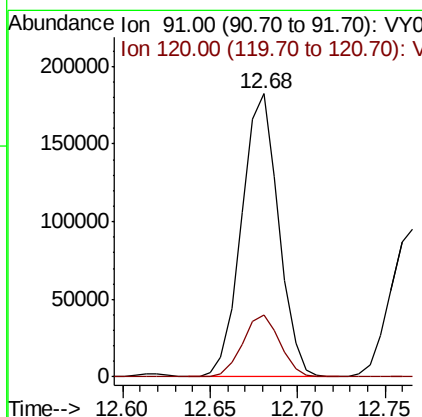
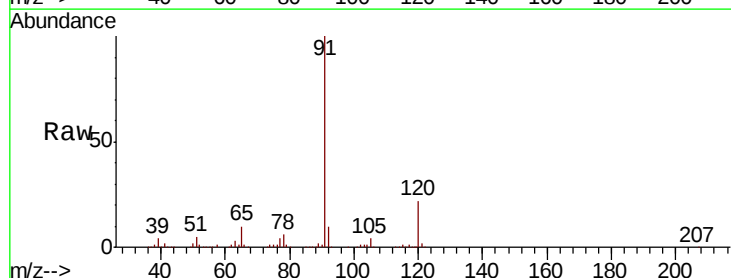
RT: 12.68 min Scan# 1795

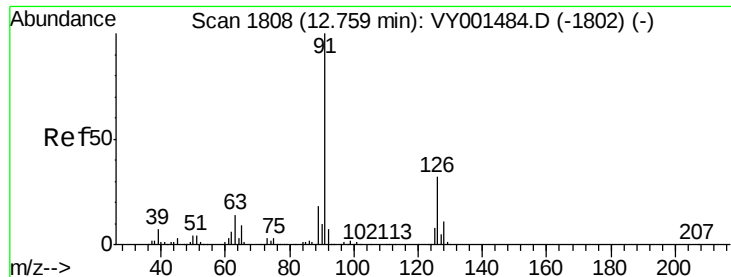
Delta R.T. 0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	91	Resp:	267723
Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.4	34.2





#79

2-Chlorotoluene

Concen: 18.332 ug/l

RT: 12.77 min Scan# 1809

Delta R.T. 0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion: 91 Resp: 146556

Ion Ratio Lower Upper

91 100

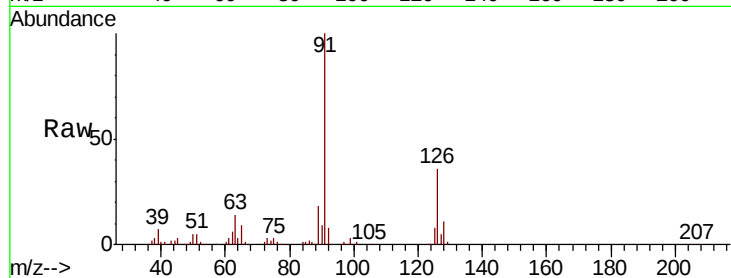
126 34.4 16.4 49.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001553.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY001553.D (-1759) (-)

150000

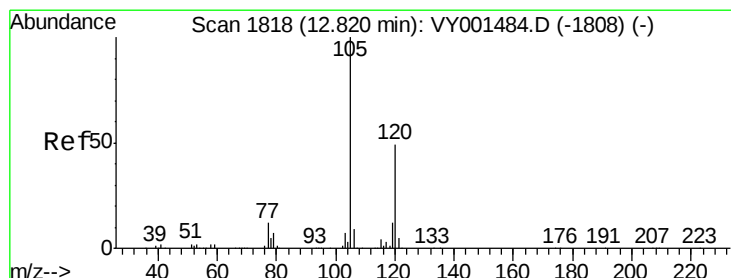
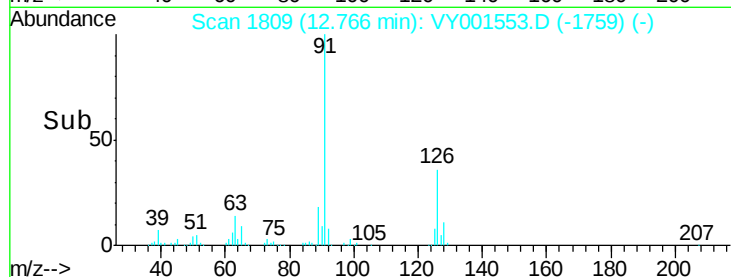
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.511 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001553.D

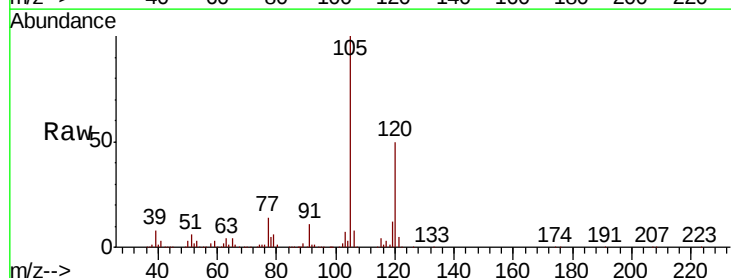
Acq: 07 Feb 2020 14:54

Tgt Ion: 105 Resp: 182632

Ion Ratio Lower Upper

105 100

120 49.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001553.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001553.D (-1769) (-)

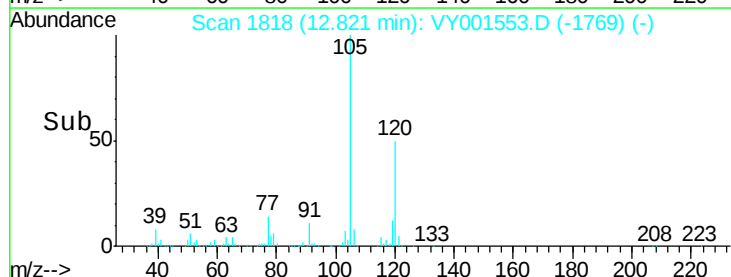
100000

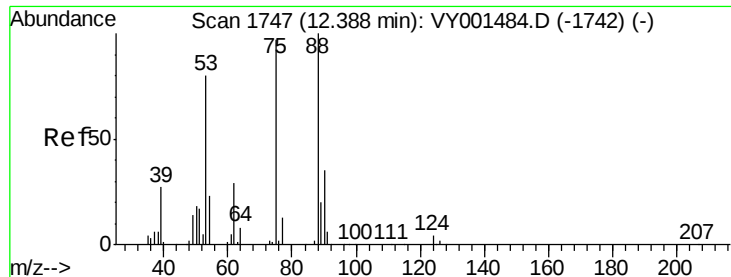
50000

0

12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.406 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

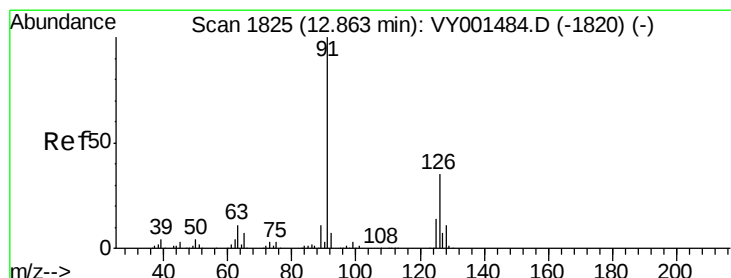
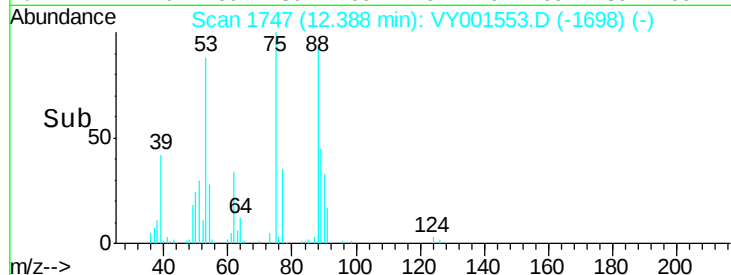
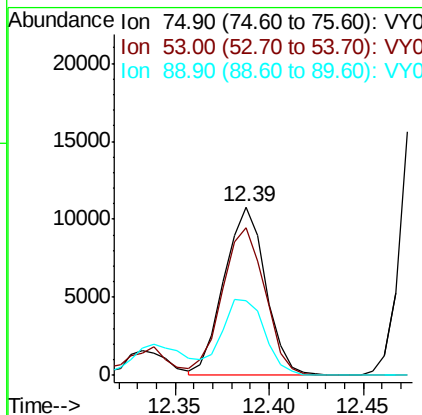
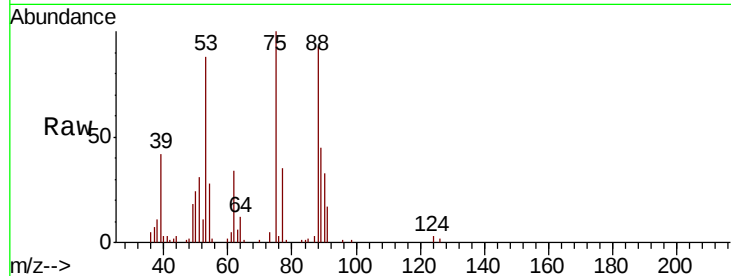
ClientSampleId :

VY0207SBS01

Tot Ion:	75	Resp:	16567
Ion	Ratio	Lower	Upper
75	100		
53	90.2	67.7	101.5
89	46.4	34.6	52.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.792 ug/l

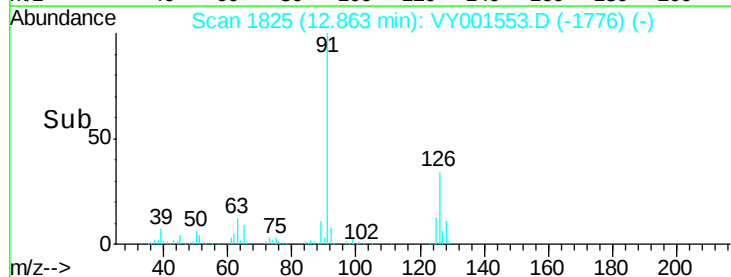
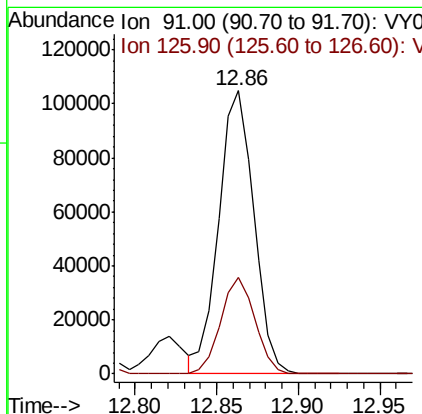
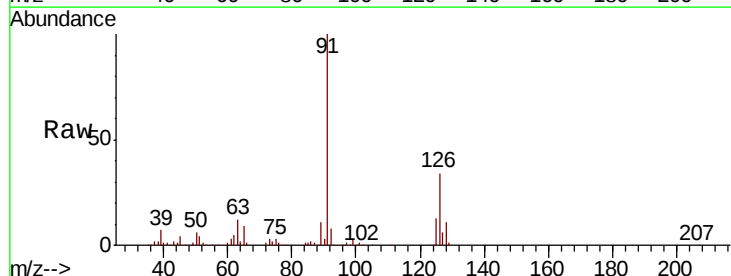
RT: 12.86 min Scan# 1825

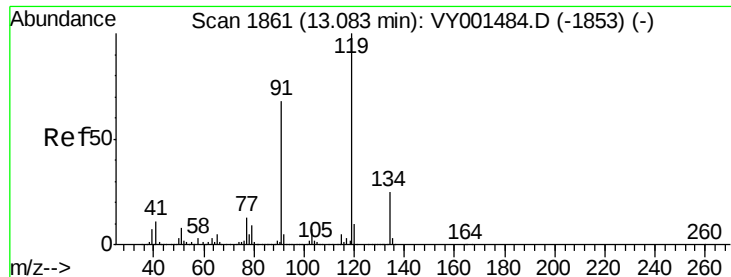
Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	91	Resp:	157516
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.5	49.5





#83

tert-Butylbenzene

Concen: 18.531 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

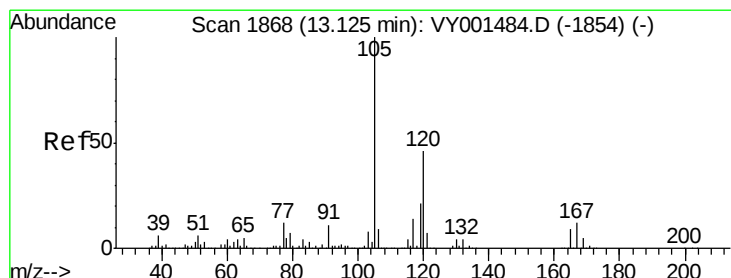
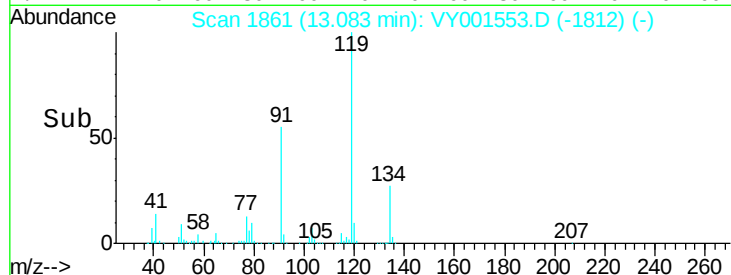
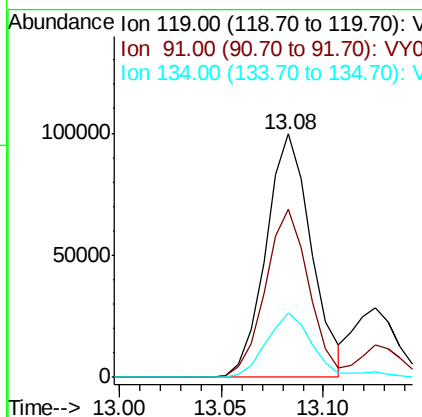
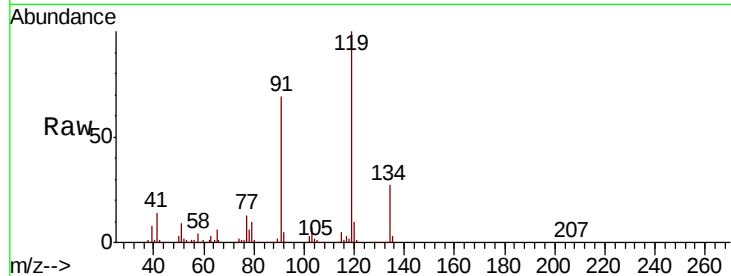
ClientSampleId :

VY0207SBS01

Tot Ion:	119	Resp:	154544
Ion Ratio	Lower	Upper	
119	100		
91	66.1	33.1	99.3
134	27.7	13.0	39.0

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#84

1,2,4-Trimethylbenzene

Concen: 18.881 ug/l

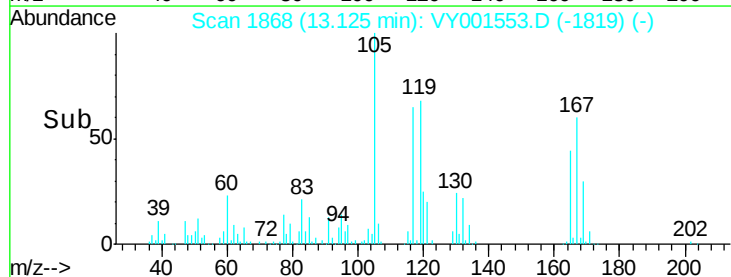
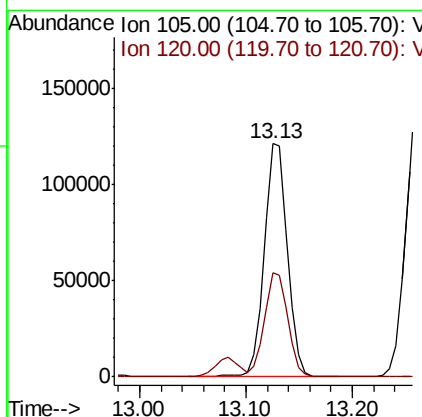
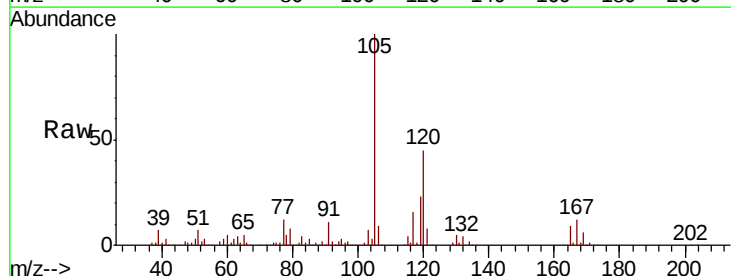
RT: 13.13 min Scan# 1868

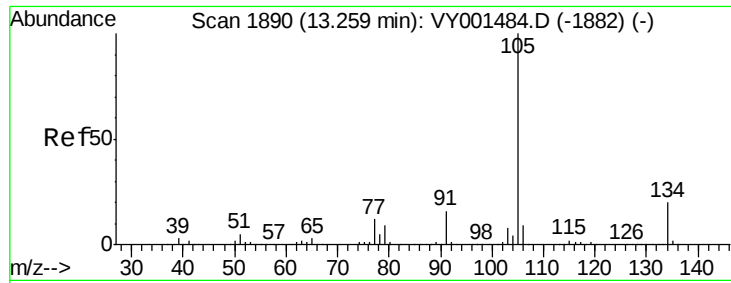
Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	105	Resp:	184380
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.212 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion:105 Resp: 225275

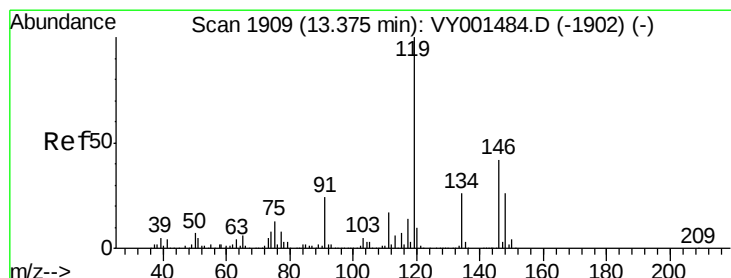
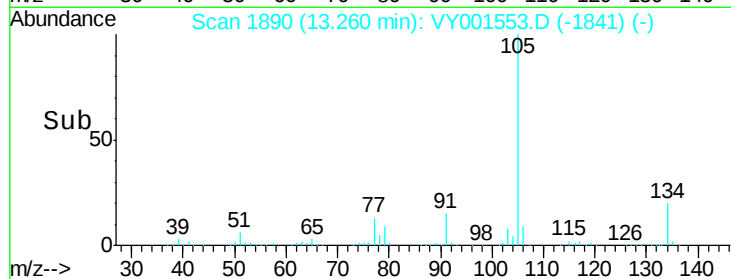
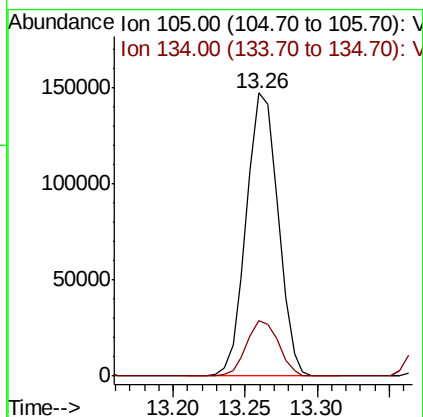
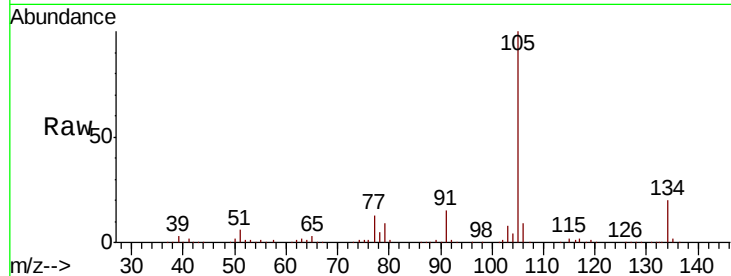
Ion Ratio Lower Upper

105 100

134 19.8 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 18.910 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

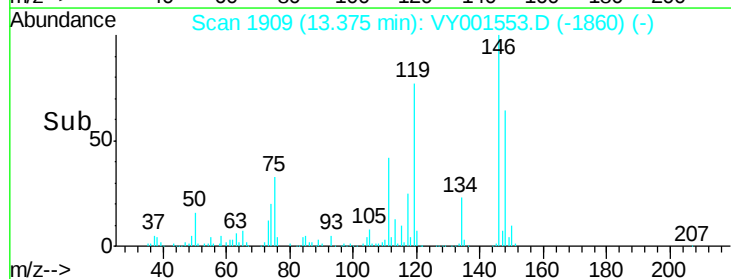
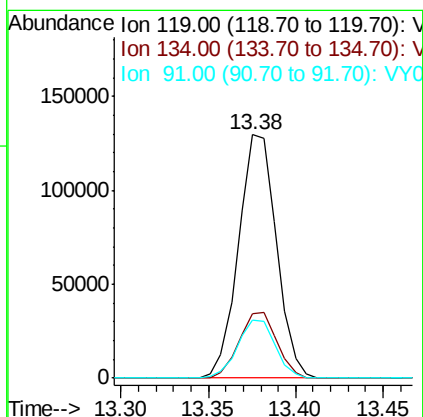
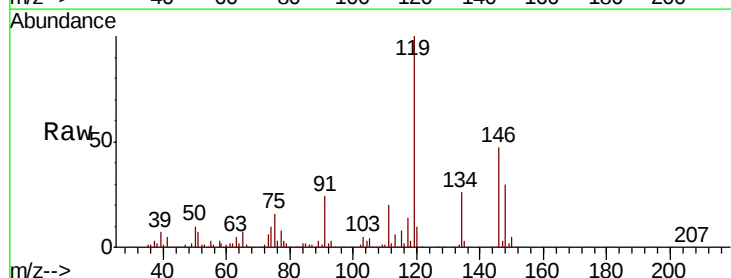
Tgt Ion:119 Resp: 195391

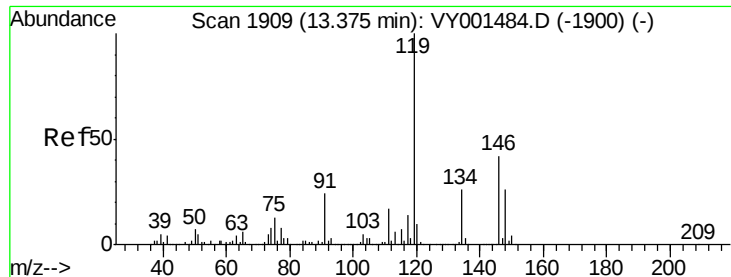
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

91 23.9 12.2 36.6





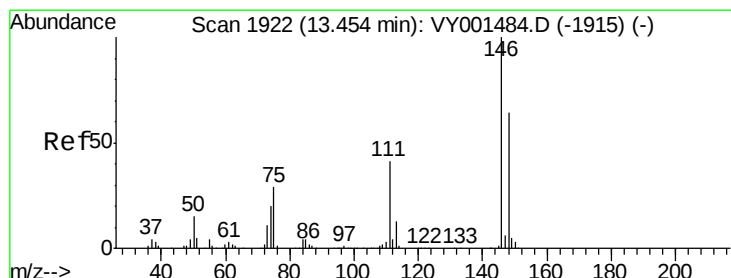
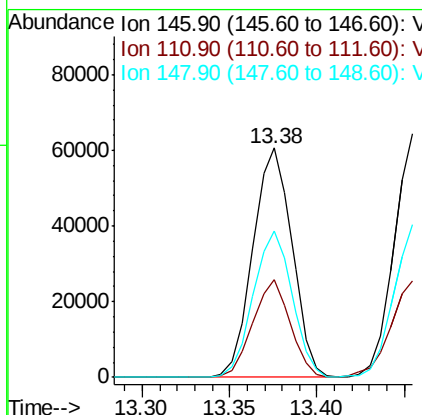
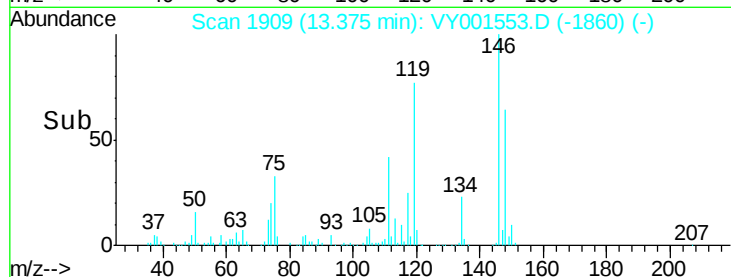
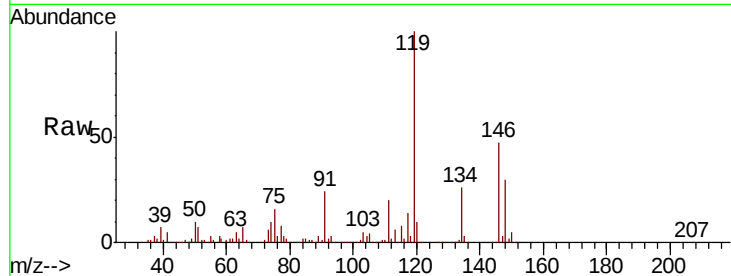
#87
 1,3-Dichlorobenzene
 Concen: 19.456 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.3	63.9
148	63.3	31.9	95.7

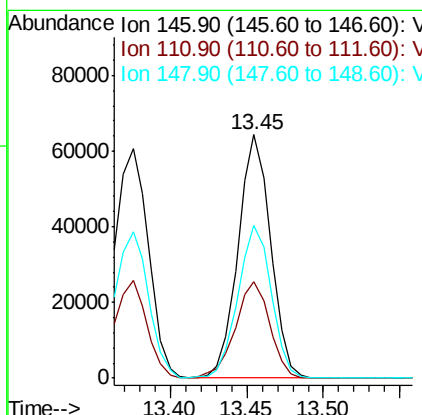
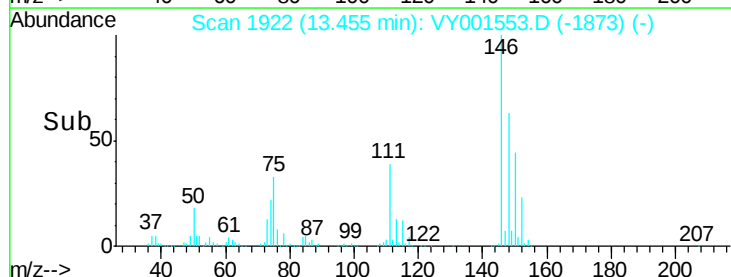
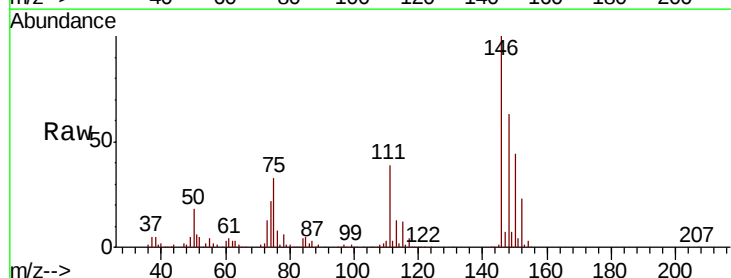
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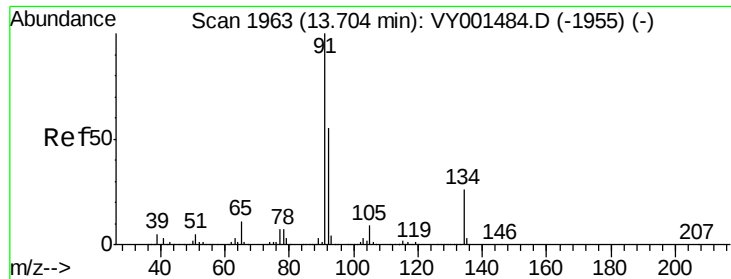
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#88
 1,4-Dichlorobenzene
 Concen: 19.501 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001553.D
 Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.7	62.1
148	64.5	32.1	96.5





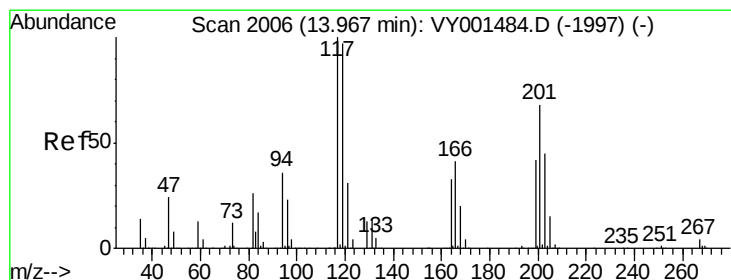
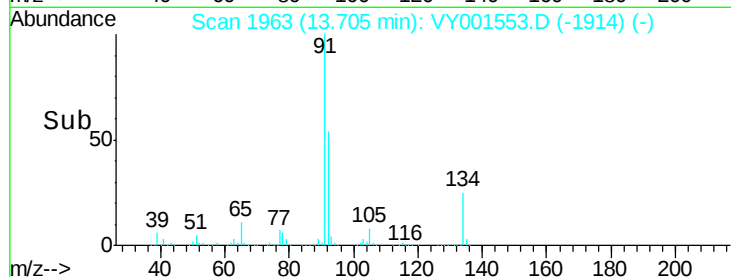
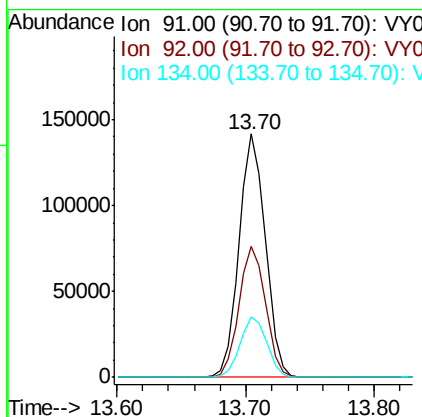
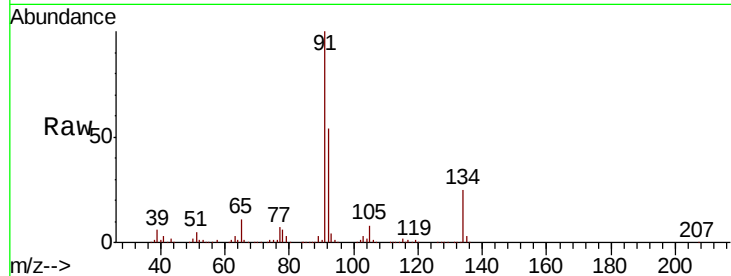
#89
n-Butylbenzene
Concen: 19.624 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.9
134	25.2	13.0	38.9

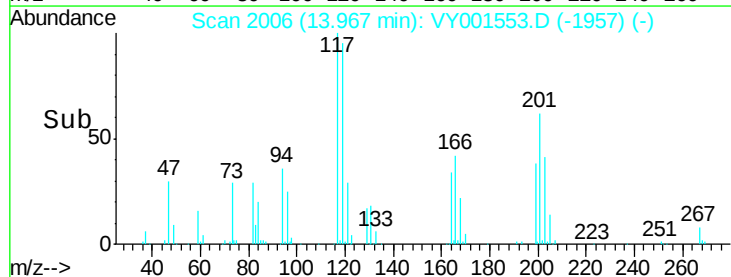
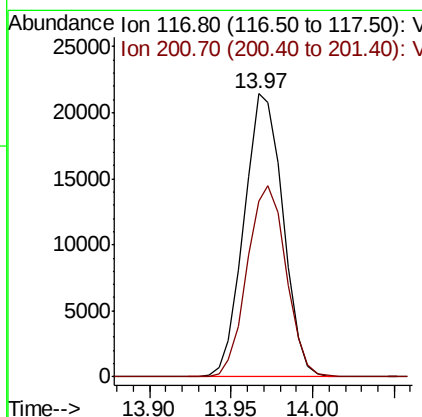
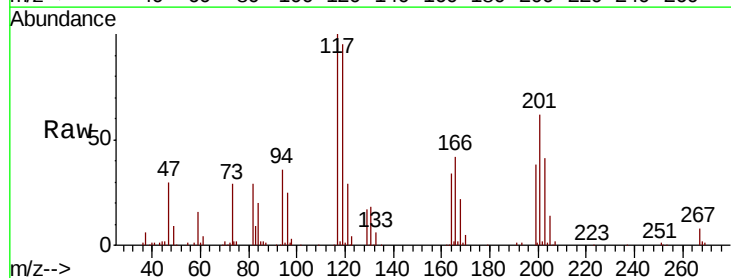
Manual Integrations
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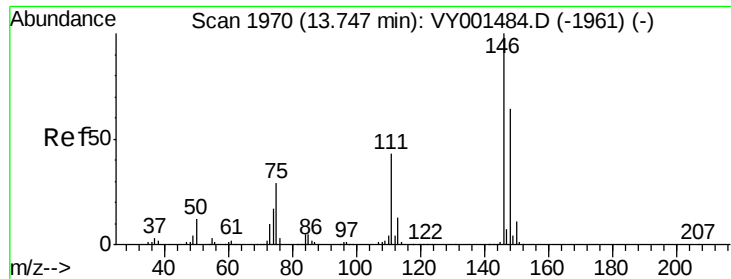
MMDadoda
2/10/2020 11:27:15 AM



#90
Hexachloroethane
Concen: 18.012 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.7	34.1	102.3





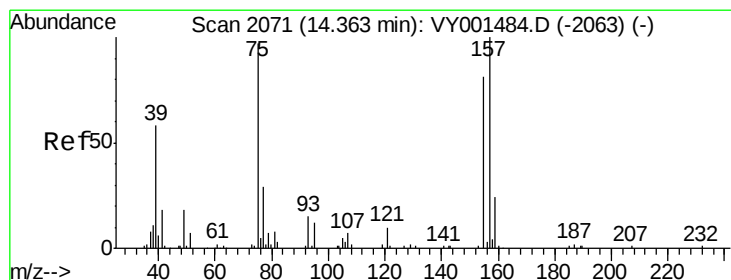
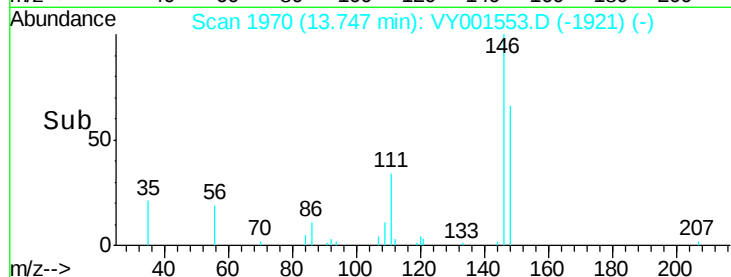
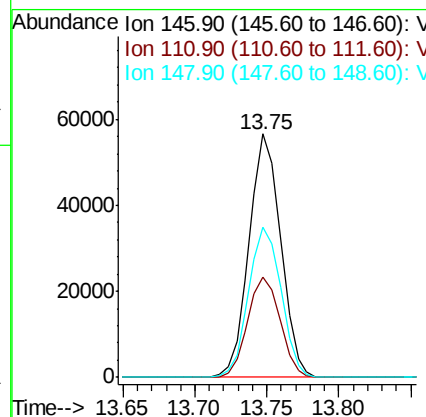
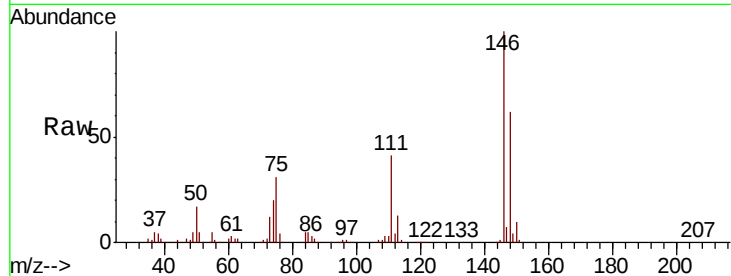
#91
1,2-Dichlorobenzene
Concen: 19.531 ug/l
RT: 13.75 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.9	65.8
148	63.4	31.8	95.3

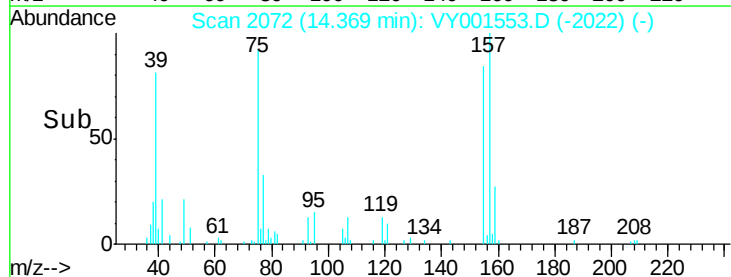
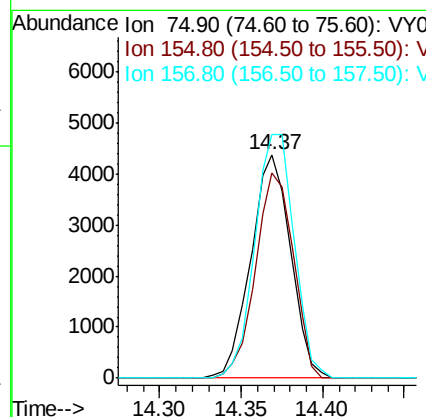
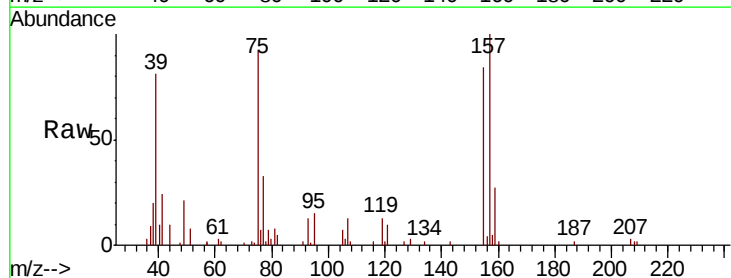
Manual Integrations
APPROVED

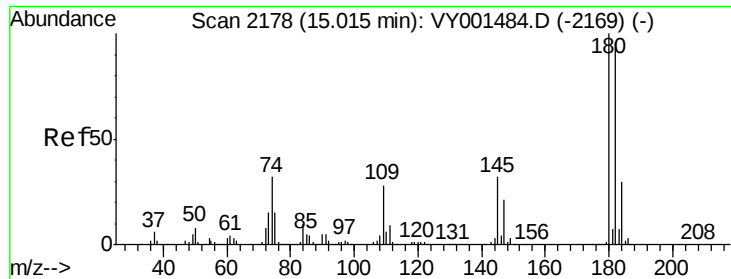
MMDadoda
2/10/2020 11:27:15 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 18.150 ug/l
RT: 14.37 min Scan# 2072
Delta R.T. 0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	40.7	122.1
157	107.8	52.3	157.1





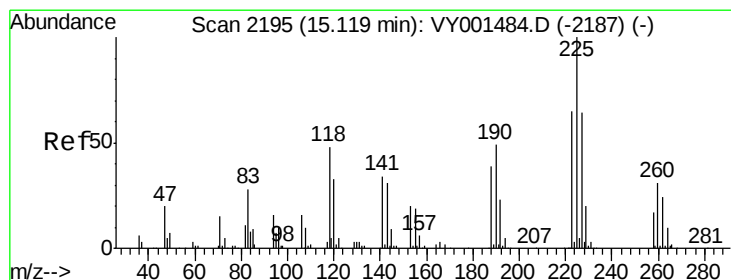
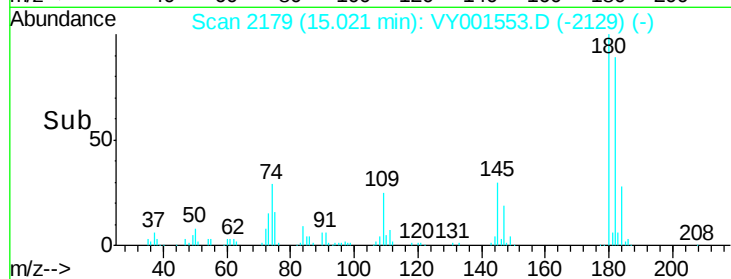
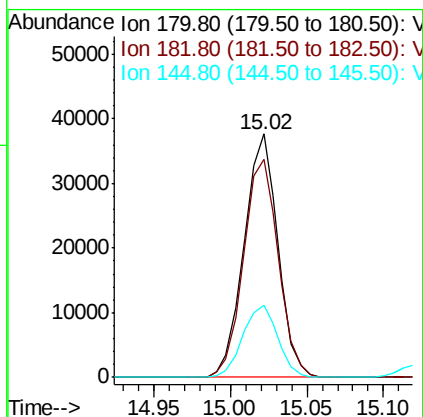
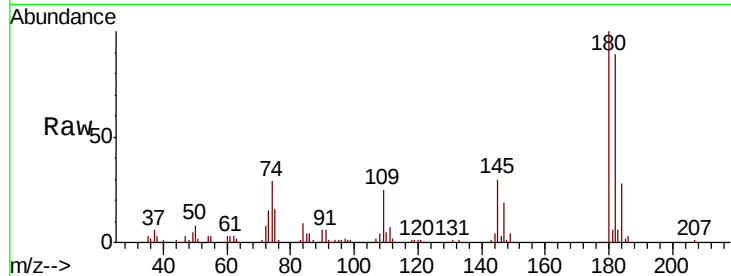
#93
1,2,4-Trichlorobenzene
Concen: 19.428 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.4	46.9	140.7
145	30.8	16.8	50.3

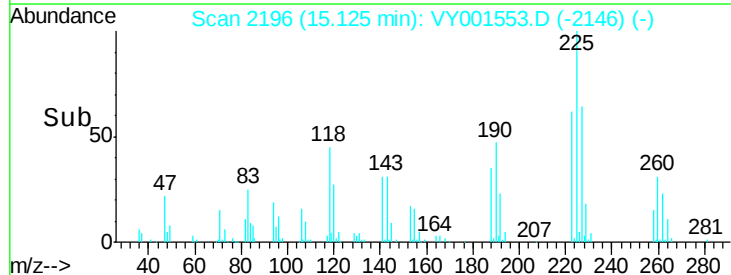
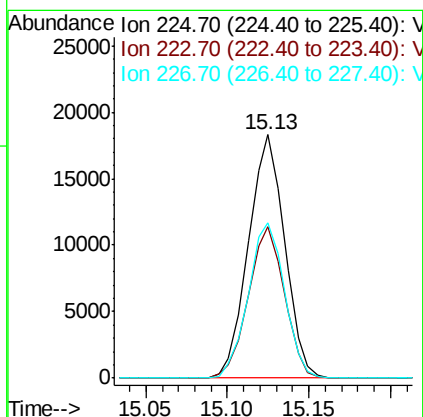
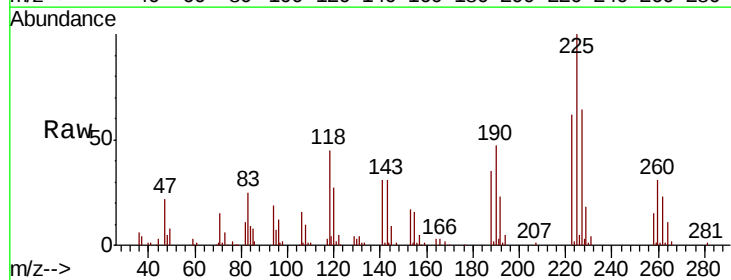
Manual Integrations
APPROVED

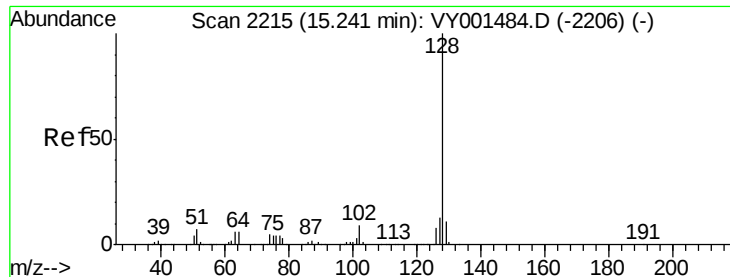
MMDadoda
2/10/2020 11:27:15 AM



#94
Hexachlorobutadiene
Concen: 18.806 ug/l
RT: 15.13 min Scan# 2196
Delta R.T. 0.01 min
Lab File: VY001553.D
Acq: 07 Feb 2020 14:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.7
227	64.0	32.6	97.7





#95

Naphthalene

Concen: 18.826 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Instrument :

MSVOA_Y

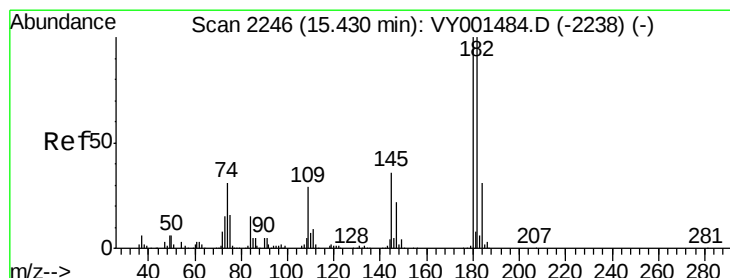
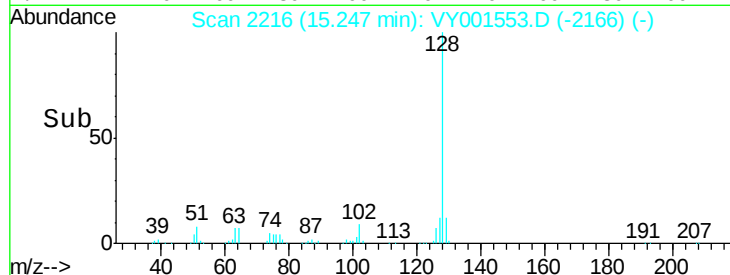
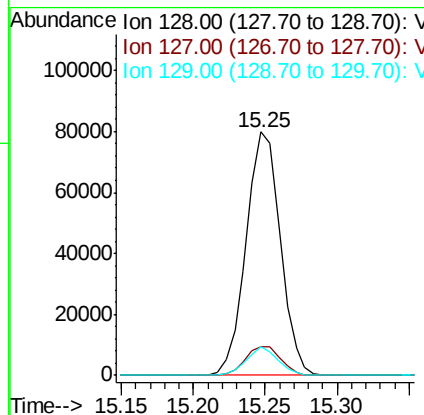
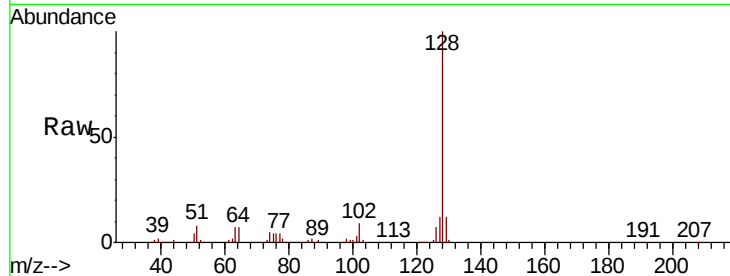
ClientSampleId :

VY0207SBSD01

Tot Ion:	128	Resp:	131286
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.1	15.1
129	10.8	8.9	13.3

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 19.616 ug/l

RT: 15.44 min Scan# 2247

Delta R.T. 0.01 min

Lab File: VY001553.D

Acq: 07 Feb 2020 14:54

Tgt Ion:	180	Resp:	51381
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.0	144.2
145	32.2	17.8	53.5

