

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001154.D
 Acq On : 10 Jan 2020 18:04
 Operator : SY/MD
 Sample : VY0110SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Manual Integrations
 APPROVED

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 1/13/2020 12:39:21 PM

Quant Time: Jan 10 18:23:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	232391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	397768	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	353690	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	166180	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	120464	49.08	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.16%		
35) Dibromofluoromethane	7.73	113	112472	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.58%		
50) Toluene-d8	10.18	98	459489	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.40%		
62) 4-Bromofluorobenzene	12.48	95	175210	47.76	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.52%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	38828	21.755	ug/l	95
3) Chloromethane	2.12	50	51743	20.113	ug/l	100
4) Vinyl Chloride	2.25	62	53374	20.594	ug/l	99
5) Bromomethane	2.65	94	29200	20.975	ug/l	98
6) Chloroethane	2.79	64	30213	20.178	ug/l	96
7) Trichlorofluoromethane	3.13	101	72456	20.085	ug/l	97
8) Diethyl Ether	3.54	74	28247	20.151	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.91	101	47503	20.457	ug/l	99
10) Methyl Iodide	4.10	142	65698	20.670	ug/l	100
11) Tert butyl alcohol	4.96	59	27234	110.281	ug/l	97
12) 1,1-Dichloroethene	3.88	96	48183	20.282	ug/l	95
13) Acrolein	3.74	56	23249	104.575	ug/l	97
14) Allyl chloride	4.49	41	80337	20.036	ug/l	100
15) Acrylonitrile	5.18	53	71450	101.917	ug/l	98
16) Acetone	3.96	43	54200	95.083	ug/l	96
17) Carbon Disulfide	4.20	76	157734	20.514	ug/l	100
18) Methyl Acetate	4.48	43	35958	19.079	ug/l	100
19) Methyl tert-butyl Ether	5.23	73	132042	20.093	ug/l	97
20) Methylene Chloride	4.72	84	57220	18.006	ug/l	95
21) trans-1,2-Dichloroethene	5.23	96	54057	20.067	ug/l	94
22) Diisopropyl ether	6.13	45	160566	19.606	ug/l	100
23) Vinyl Acetate	6.07	43	530462	101.280	ug/l	100
24) 1,1-Dichloroethane	6.03	63	89990	20.072	ug/l	99
25) 2-Butanone	7.00	43	91673	103.333	ug/l	99
26) 2,2-Dichloropropane	6.99	77	82497	20.010	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	59584	20.186	ug/l	99
28) Bromochloromethane	7.34	49	30208	16.408	ug/l	96
29) Tetrahydrofuran	7.36	42	61042	100.402	ug/l	99
30) Chloroform	7.52	83	87378	19.890	ug/l	99
31) Cyclohexane	7.79	56	94273	19.859	ug/l	97
32) 1,1,1-Trichloroethane	7.71	97	77730	19.942	ug/l	99
36) 1,1-Dichloropropene	7.93	75	73358	20.234	ug/l	100
37) Ethyl Acetate	7.08	43	42470	19.961	ug/l	100
38) Carbon Tetrachloride	7.91	117	66992	20.163	ug/l	94

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	99419	20.227	ug/l	98
40) Benzene	8.17	78	214367	20.256	ug/l	100
41) Methacrylonitrile	7.33	41	24450m	24.464	ug/l	
42) 1,2-Dichloroethane	8.24	62	59378	20.038	ug/l	100
43) Isopropyl Acetate	8.28	43	81821	20.111	ug/l	98
44) Trichloroethene	8.94	130	56618	20.532	ug/l	99
45) 1,2-Dichloropropane	9.22	63	53684	20.519	ug/l	97
46) Dibromomethane	9.31	93	29037	20.341	ug/l	100
47) Bromodichloromethane	9.50	83	69689	20.032	ug/l	100
48) Methyl methacrylate	9.30	41	37459	19.896	ug/l	97
49) 1,4-Dioxane	9.30	88	7192	413.707	ug/l	93
51) 4-Methyl-2-Pentanone	10.07	43	209069	101.273	ug/l	100
52) Toluene	10.24	92	137559	20.380	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	77050	19.792	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	89431	20.376	ug/l	96
55) 1,1,2-Trichloroethane	10.64	97	43246	20.435	ug/l	97
56) Ethyl methacrylate	10.51	69	64774	20.009	ug/l	99
57) 1,3-Dichloropropane	10.79	76	74741	20.573	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	110571	97.116	ug/l	100
59) 2-Hexanone	10.83	43	147959	102.266	ug/l	99
60) Dibromochloromethane	10.99	129	48411	19.868	ug/l	99
61) 1,2-Dibromoethane	11.09	107	41711	20.186	ug/l	100
64) Tetrachloroethene	10.72	164	45379	19.903	ug/l	98
65) Chlorobenzene	11.51	112	143300	20.276	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	49385	20.275	ug/l	98
67) Ethyl Benzene	11.59	91	262981	20.341	ug/l	100
68) m/p-Xylenes	11.70	106	200732	41.159	ug/l	99
69) o-Xylene	12.03	106	95567	20.438	ug/l	99
70) Styrene	12.04	104	165868	20.217	ug/l	99
71) Bromoform	12.20	173	30146	20.069	ug/l #	100
73) Isopropylbenzene	12.33	105	254134	20.342	ug/l	100
74) N-amyl acetate	12.14	43	78177	20.051	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	53968	20.532	ug/l	100
76) 1,2,3-Trichloropropane	12.63	75	34997m	19.673	ug/l	
77) Bromobenzene	12.61	156	57148	20.702	ug/l	95
78) n-propylbenzene	12.67	91	305531	20.332	ug/l	100
79) 2-Chlorotoluene	12.75	91	174590	20.230	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	216736	20.792	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	21191	20.200	ug/l #	96
82) 4-Chlorotoluene	12.85	91	186286	20.219	ug/l	99
83) tert-Butylbenzene	13.07	119	182095	20.790	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	214188	20.691	ug/l	99
85) sec-Butylbenzene	13.25	105	263298	20.896	ug/l	100
86) p-Isopropyltoluene	13.36	119	231322	21.144	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	109728	21.018	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	111763	20.801	ug/l	99
89) n-Butylbenzene	13.69	91	229470	20.825	ug/l	99
90) Hexachloroethane	13.96	117	44014	20.590	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	100872	20.790	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	9787	20.642	ug/l	98

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ClientSampleId :
VY0110SBSD01

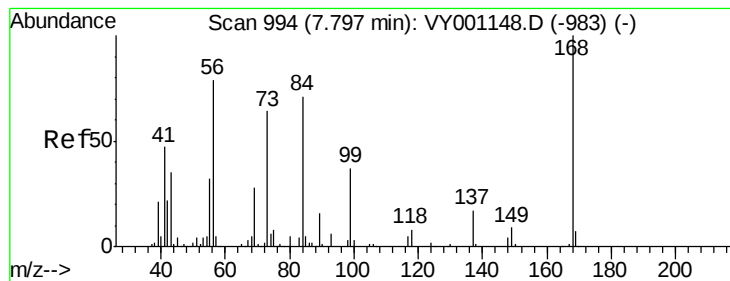
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	66877	20.920	ug/l	99
94) Hexachlorobutadiene	15.11	225	33443	20.766	ug/l	99
95) Naphthalene	15.23	128	154357	20.741	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	59113	20.982	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBSD01

Tot Ion:168 Resp: 232391

Ion Ratio Lower Upper

168 100

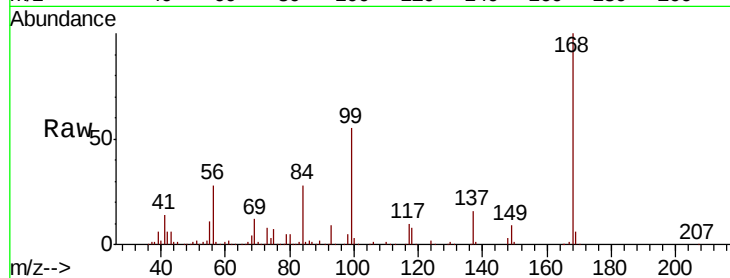
99 54.9 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001154.D (-945) (-)

Ion 98.90 (98.60 to 99.60): VY001154.D (-945) (-)

7.80

100000

80000

60000

40000

20000

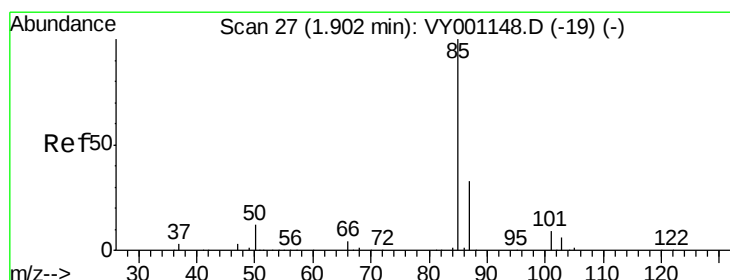
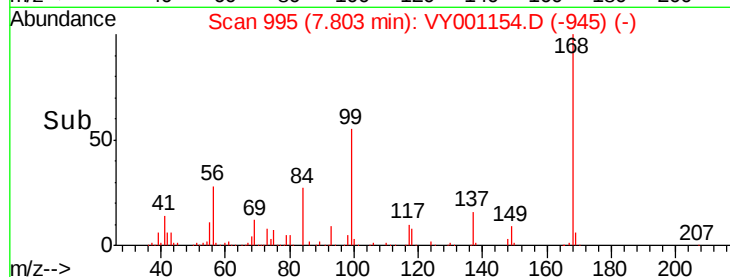
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 21.755 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001154.D

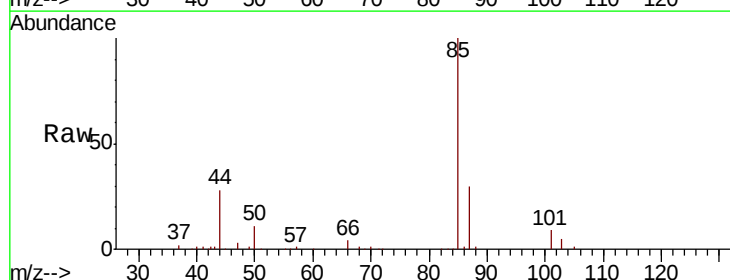
Acq: 10 Jan 2020 18:04

Tgt Ion: 85 Resp: 38828

Ion Ratio Lower Upper

85 100

87 29.8 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001154.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001154.D (-1) (-)

1.90

30000

25000

20000

15000

10000

5000

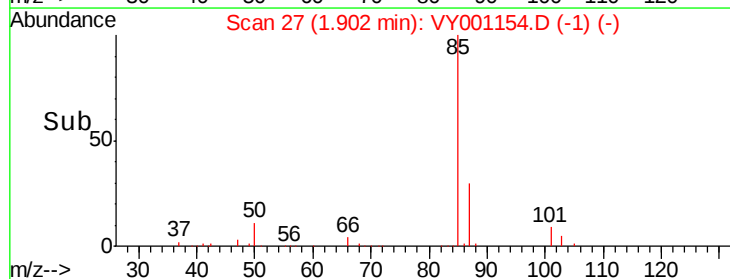
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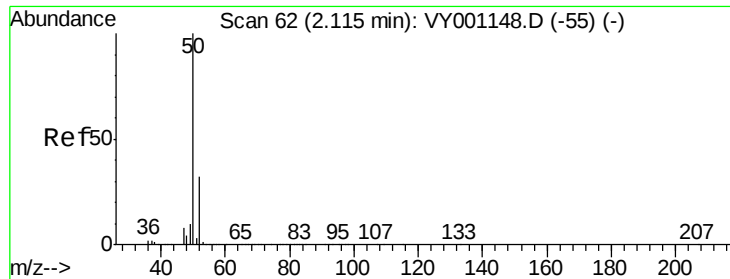
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 20.113 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBSD01

Tot Ion: 50 Resp: 51743

Ion Ratio Lower Upper

50 100

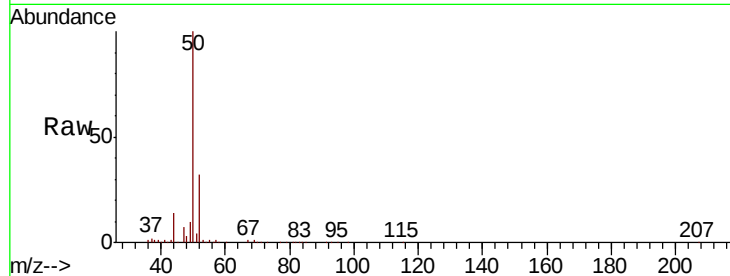
52 32.1 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.12

40000

30000

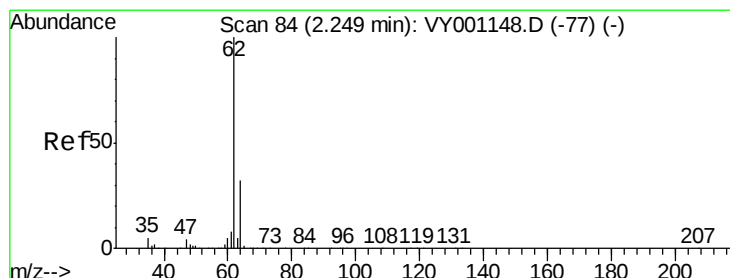
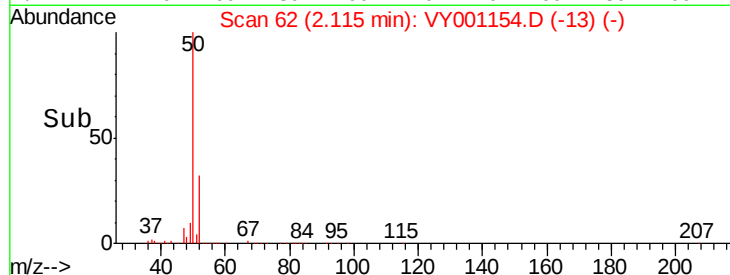
20000

10000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 20.594 ug/l

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY001154.D

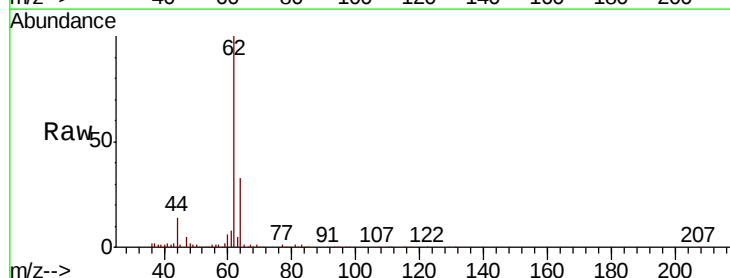
Acq: 10 Jan 2020 18:04

Tgt Ion: 62 Resp: 53374

Ion Ratio Lower Upper

62 100

64 33.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.25

30000

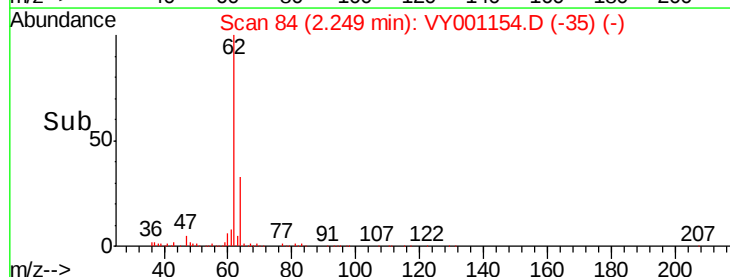
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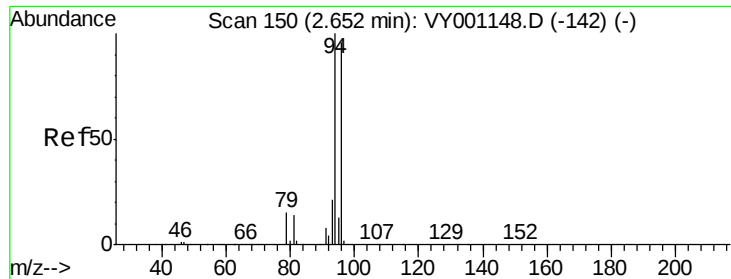
10000

0

Time-->

2.20 2.30 2.40





#5

Bromomethane

Concen: 20.975 ug/l

RT: 2.65 min Scan# 149

Delta R.T. -0.01 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBSD01

Tot Ion: 94 Resp: 29200

Ion Ratio Lower Upper

94 100

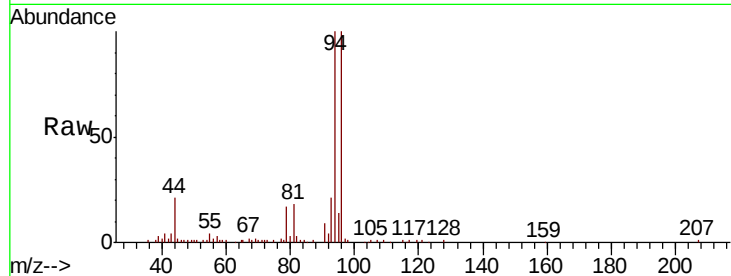
96 98.4 77.3 115.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

15000

10000

5000

0

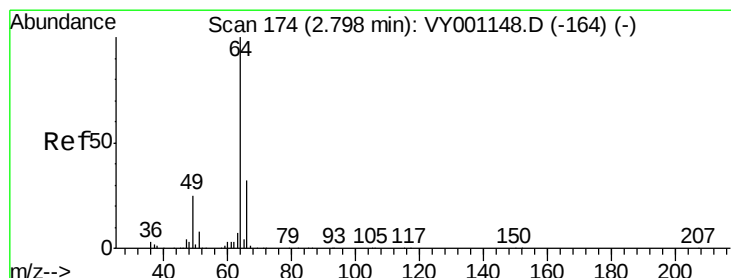
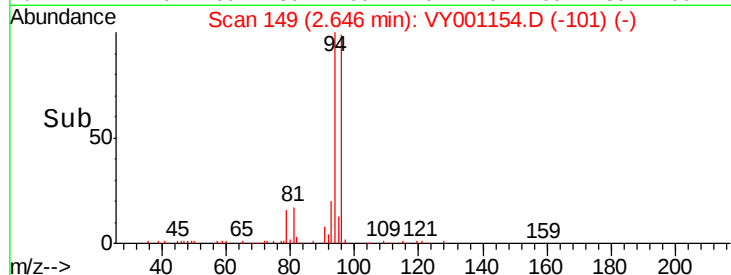
2.65

2.60

2.70

2.80

Time-->



#6

Chloroethane

Concen: 20.178 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.01 min

Lab File: VY001154.D

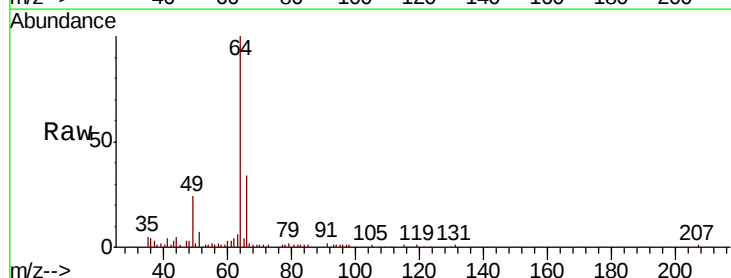
Acq: 10 Jan 2020 18:04

Tgt Ion: 64 Resp: 30213

Ion Ratio Lower Upper

64 100

66 33.9 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

15000

10000

5000

0

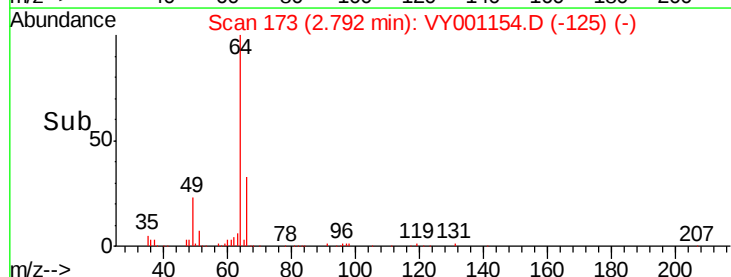
2.79

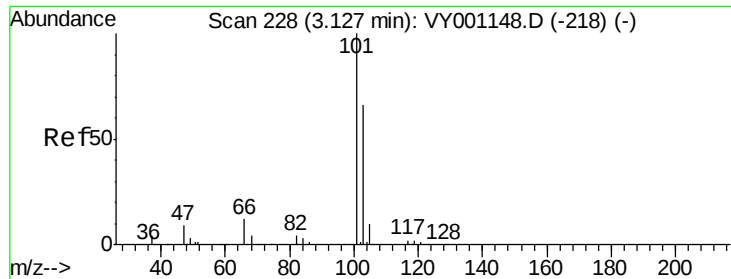
2.70

2.80

2.90

Time-->





#7

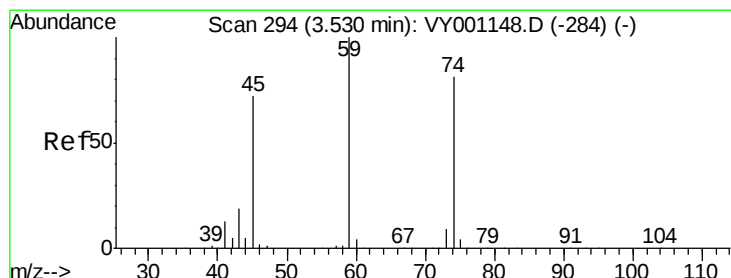
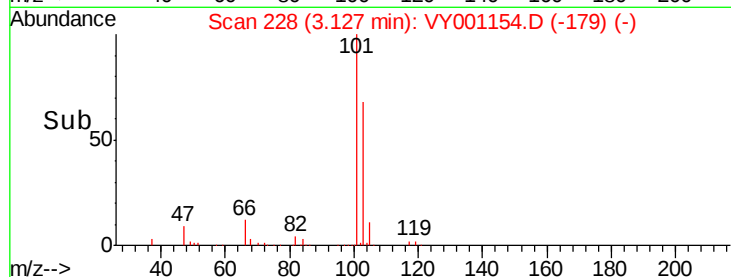
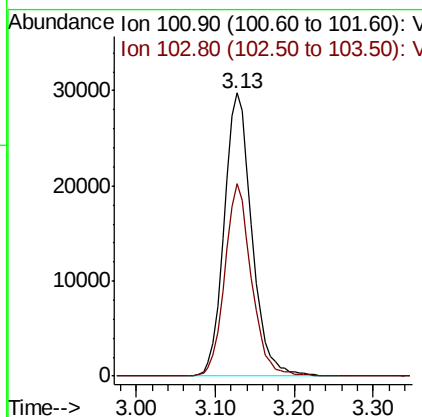
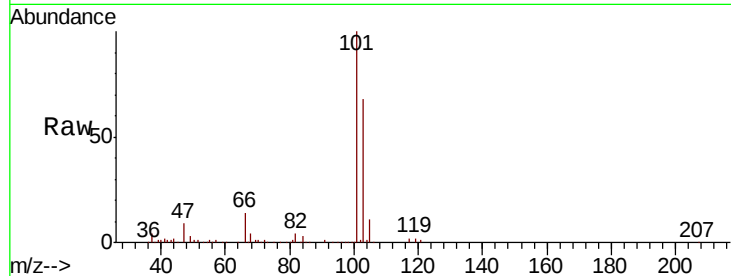
Trichlorofluoromethane
Concen: 20.085 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	52.6	79.0

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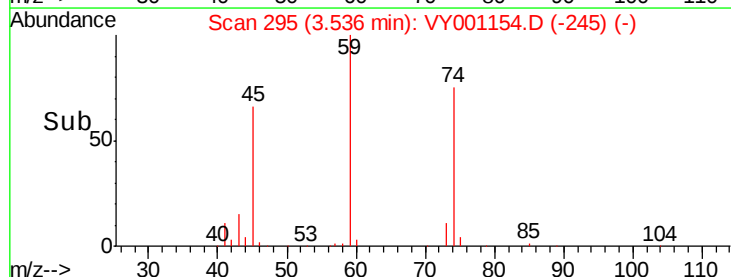
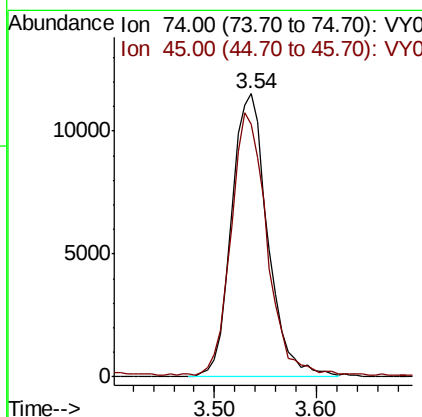
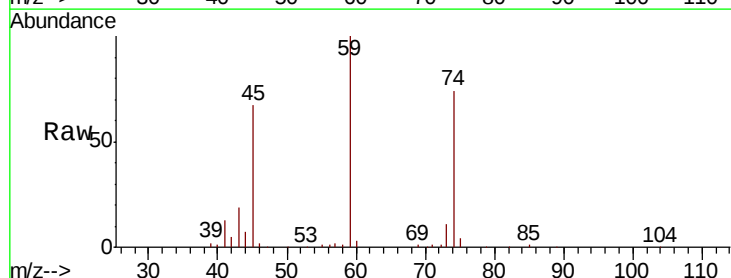
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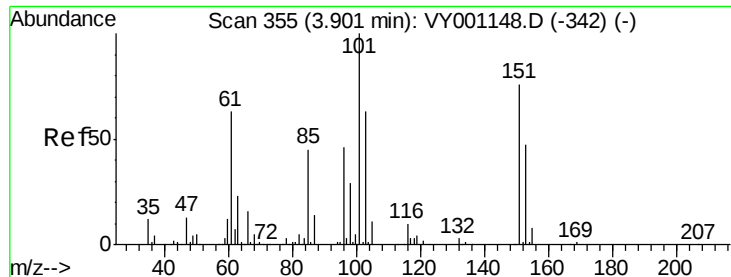


#8

Diethyl Ether
Concen: 20.151 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.457 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

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MSVOA_Y

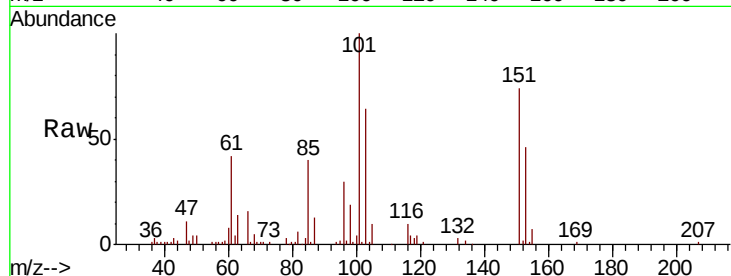
ClientSampleId :

VY0110SBSD01

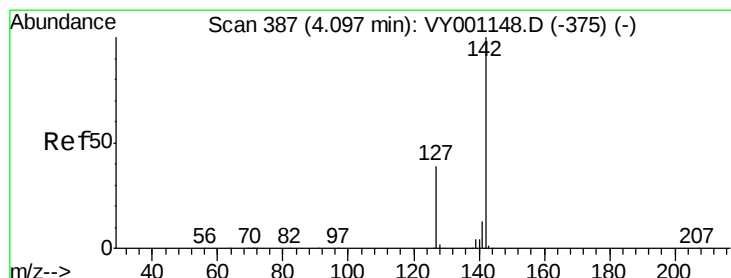
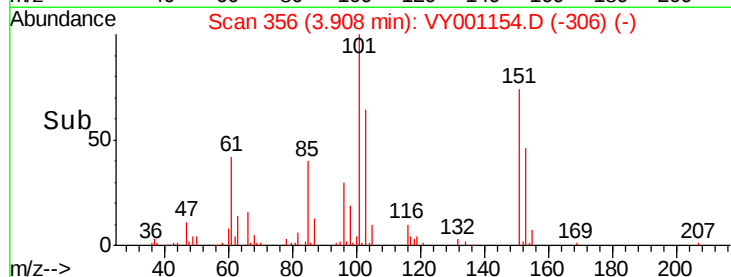
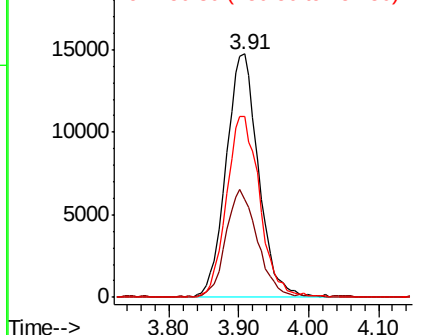
Tot Ion:	101	Resp:	47503
Ion Ratio	Lower	Upper	
101	100		
85	43.4	35.2	52.8
151	76.1	61.4	92.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.670 ug/l

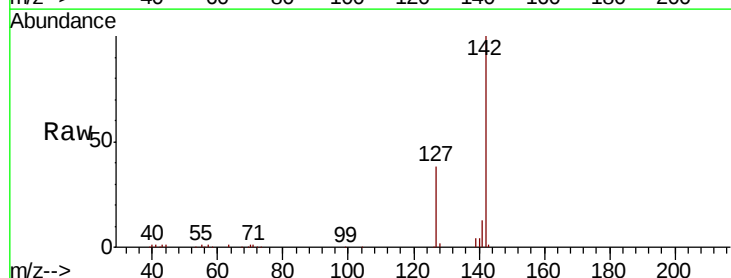
RT: 4.10 min Scan# 387

Delta R.T. 0.00 min

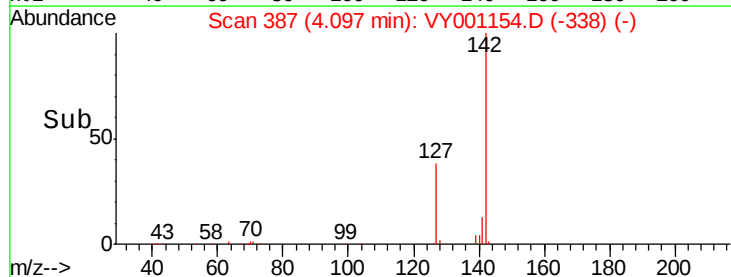
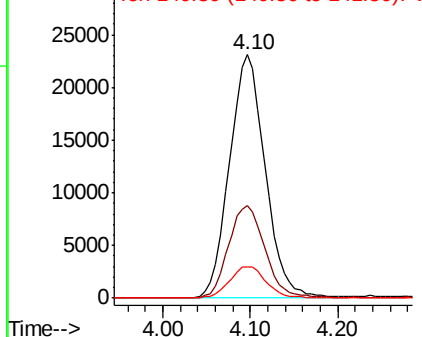
Lab File: VY001154.D

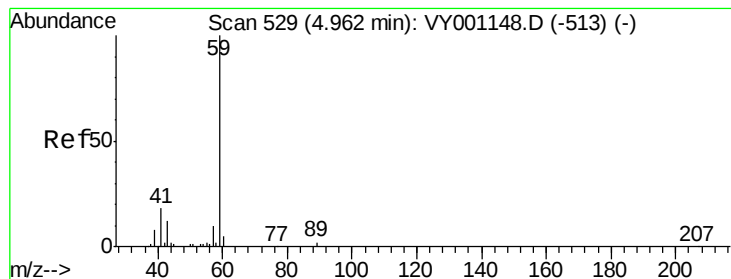
Acq: 10 Jan 2020 18:04

Tgt Ion:	142	Resp:	65698
Ion Ratio	Lower	Upper	
142	100		
127	38.6	30.8	46.2
141	13.3	11.0	16.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

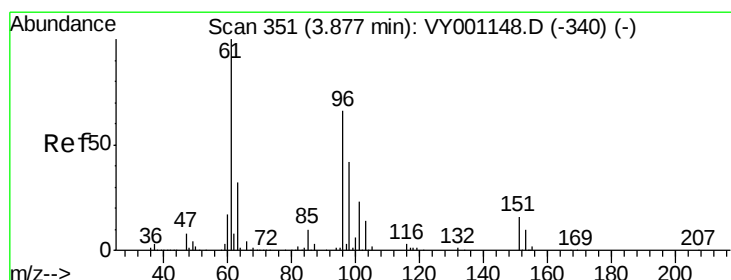
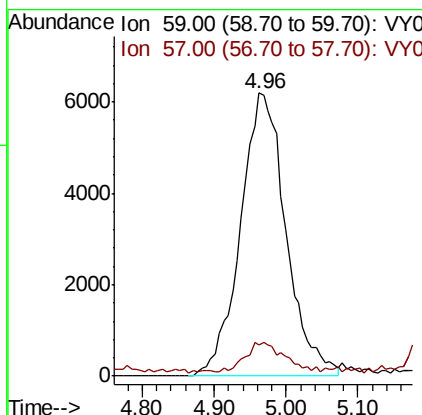
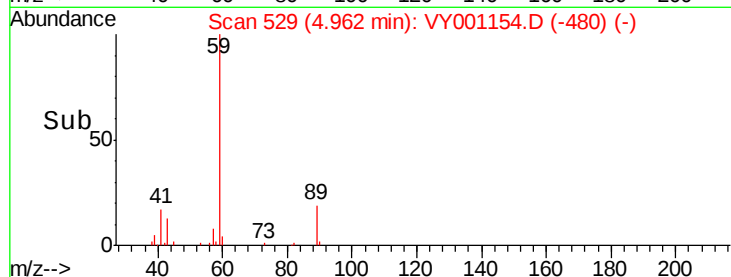
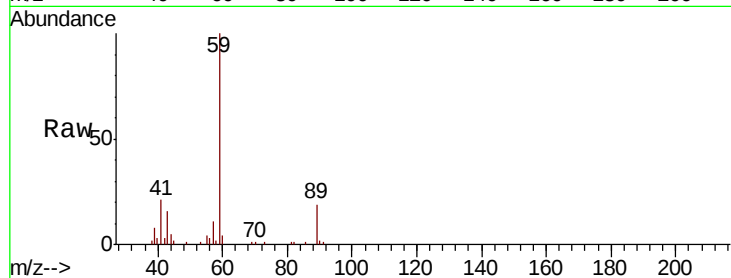
Tert butyl alcohol
Concen: 110.281 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	7.8	11.8

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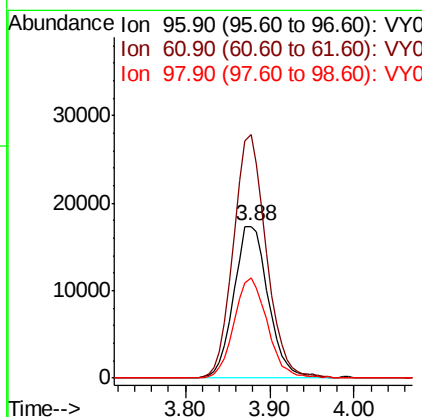
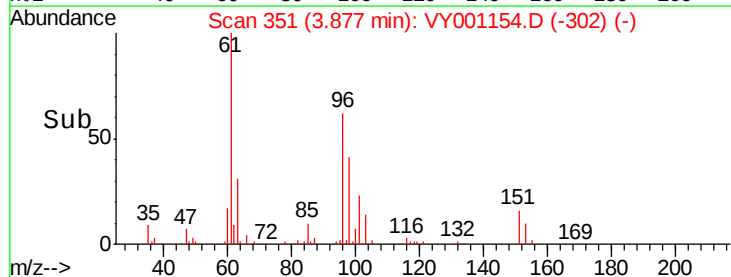
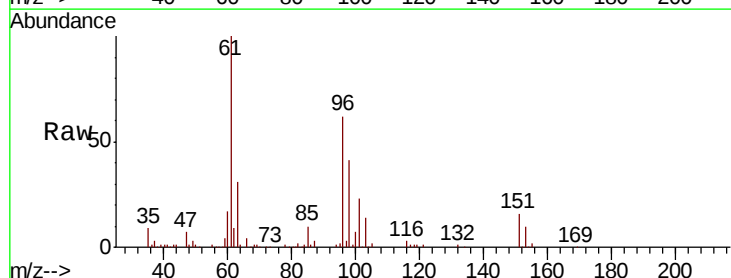
MMDadoda
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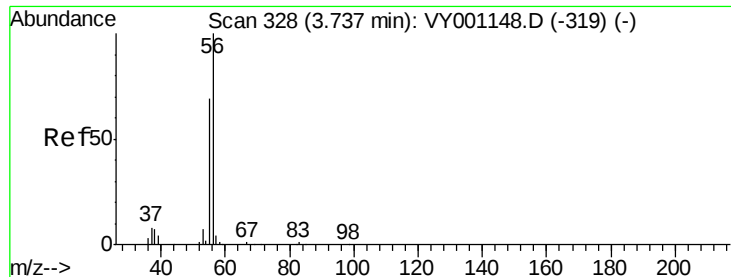


#12

1,1-Dichloroethene
Concen: 20.282 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.3	122.1	183.1
98	66.3	51.0	76.6





#13

Acrolein

Concen: 104.575 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 56 Resp: 23249

Ion Ratio Lower Upper

56 100

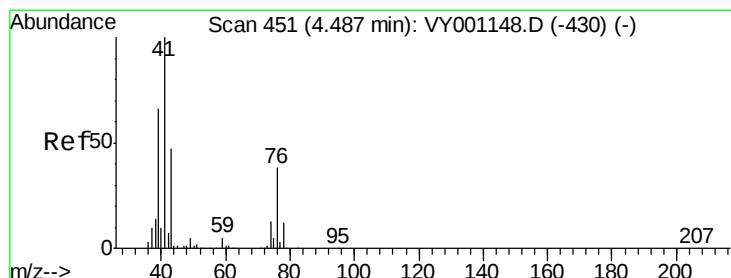
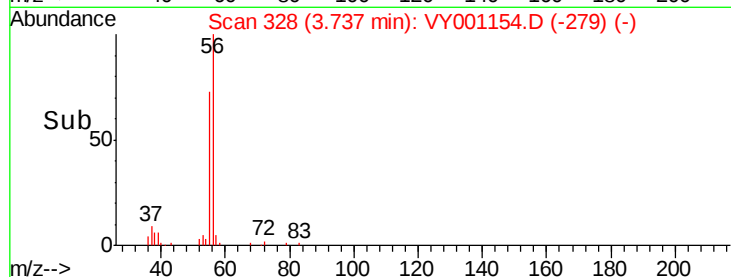
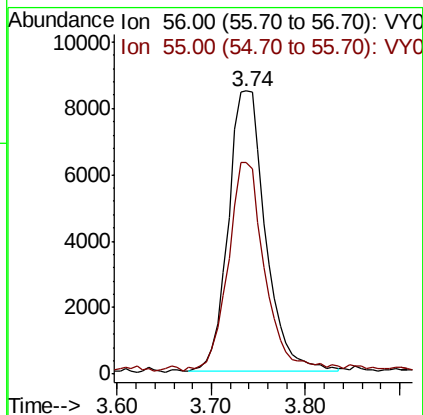
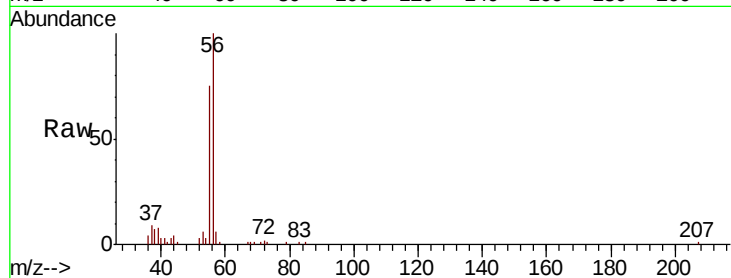
55 73.0 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.036 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

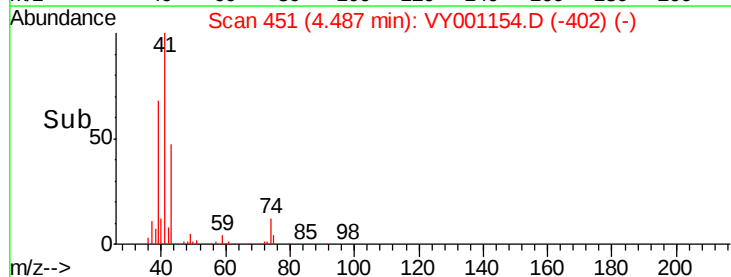
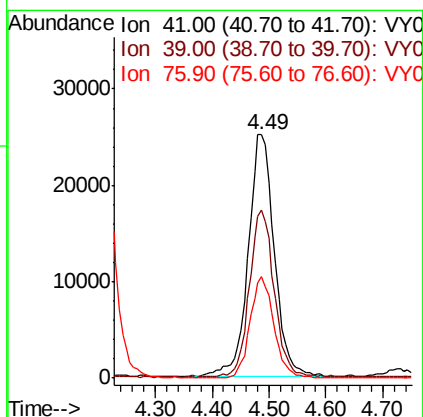
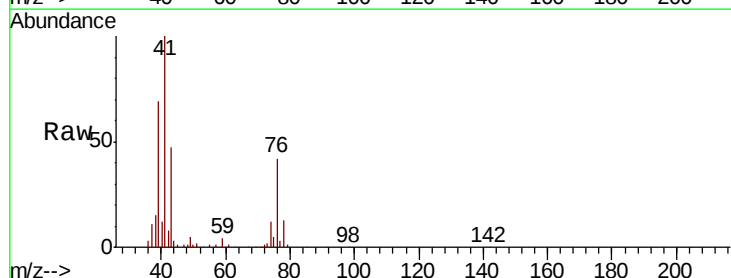
Tgt Ion: 41 Resp: 80337

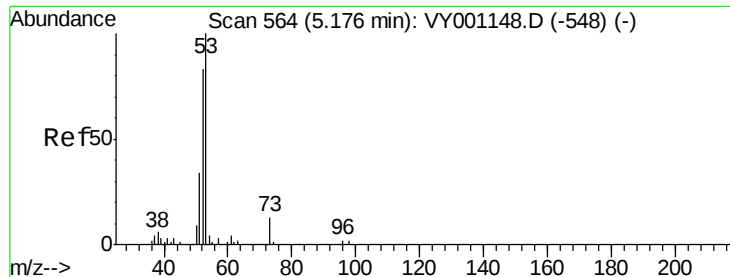
Ion Ratio Lower Upper

41 100

39 65.4 52.6 78.8

76 38.1 30.2 45.2





#15

Acrylonitrile

Concen: 101.917 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

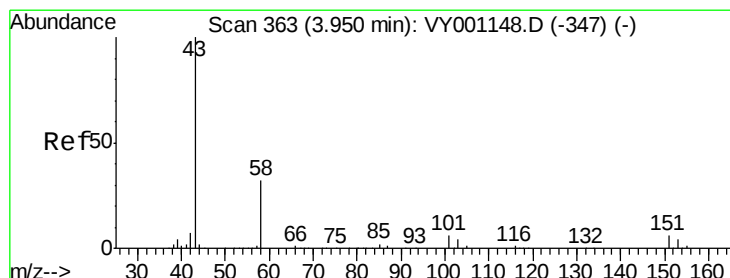
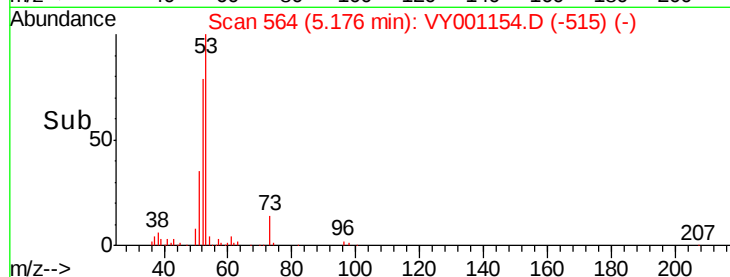
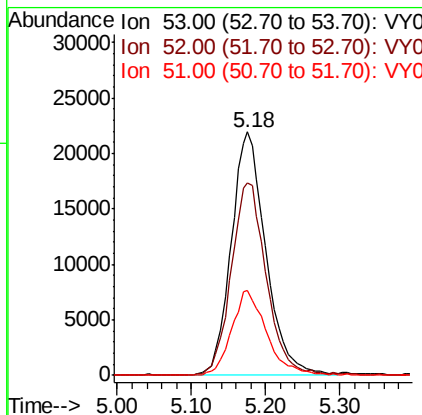
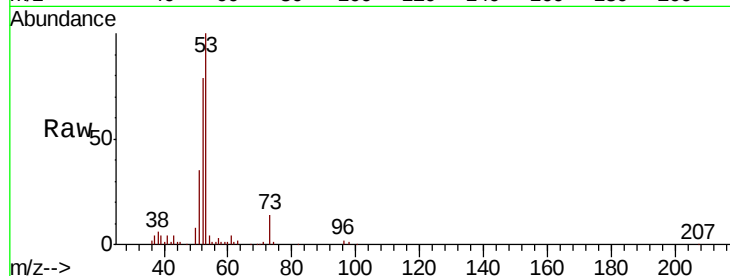
ClientSampleId :

VY0110SBSD01

Tot Ion:	53	Resp:	71450
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.7	98.5
51	35.3	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 95.083 ug/l

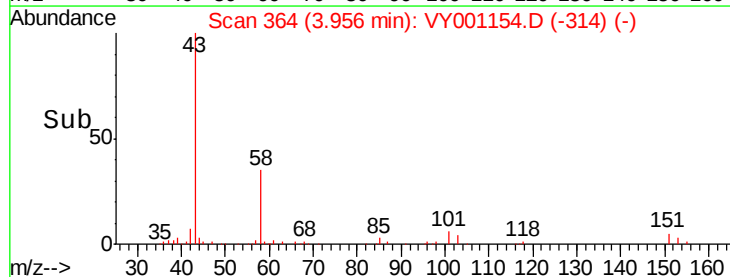
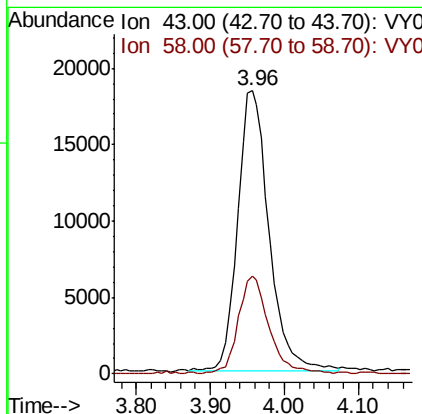
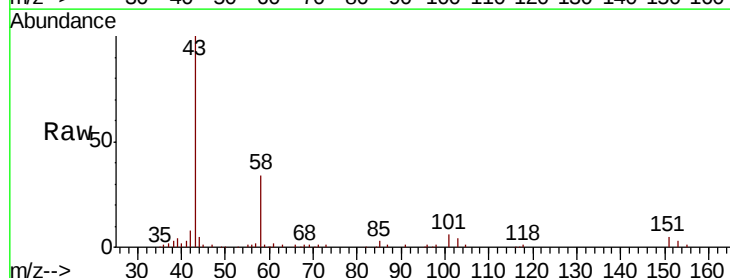
RT: 3.96 min Scan# 364

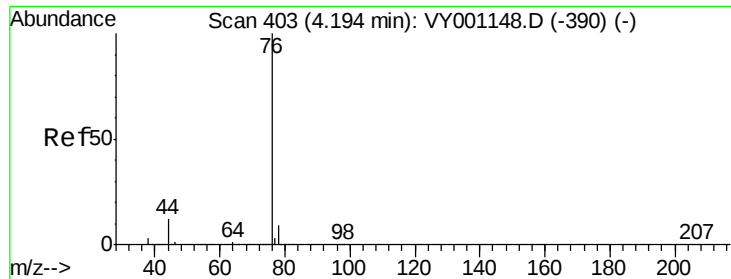
Delta R.T. 0.01 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion:	43	Resp:	54200
Ion	Ratio	Lower	Upper
43	100		
58	34.4	25.8	38.6





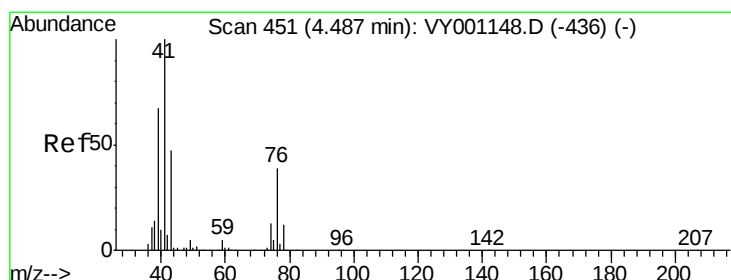
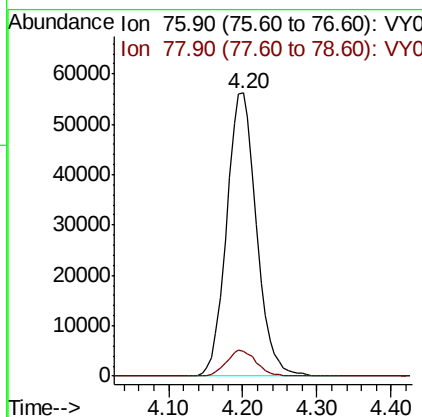
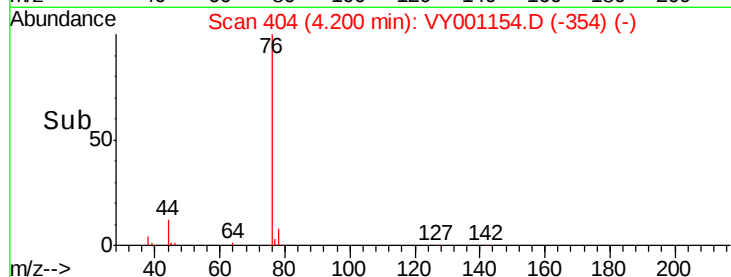
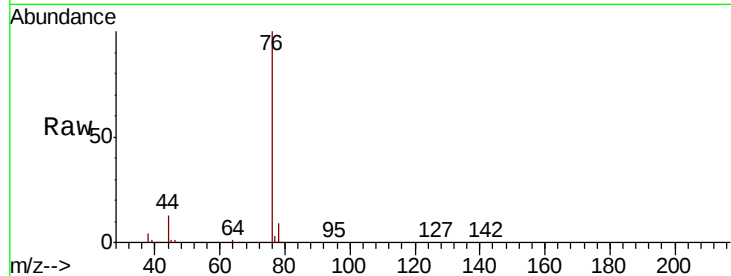
#17
Carbon Disulfide
Concen: 20.514 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

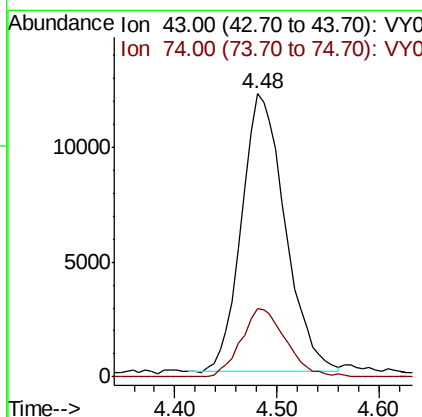
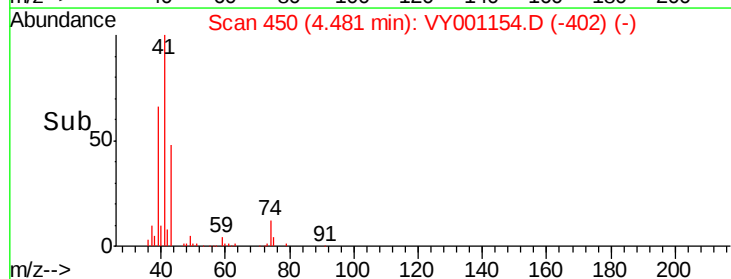
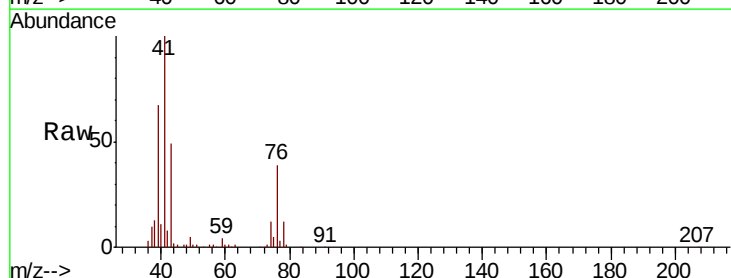
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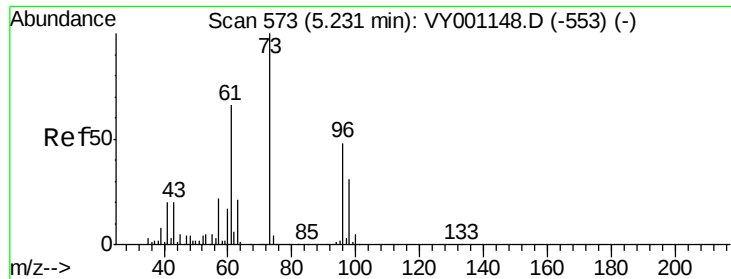
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#18
Methyl Acetate
Concen: 19.079 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	20.2	30.2





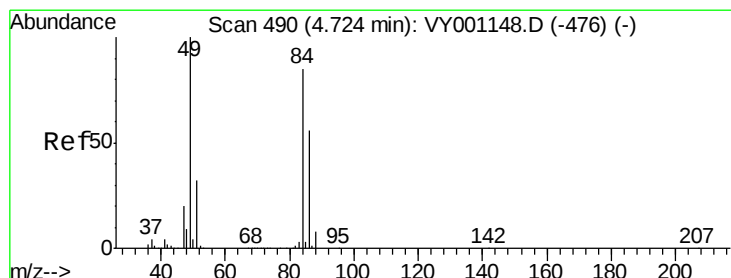
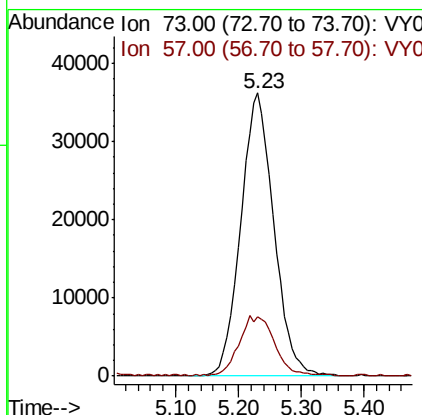
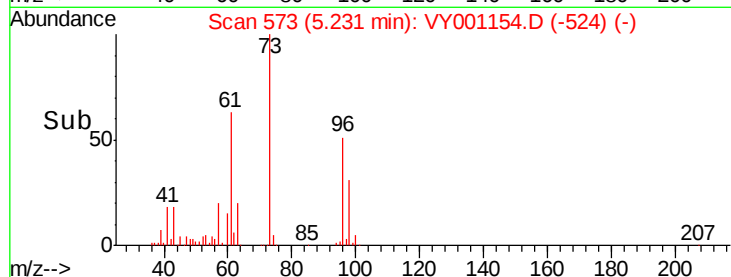
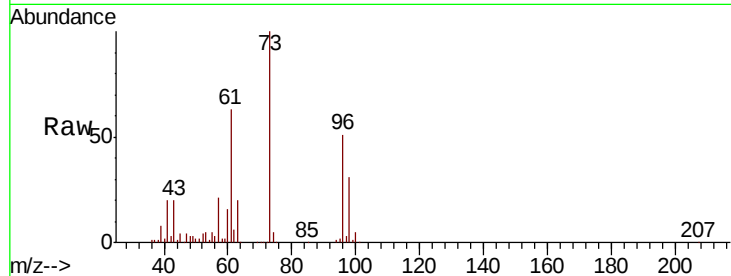
#19
Methvl tert-butvl Ether
Concen: 20.093 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion: 73 Resp: 132042
Ion Ratio Lower Upper
73 100
57 20.7 17.8 26.6

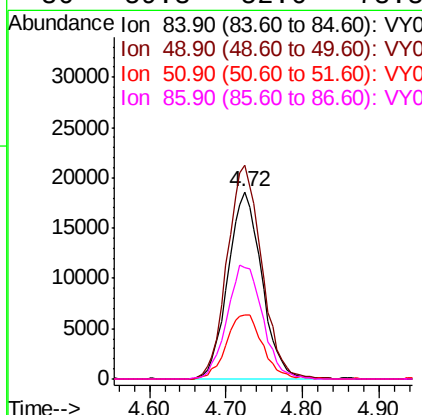
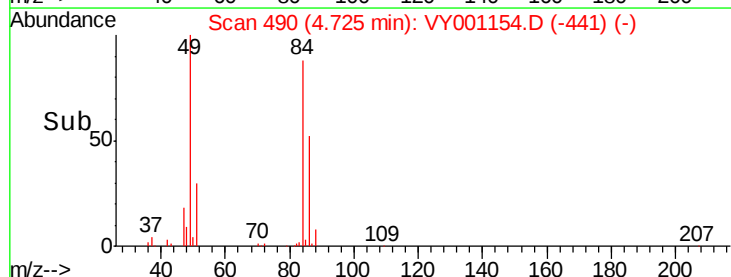
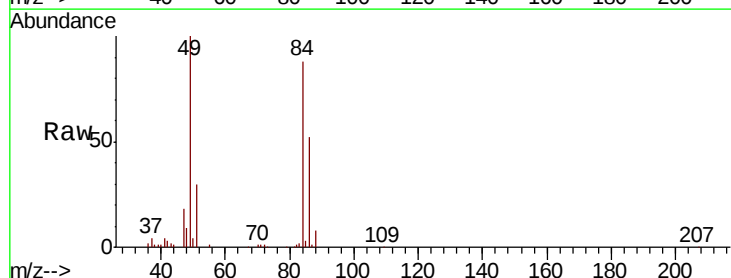
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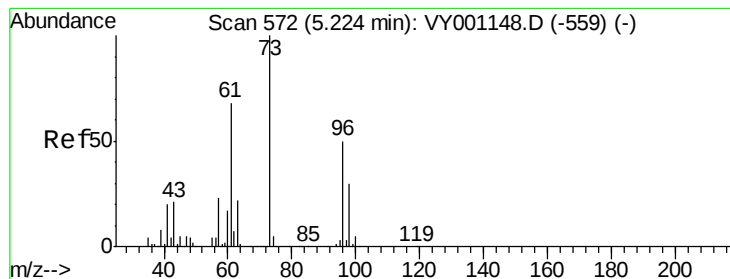
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#20
Methylene Chloride
Concen: 18.006 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion: 84 Resp: 57220
Ion Ratio Lower Upper
84 100
49 114.1 93.8 140.6
51 34.3 29.9 44.9
86 59.3 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 20.067 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

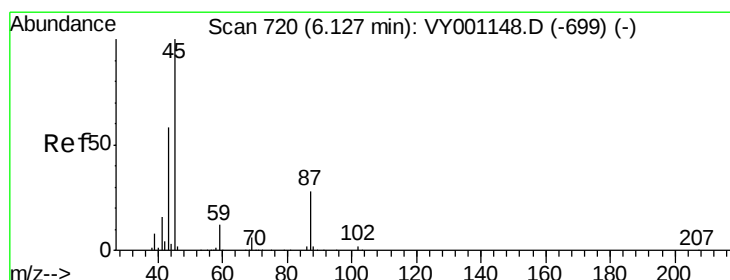
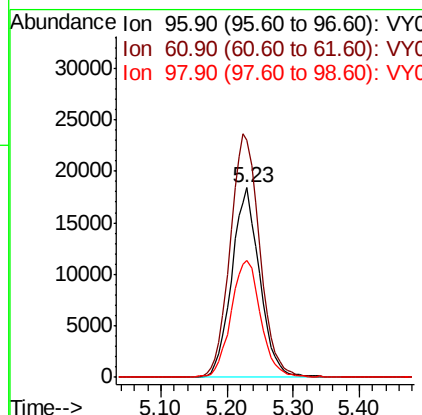
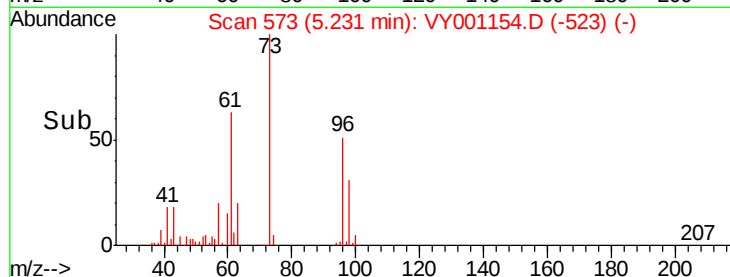
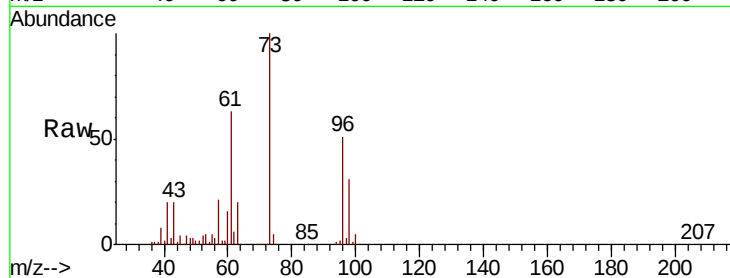
ClientSampleId :

VY0110SBS01

Tot Ion:	96	Resp:	54057
Ion	Ratio	Lower	Upper
96	100		
61	125.0	107.6	161.4
98	61.7	47.6	71.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.606 ug/l

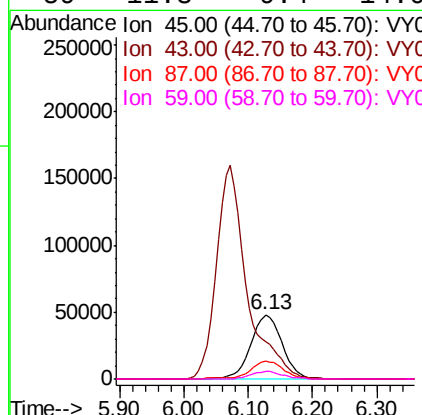
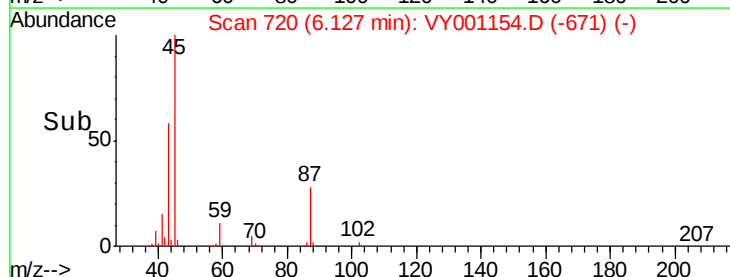
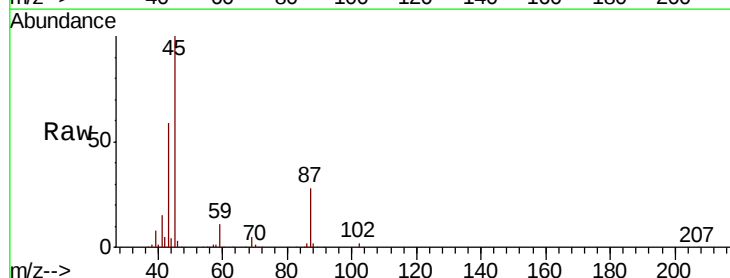
RT: 6.13 min Scan# 720

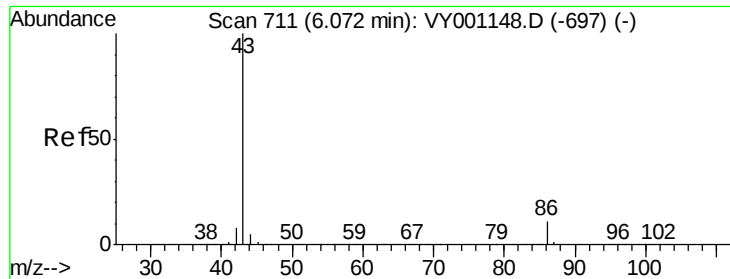
Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion:	45	Resp:	160566
Ion	Ratio	Lower	Upper
45	100		
43	58.1	46.5	69.7
87	27.9	22.5	33.7
59	11.3	9.4	14.0





#23

Vinyl Acetate

Concen: 101.280 ug/l

RT: 6.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 43 Resp: 530462

Ion Ratio Lower Upper

43 100

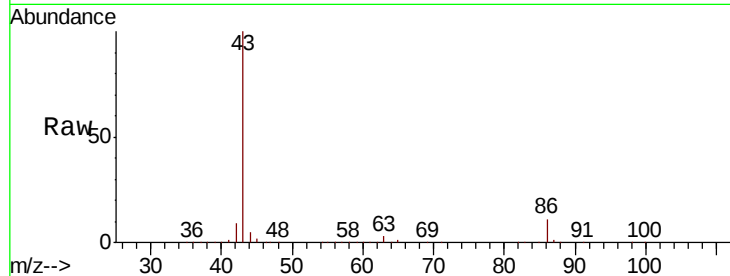
86 11.3 9.0 13.4

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.07

150000

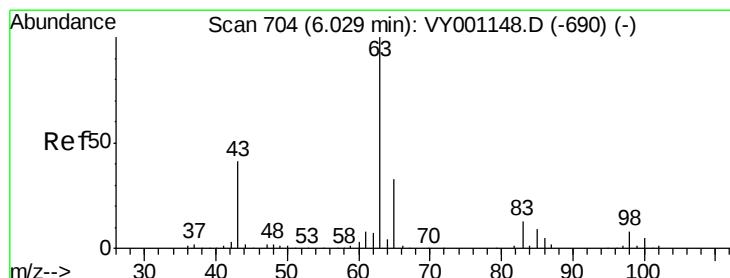
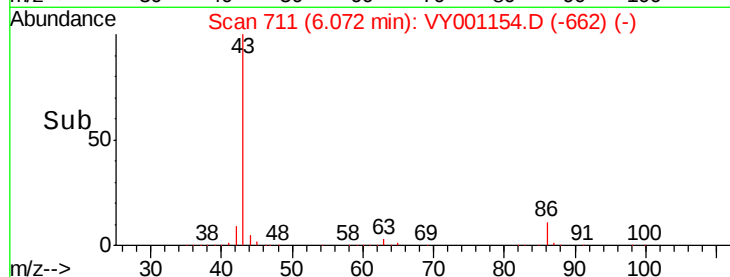
100000

50000

0

5.90 6.00 6.10 6.20 6.30

Time-->



#24

1,1-Dichloroethane

Concen: 20.072 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

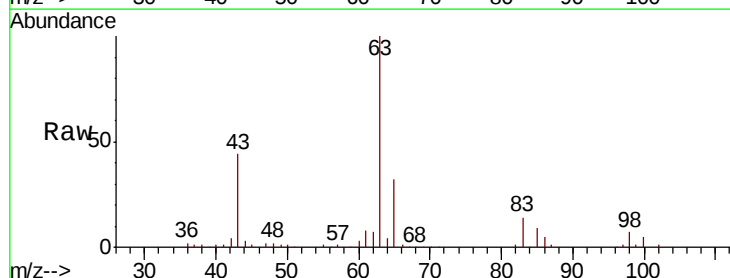
Tgt Ion: 63 Resp: 89990

Ion Ratio Lower Upper

63 100

98 7.3 3.9 11.7

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.03

30000

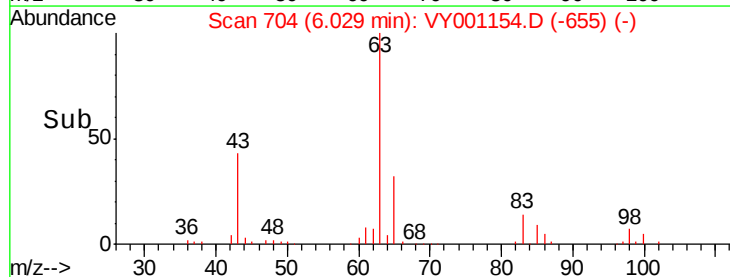
20000

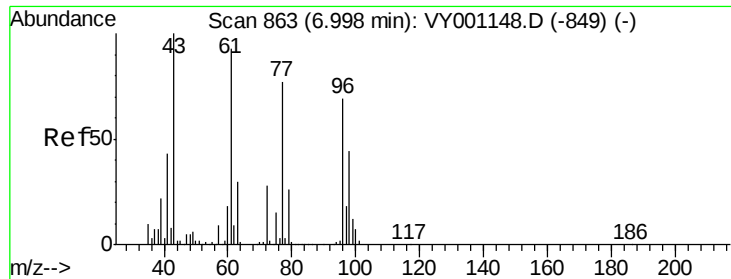
10000

0

5.90 6.00 6.10 6.20

Time-->





#25

2-Butanone

Concen: 103.333 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBSD01

Tot Ion: 43 Resp: 91673

Ion Ratio Lower Upper

43 100

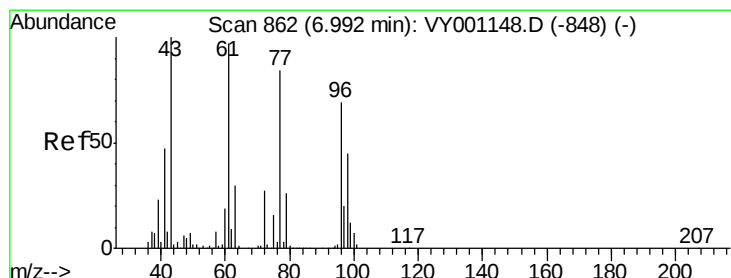
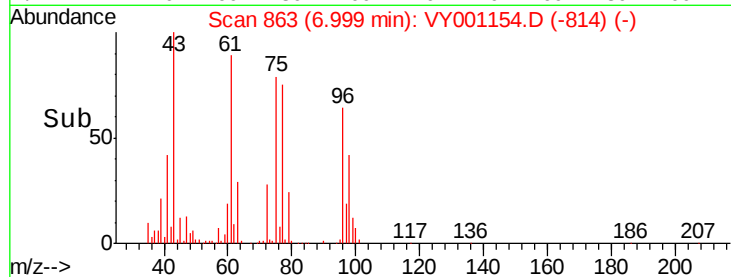
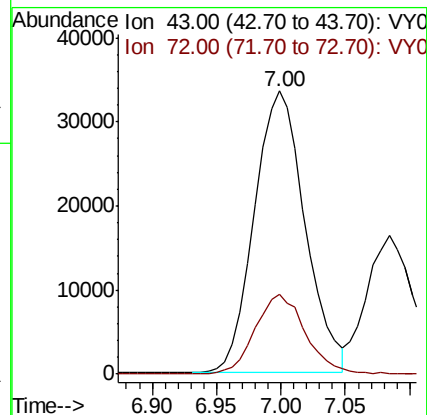
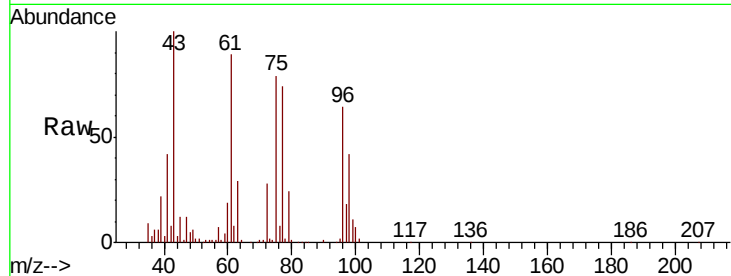
72 28.5 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.010 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001154.D

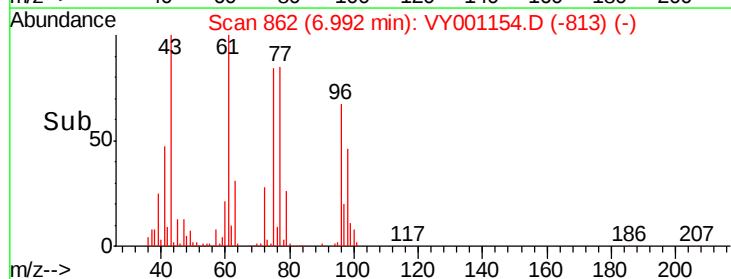
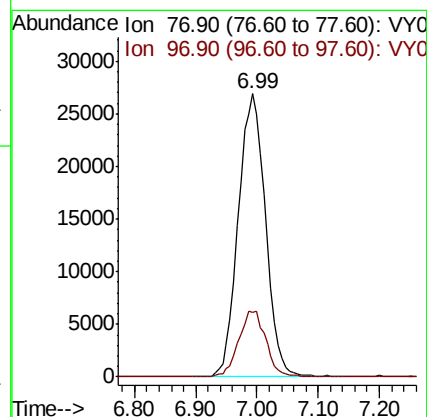
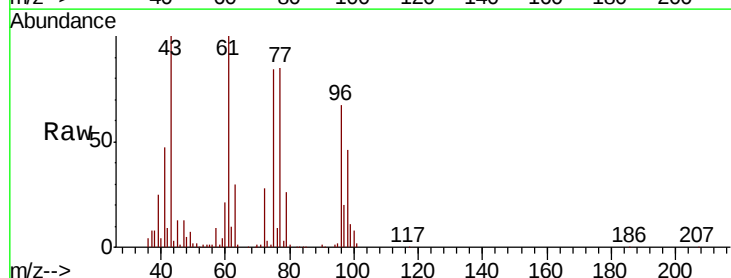
Acq: 10 Jan 2020 18:04

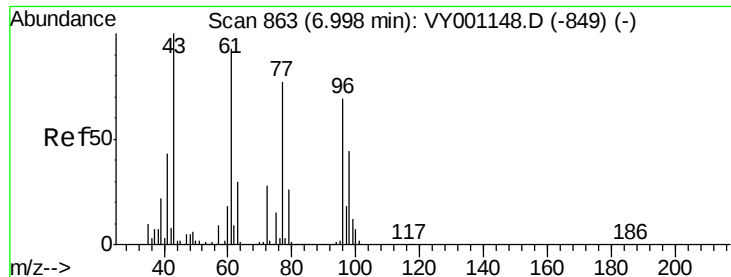
Tgt Ion: 77 Resp: 82497

Ion Ratio Lower Upper

77 100

97 23.2 11.9 35.7





#27

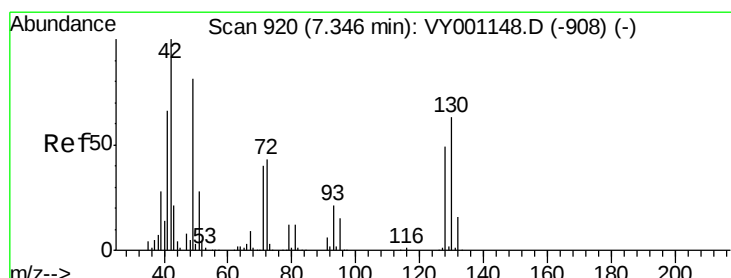
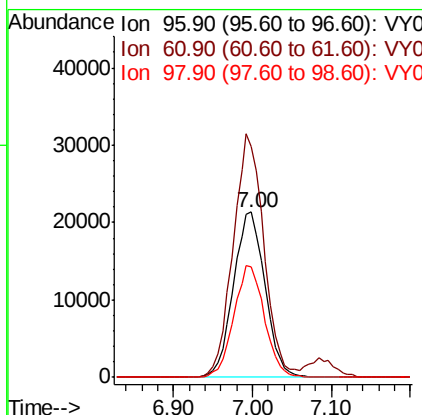
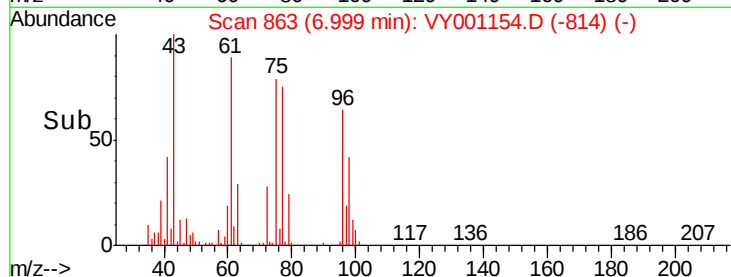
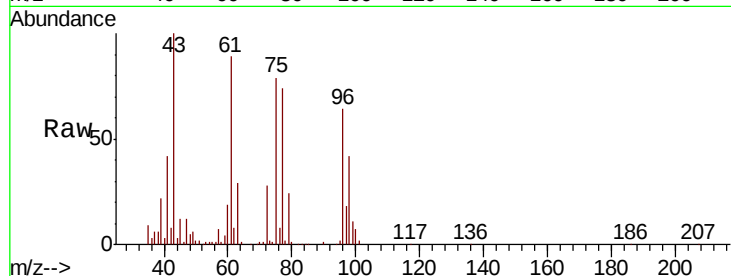
cis-1,2-Dichloroethene
 Concen: 20.186 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	284.0
98	65.4	0.0	130.2

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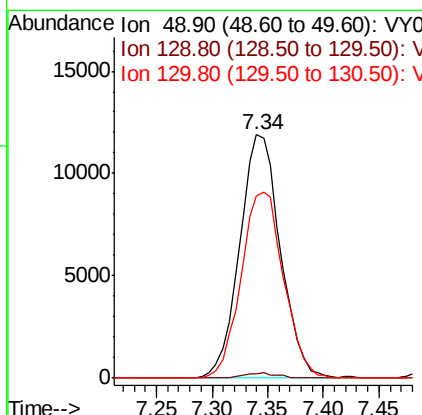
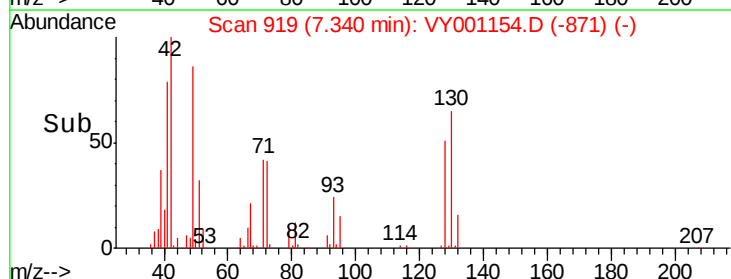
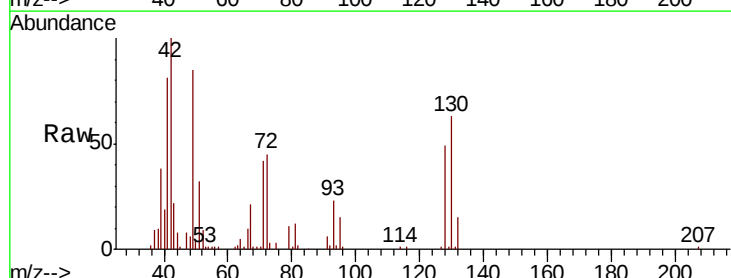
MMDadoda
 1/13/2020 12:39:21 PM

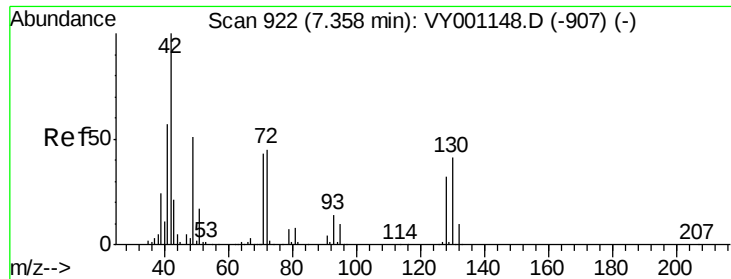


#28

Bromochloromethane
 Concen: 16.408 ug/l
 RT: 7.34 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.4
130	79.8	61.2	91.8





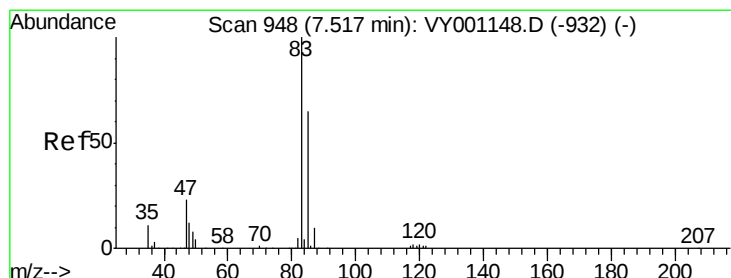
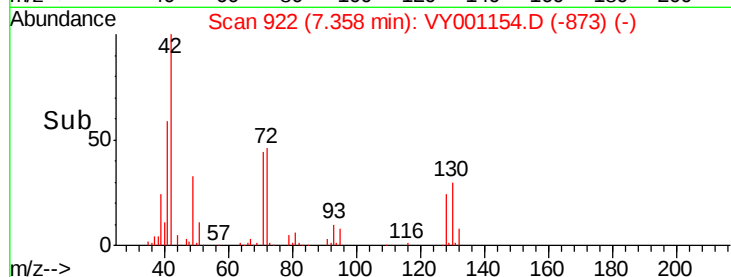
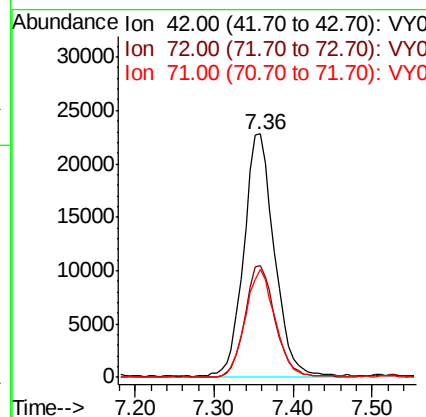
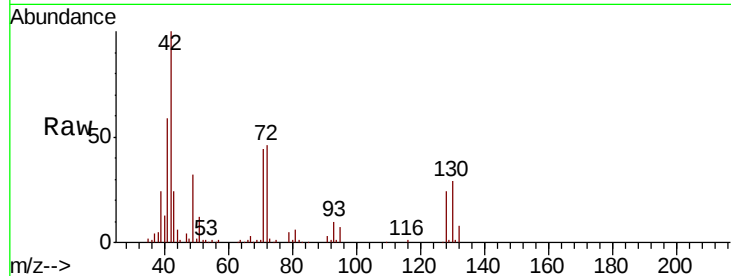
#29
Tetrahydrofuran
Concen: 100.402 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.7	36.9	55.3
71	43.0	34.0	51.0

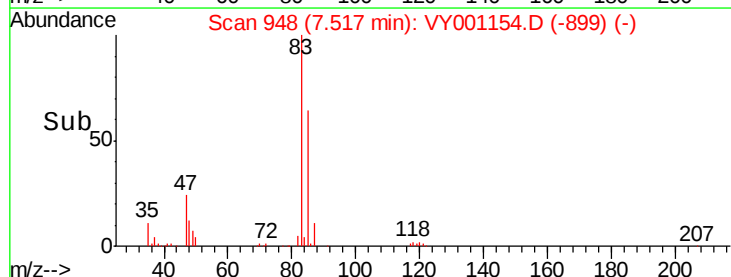
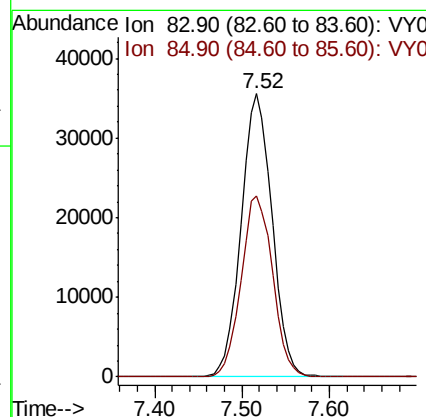
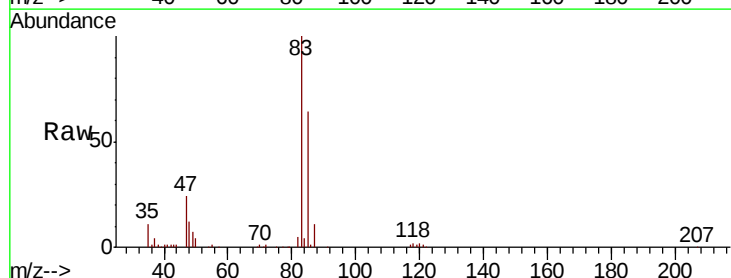
Manual Integrations
APPROVED

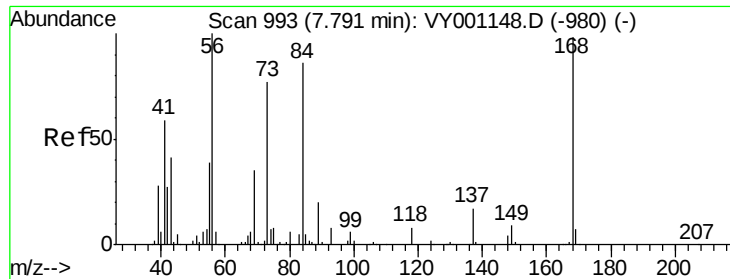
MMDadoda
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#30
Chloroform
Concen: 19.890 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.9	77.9





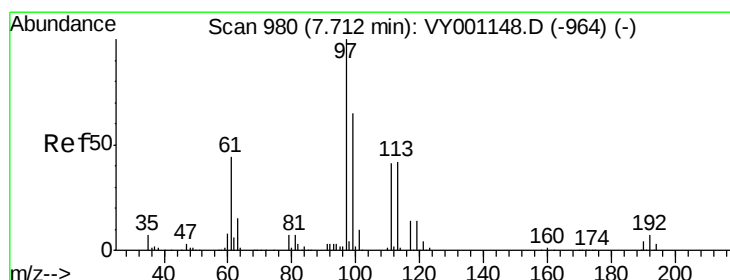
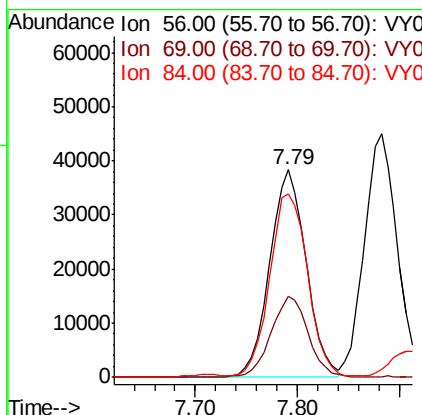
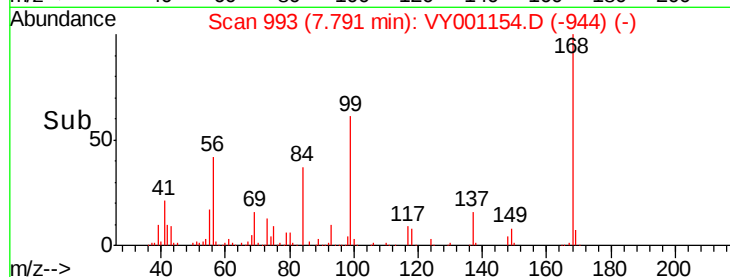
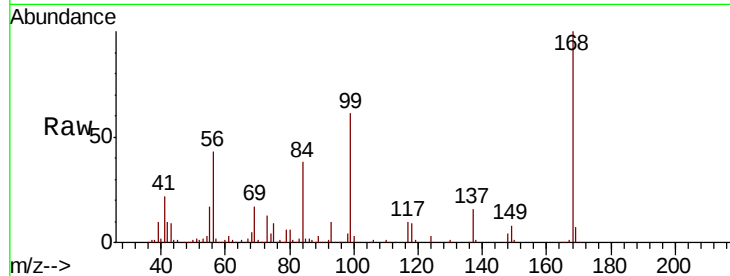
#31
Cyclohexane
Concen: 19.859 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.9	27.8	41.8
84	87.8	68.9	103.3

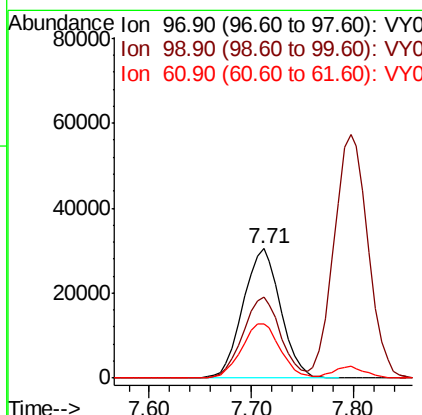
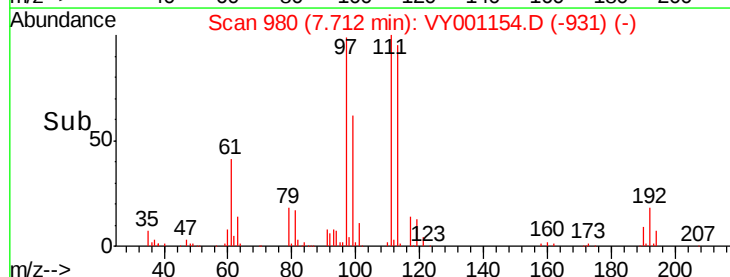
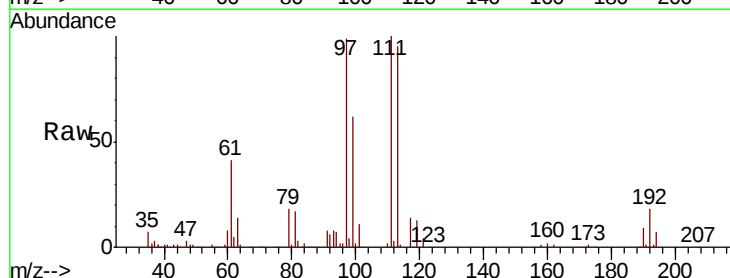
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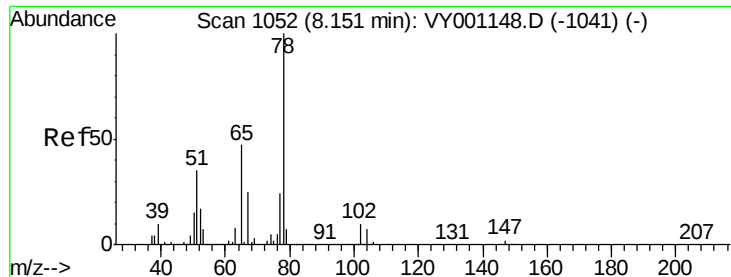
MMDadoda
1/13/2020 12:39:21 PM



#32
1,1,1-Trichloroethane
Concen: 19.942 ug/l
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.3	76.9
61	43.2	34.6	52.0





#33

1,2-Dichloroethane-d4

Concen: 49.080 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 65 Resp: 120464

Ion Ratio Lower Upper

65 100

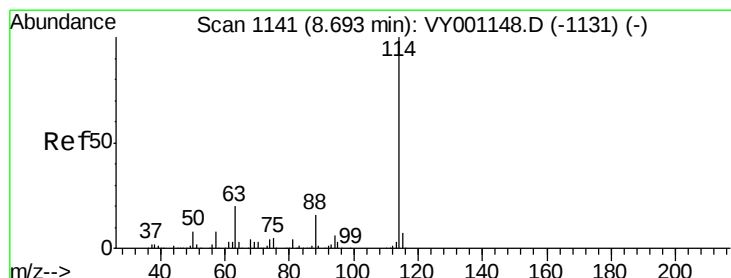
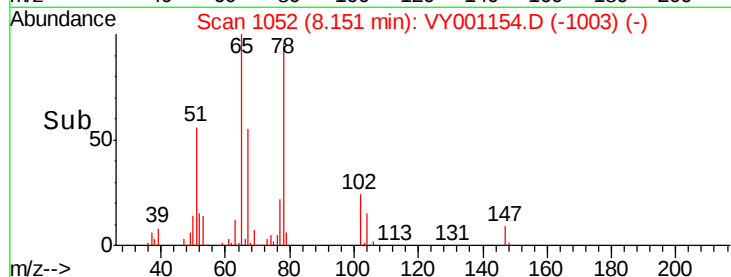
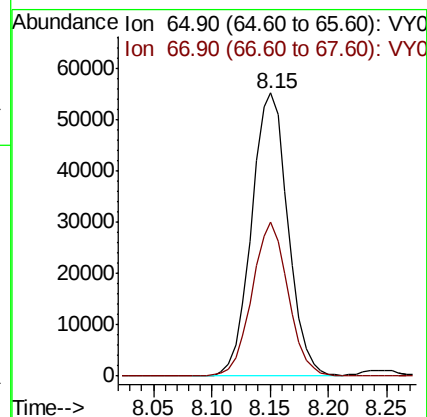
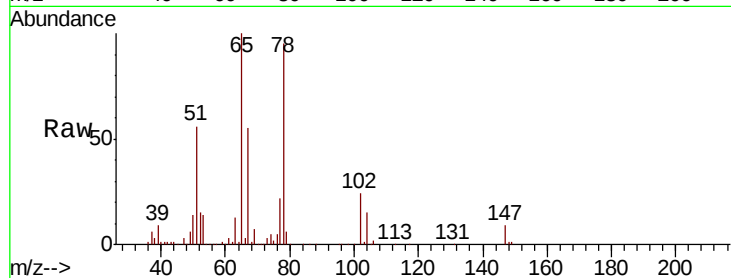
67 54.1 0.0 105.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.69 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

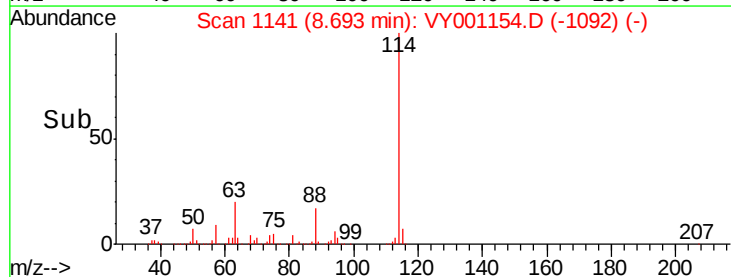
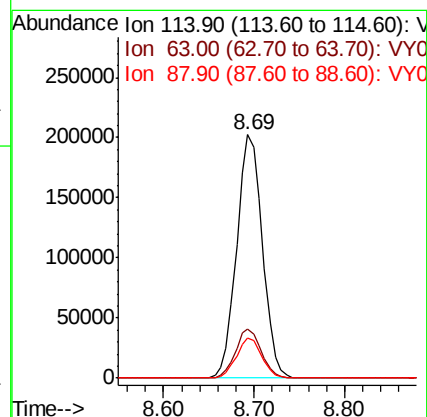
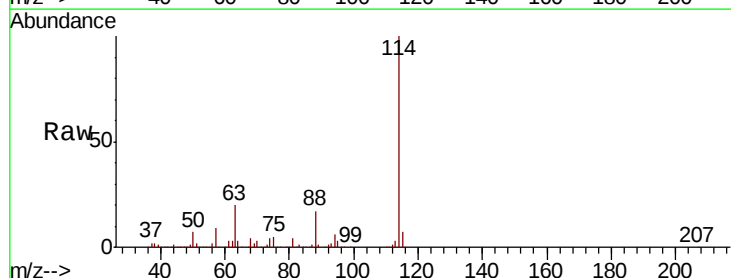
Tgt Ion: 114 Resp: 397768

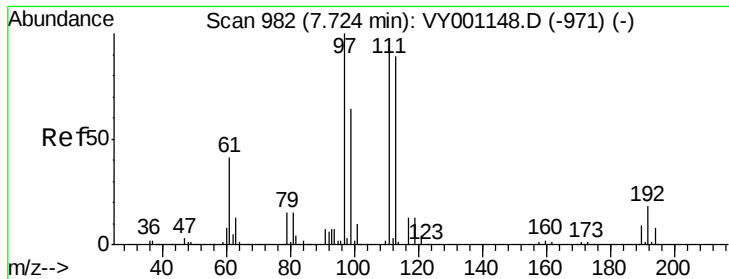
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.7 0.0 32.4





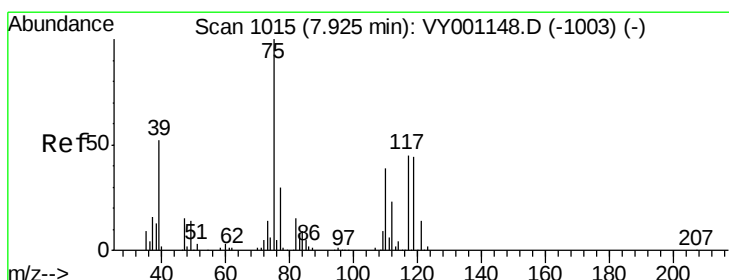
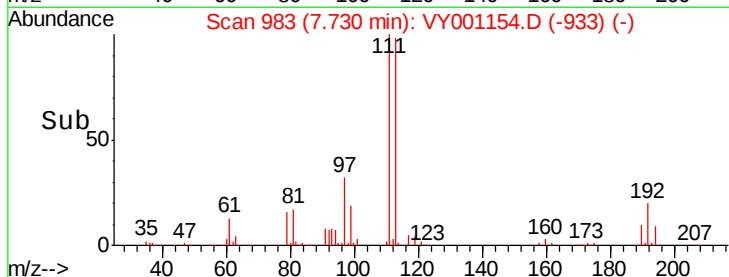
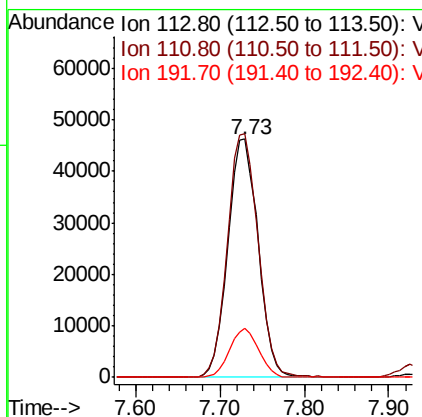
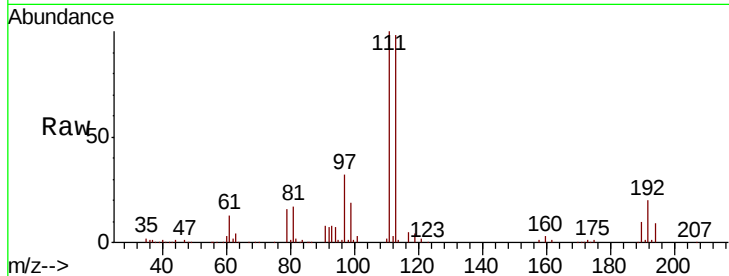
#35
 Dibromofluoromethane
 Concen: 48.294 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. 0.01 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.9	124.3	
192	19.9	15.4	23.2	

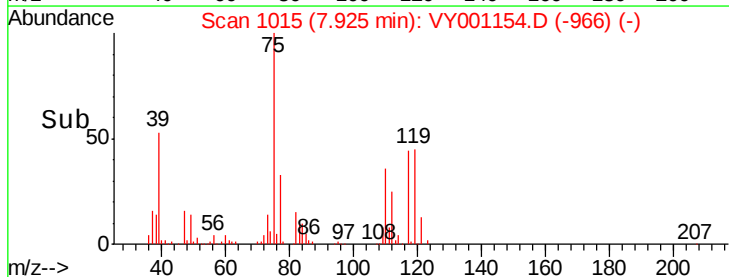
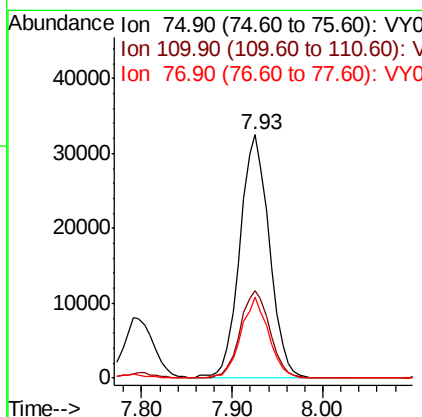
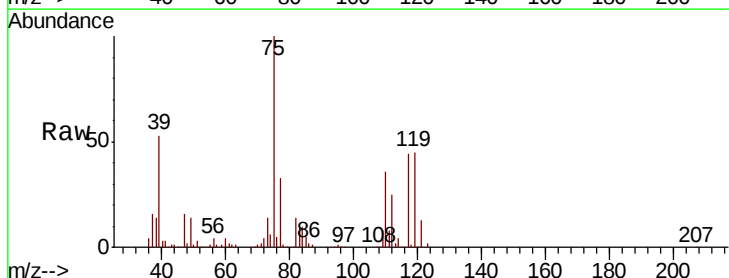
Manual Integrations
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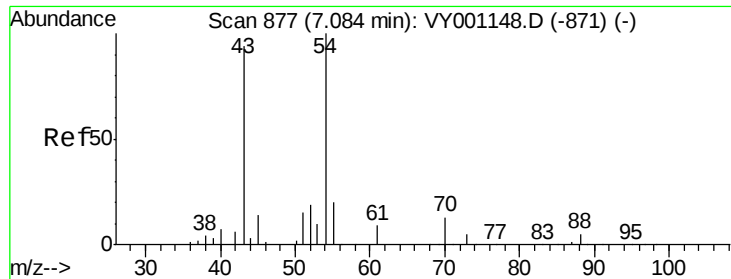
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#36
 1,1-Dichloropropene
 Concen: 20.234 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.3	54.8	
77	31.5	25.1	37.7	





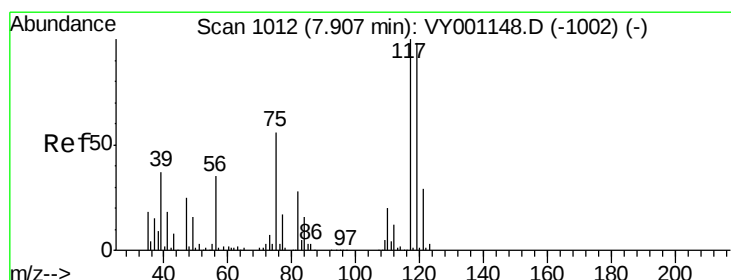
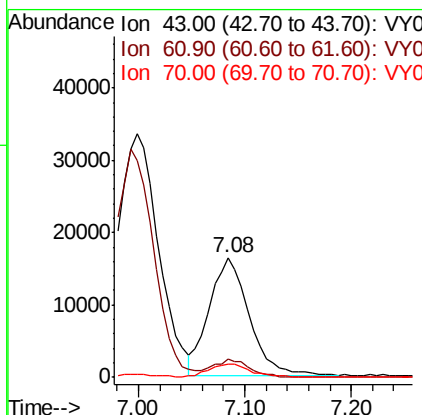
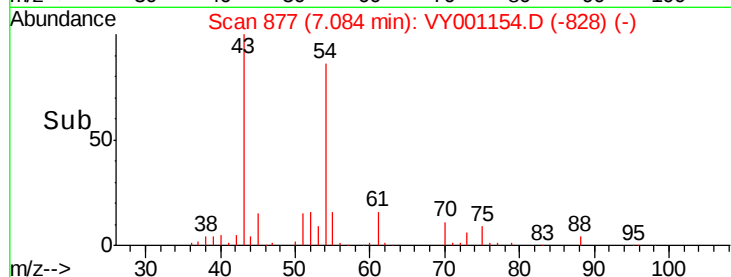
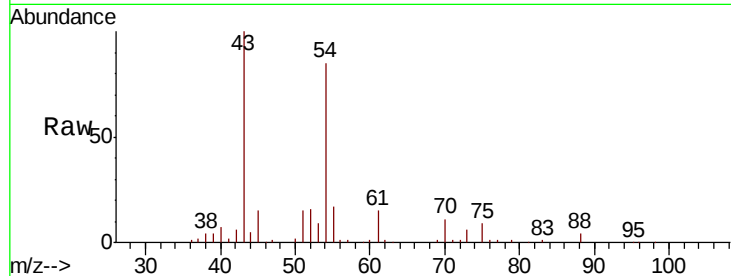
#37
Ethyl Acetate
Concen: 19.961 ug/l
RT: 7.08 min Scan# 877
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.1	16.7
70	11.8	9.7	14.5

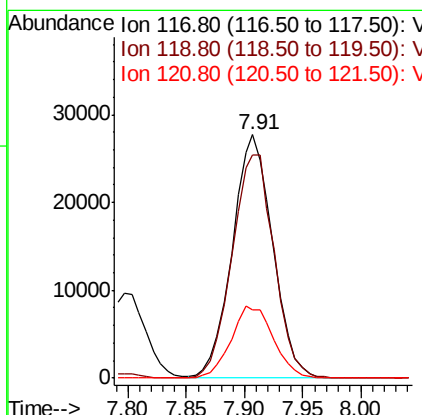
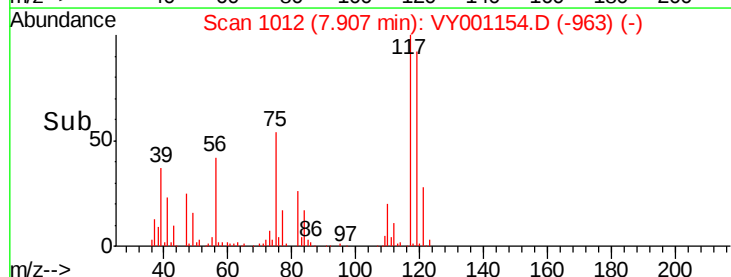
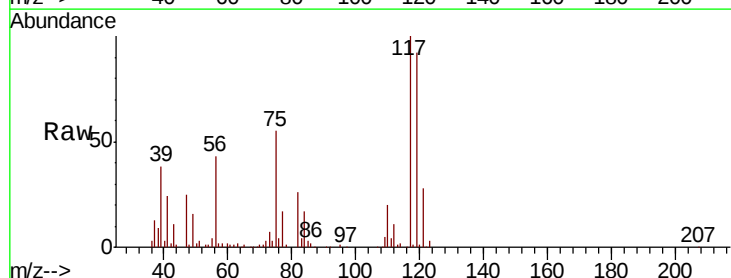
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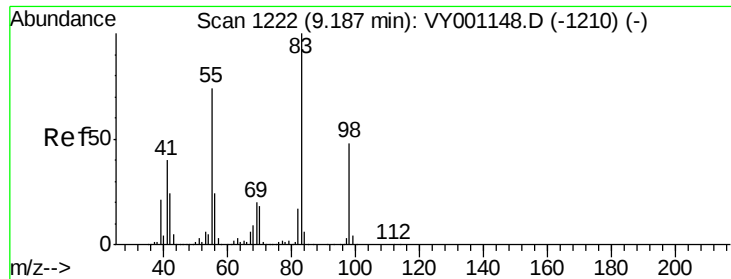
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#38
Carbon Tetrachloride
Concen: 20.163 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	78.3	117.5
121	28.0	23.5	35.3





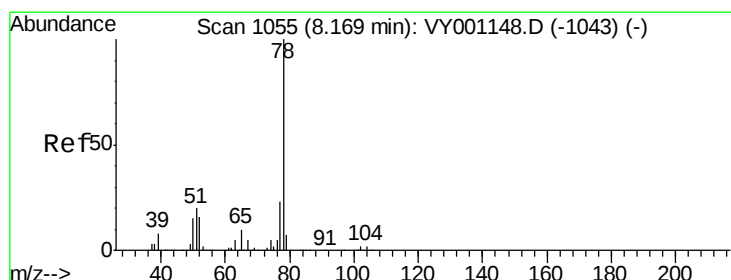
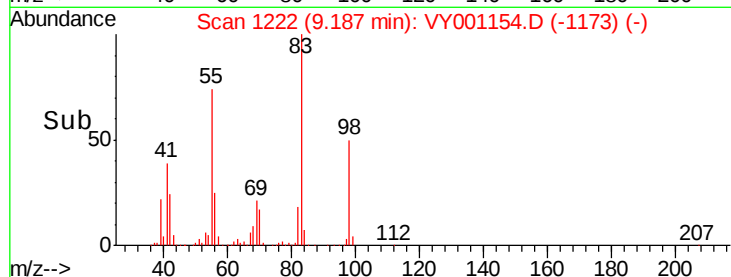
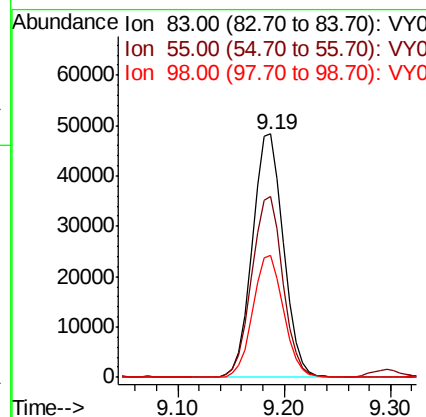
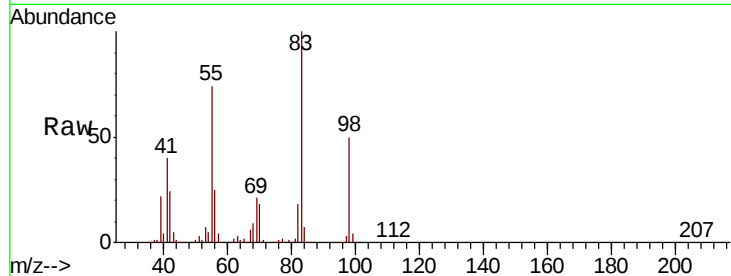
#39
Methvlcvclohexane
Concen: 20.227 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.1	58.9	88.3
98	50.1	38.4	57.6

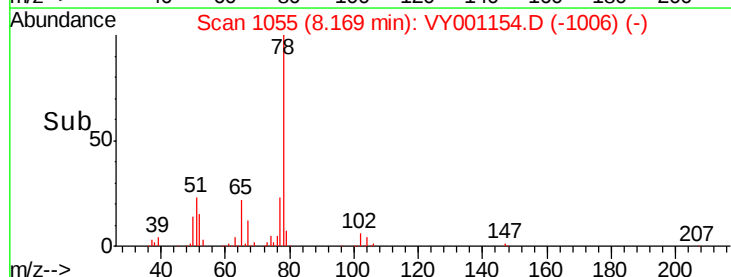
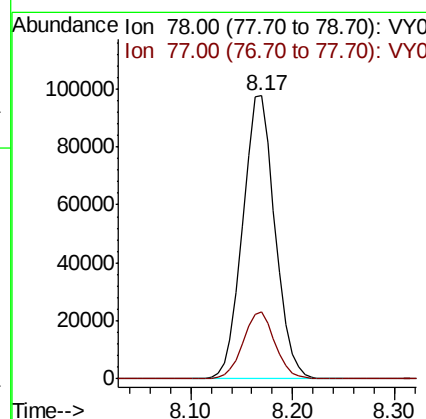
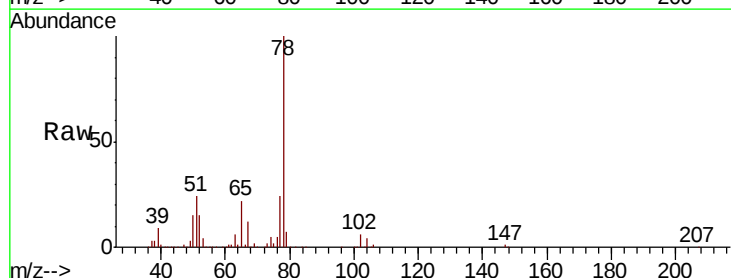
Manual Integrations
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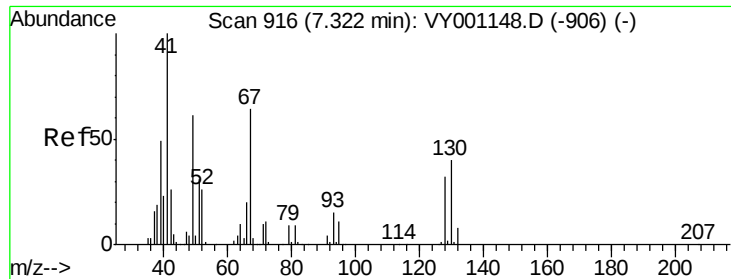
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#40
Benzene
Concen: 20.256 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 24.464 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 41 Resp: 24450

Ion Ratio Lower Upper

41 100

39 0.0 103.5 155.3#

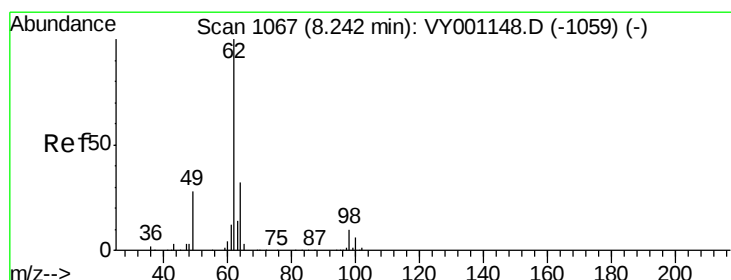
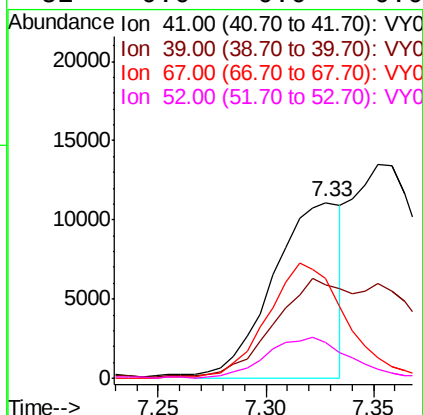
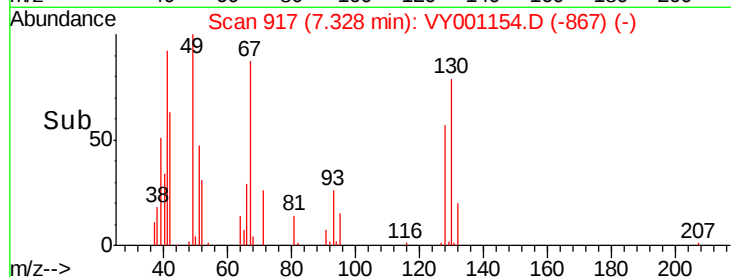
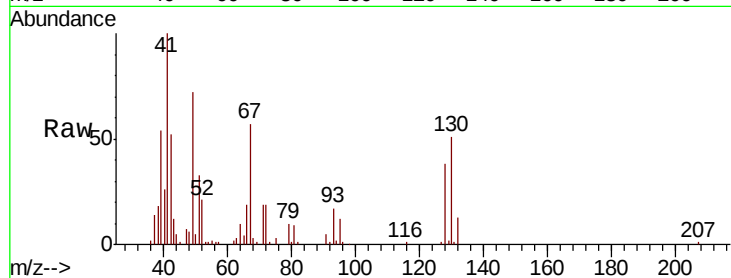
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.038 ug/l

RT: 8.24 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VY001154.D

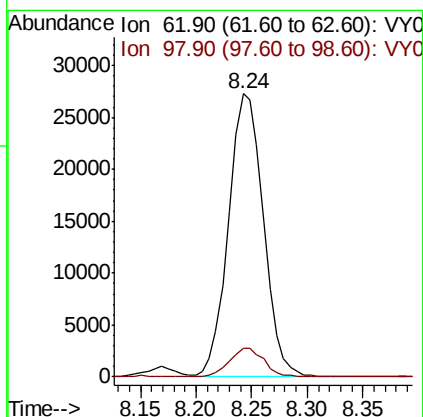
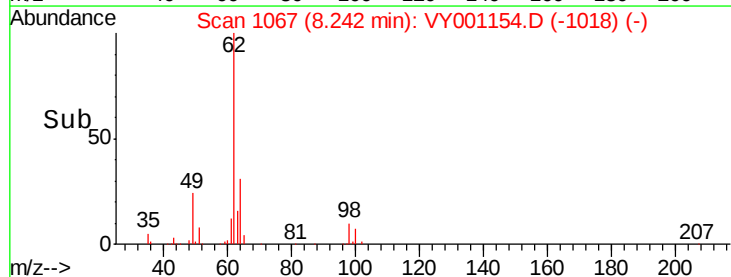
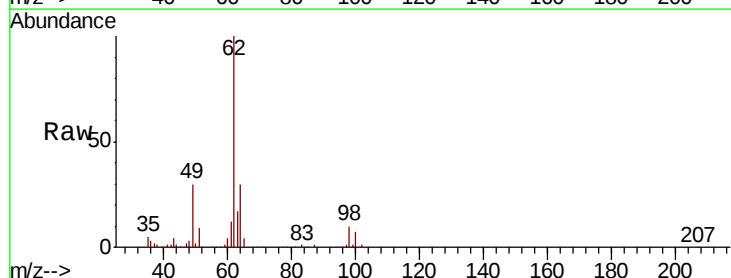
Acq: 10 Jan 2020 18:04

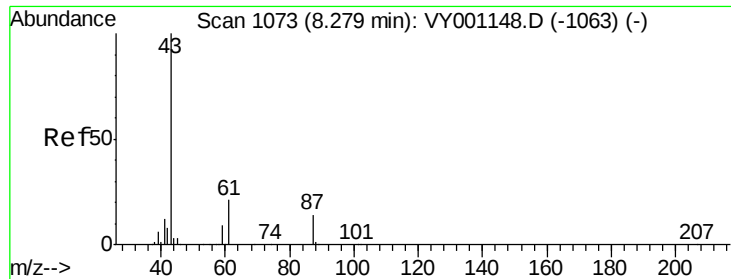
Tgt Ion: 62 Resp: 59378

Ion Ratio Lower Upper

62 100

98 10.1 0.0 20.4





#43

Isopropyl Acetate

Concen: 20.111 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

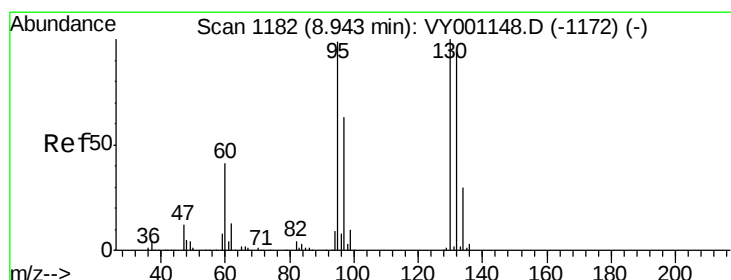
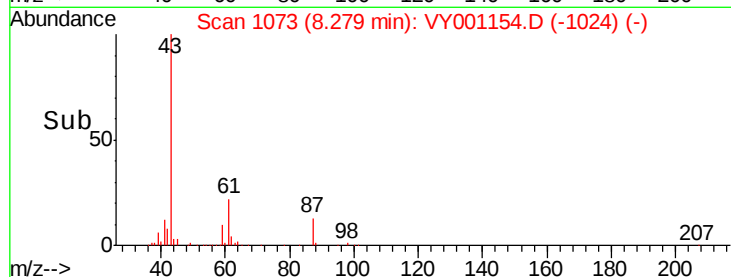
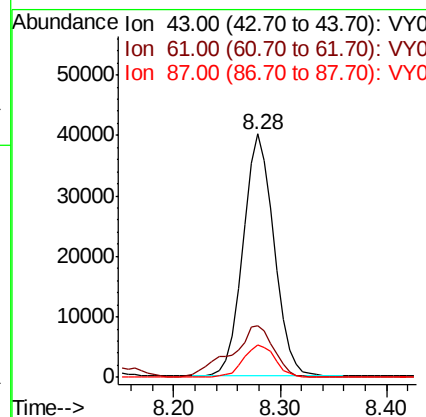
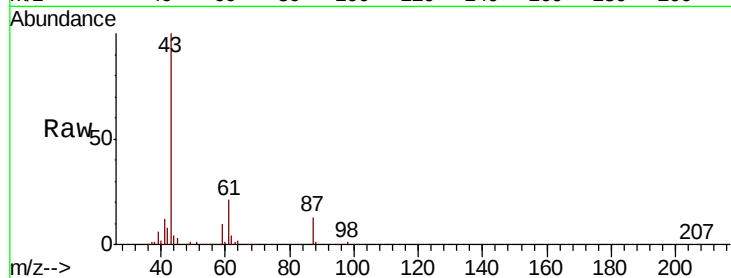
ClientSampleId :

VY0110SBS01

Tot Ion:	43	Resp:	81821
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.9	35.9
87	13.8	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.532 ug/l

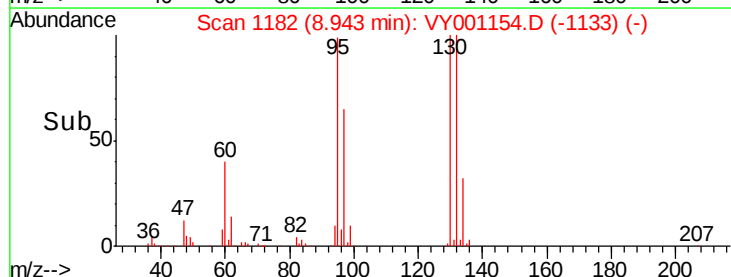
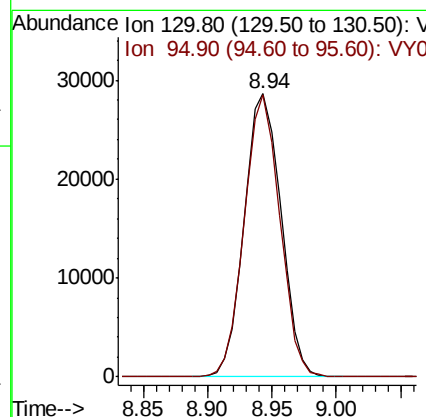
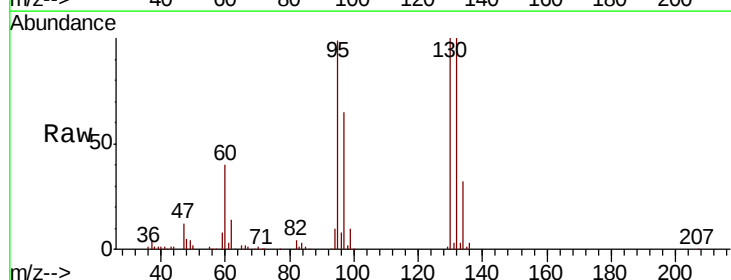
RT: 8.94 min Scan# 1182

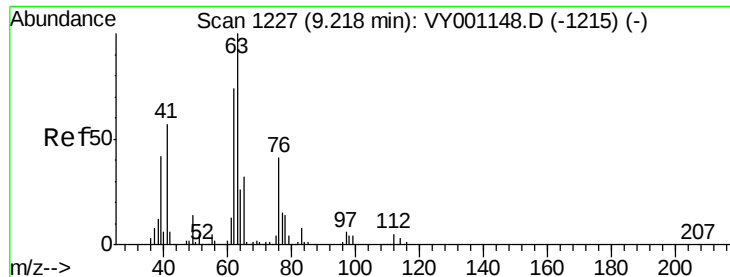
Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion:	130	Resp:	56618
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	197.6





#45

1,2-Dichloropropane

Concen: 20.519 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBS01

Tot Ion: 63 Resp: 53684

Ion Ratio Lower Upper

63 100

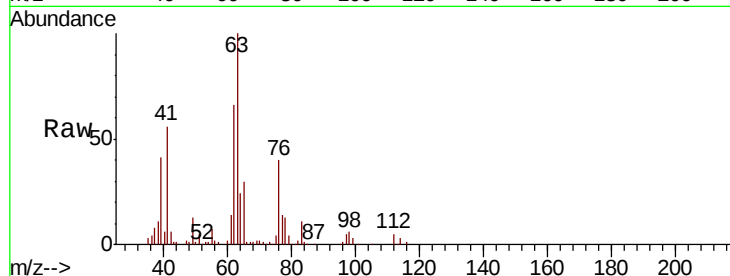
65 30.5 25.8 38.8

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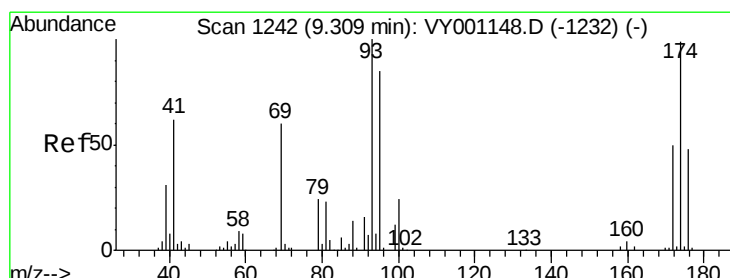
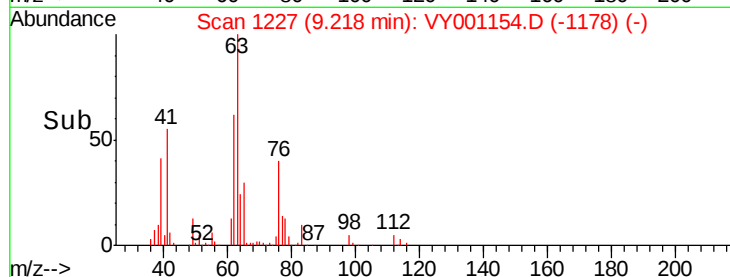
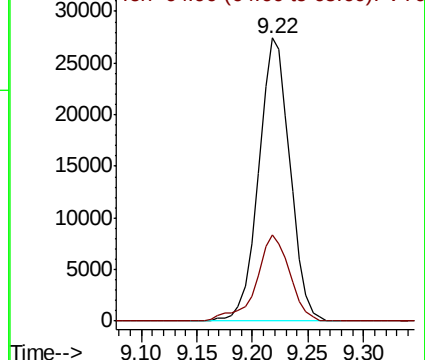
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 20.341 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

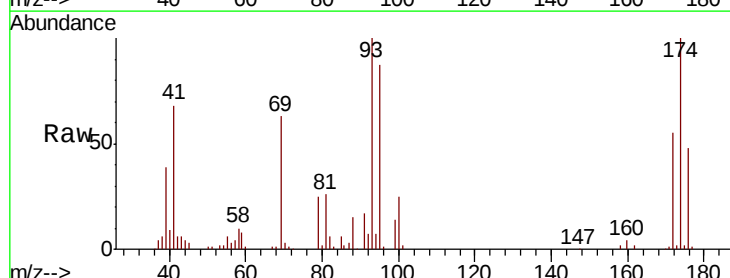
Tgt Ion: 93 Resp: 29037

Ion Ratio Lower Upper

93 100

95 83.2 66.8 100.2

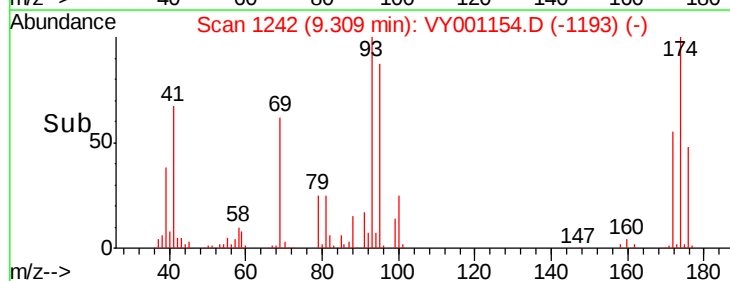
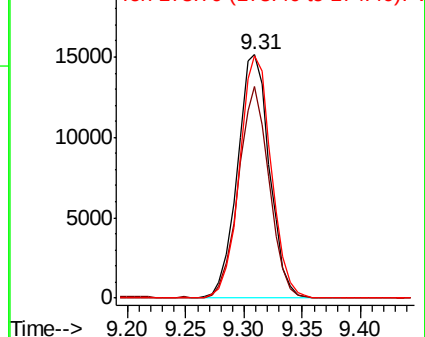
174 98.1 78.4 117.6

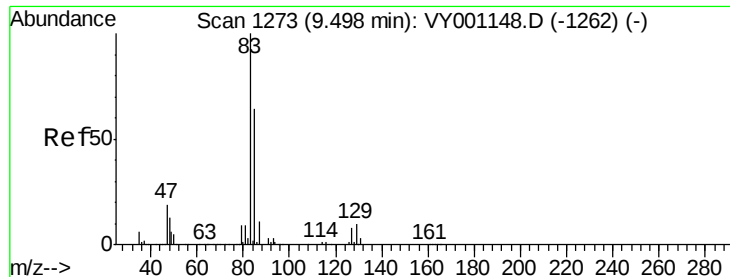


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.032 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

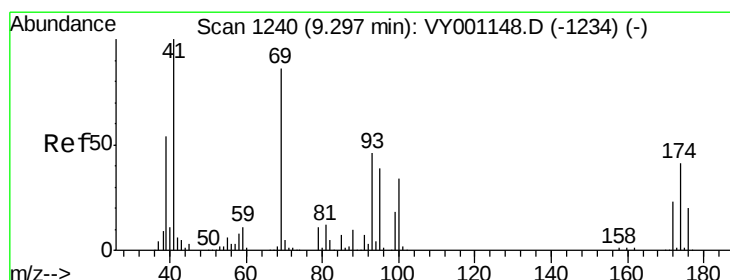
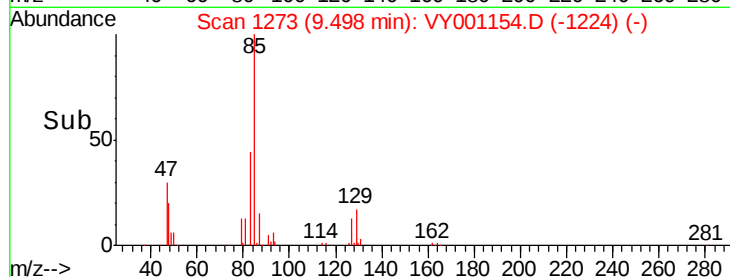
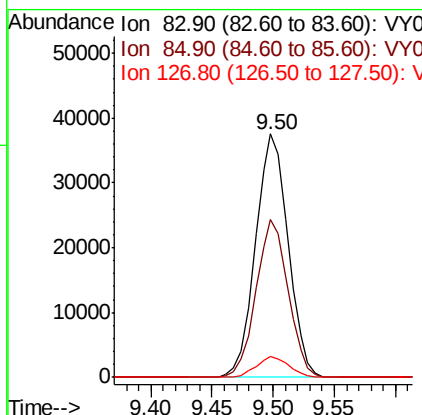
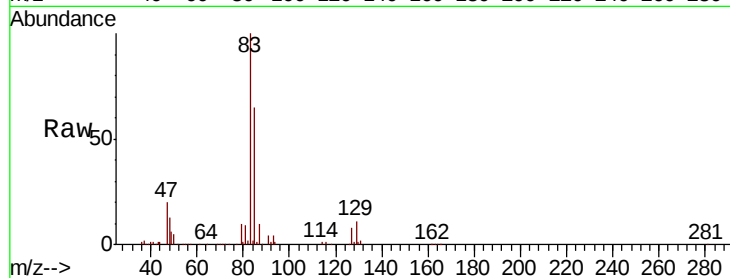
ClientSampleId :

VY0110SBS01

Tot Ion:	83	Resp:	69689
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3
127	8.4	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.896 ug/l

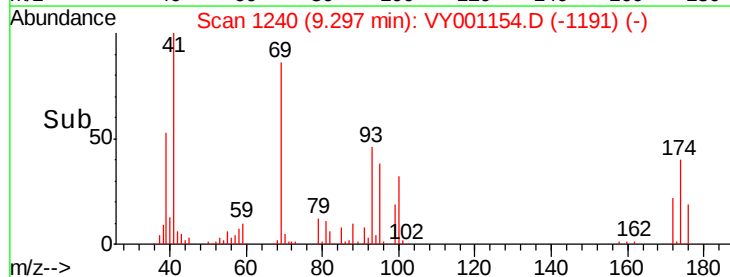
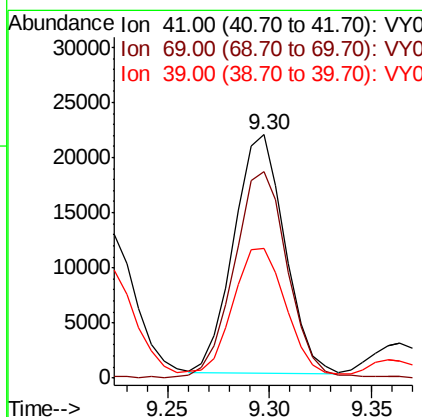
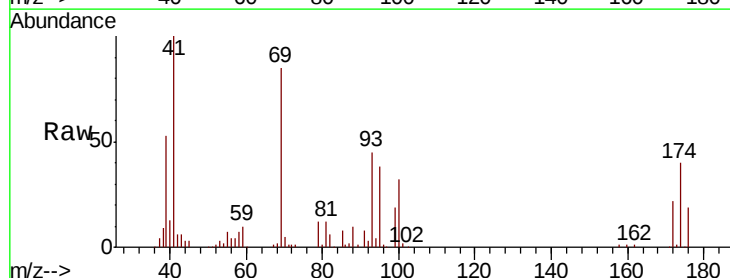
RT: 9.30 min Scan# 1240

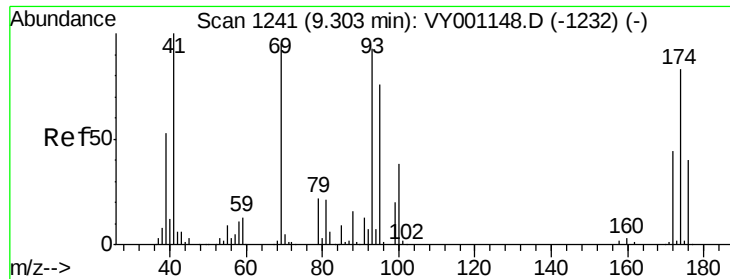
Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion:	41	Resp:	37459
Ion	Ratio	Lower	Upper
41	100		
69	90.1	69.8	104.8
39	57.8	45.2	67.8





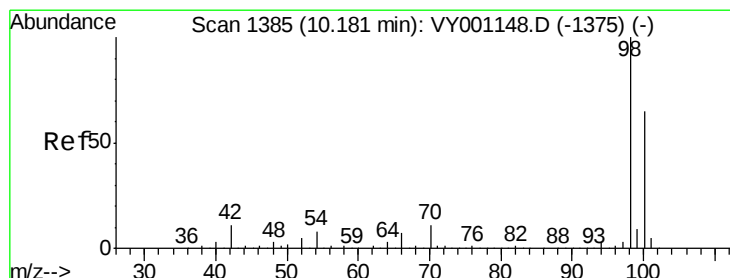
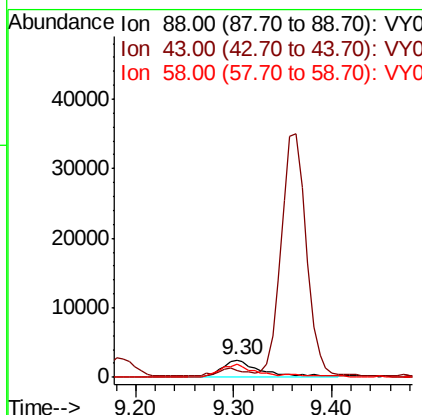
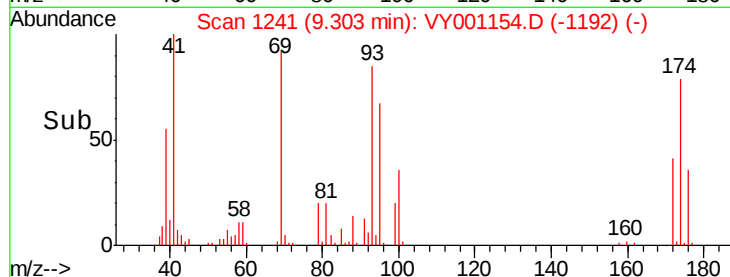
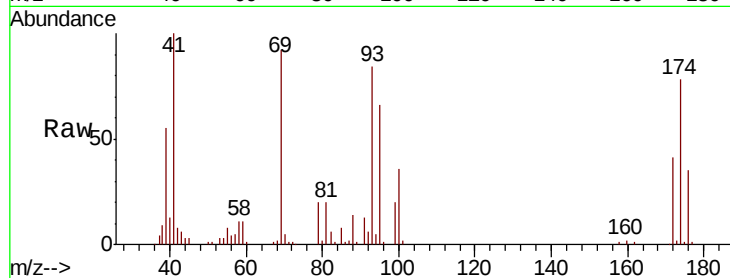
#49
 1,4-Dioxane
 Concen: 413.707 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	22.4	33.6
58	66.4	58.0	87.0

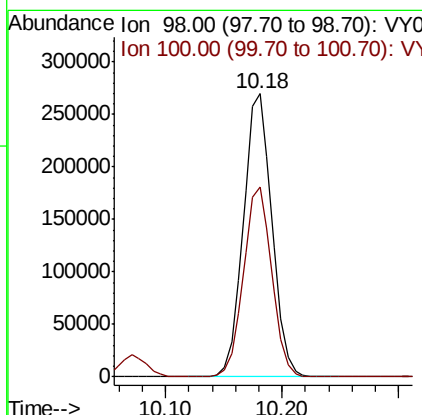
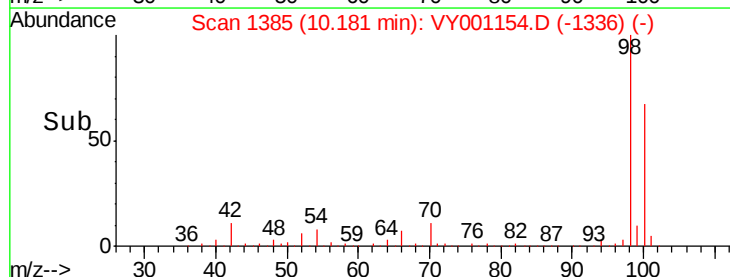
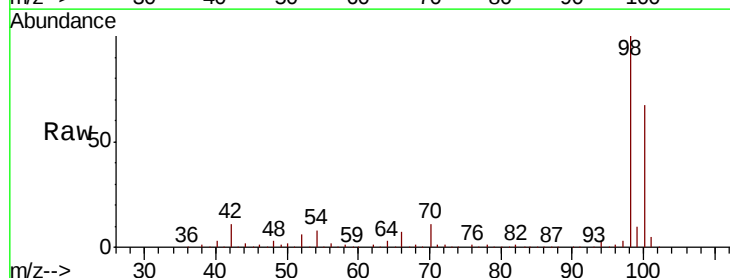
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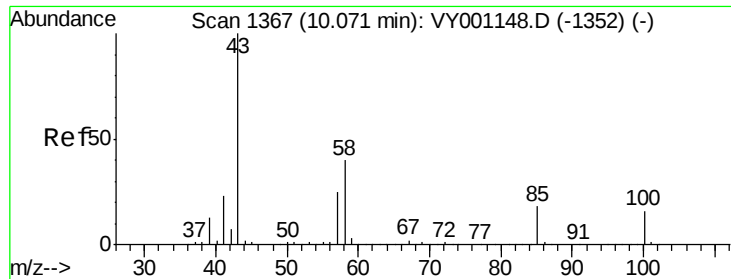
MMDadoda
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#50
 Toluene-d8
 Concen: 51.204 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.1	79.7





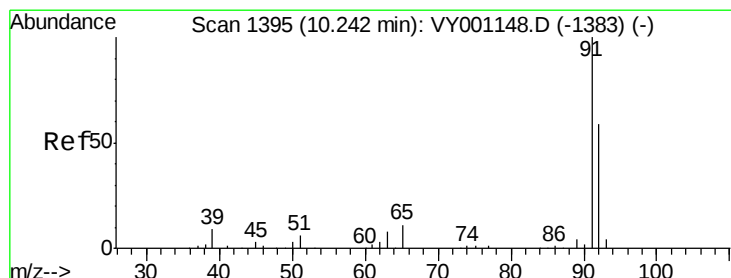
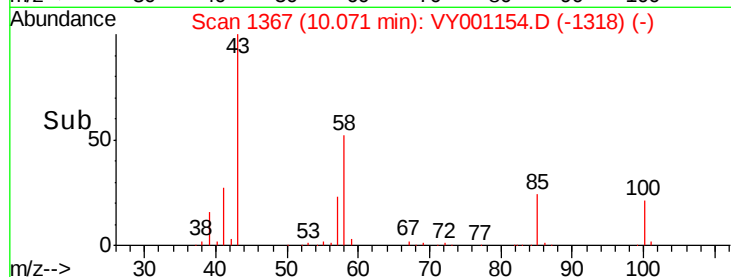
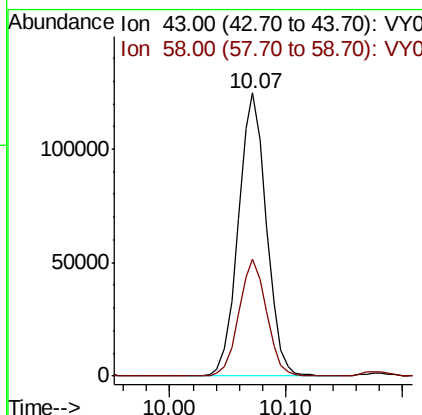
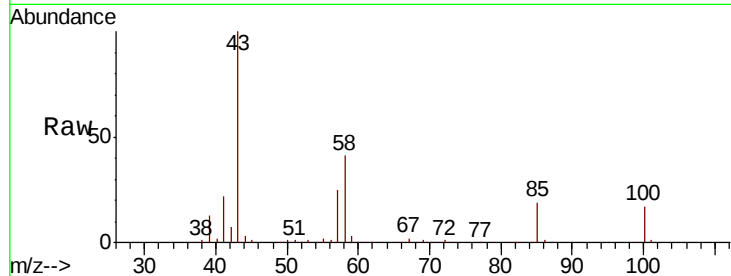
#51
4-Methyl-2-Pentanone
Concen: 101.273 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.3	48.5

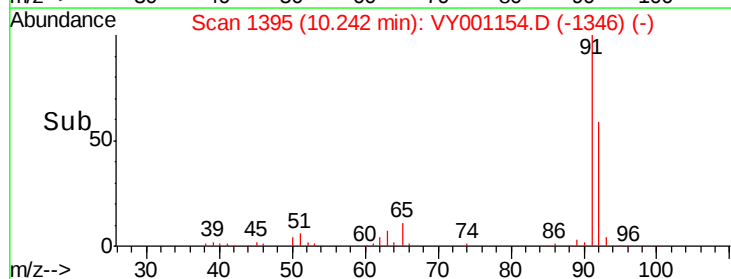
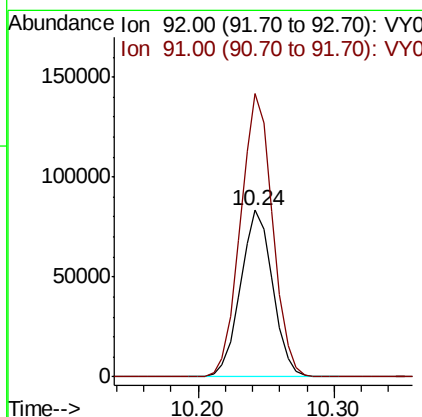
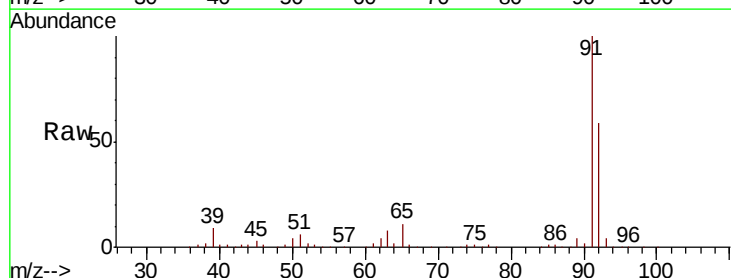
Manual Integrations
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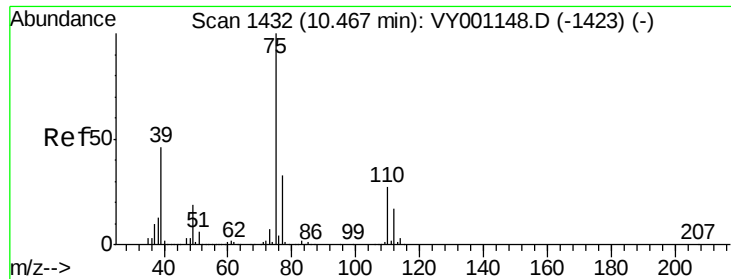
MMDadoda
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#52
Toluene
Concen: 20.380 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.6	204.8





#53

t-1,3-Dichloropropene

Concen: 19.792 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0110SBSD01

Tot Ion: 75 Resp: 77050

Ion Ratio Lower Upper

75 100

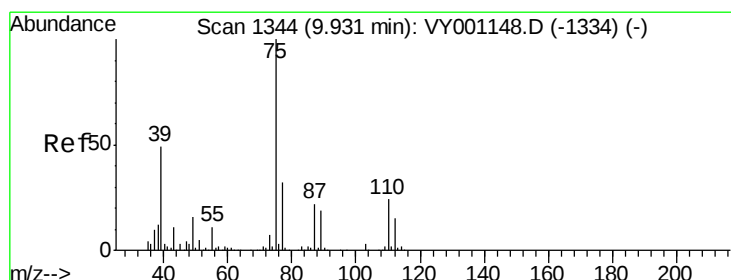
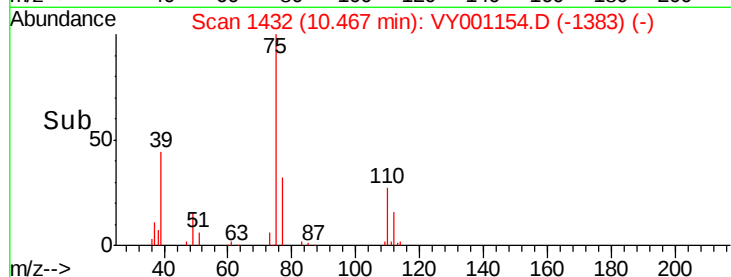
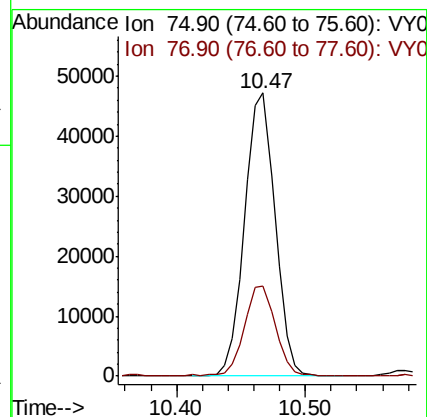
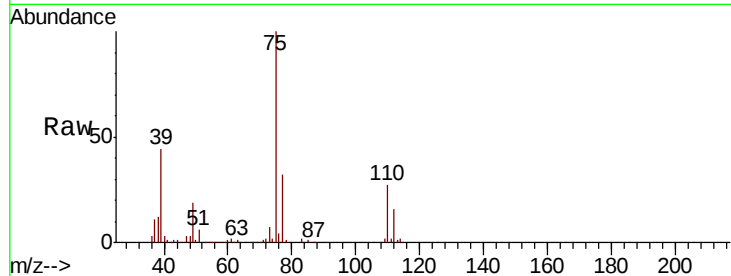
77 31.8 26.2 39.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.376 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

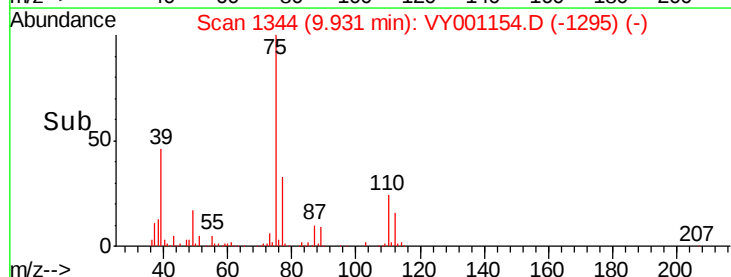
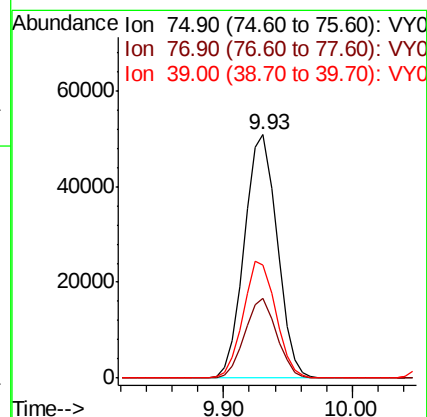
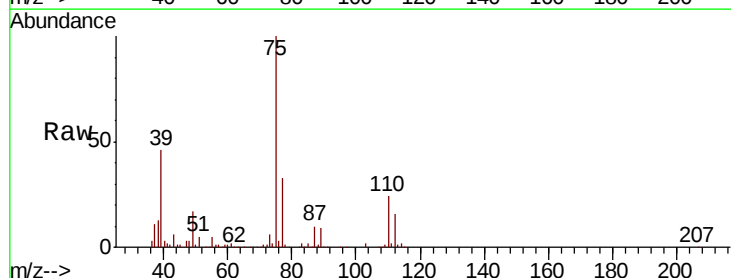
Tgt Ion: 75 Resp: 89431

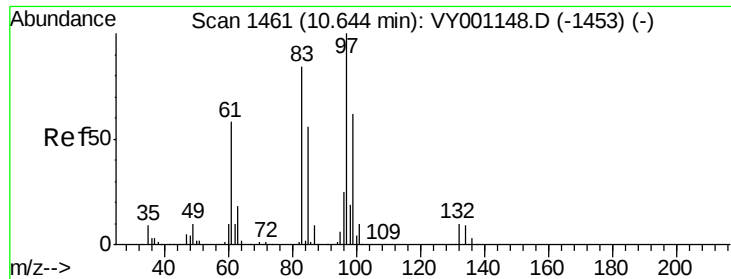
Ion Ratio Lower Upper

75 100

77 32.8 25.3 37.9

39 46.0 39.1 58.7





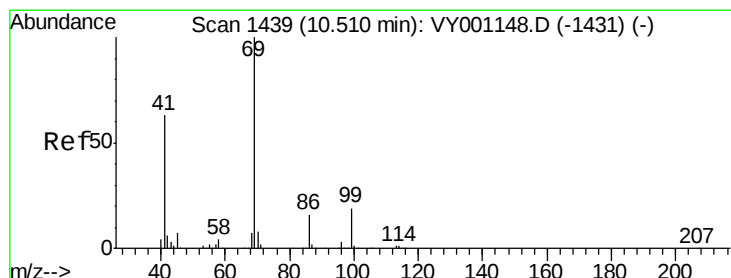
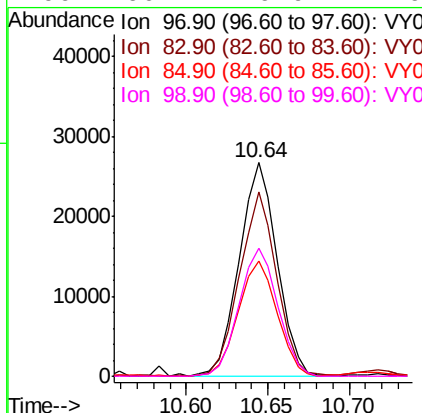
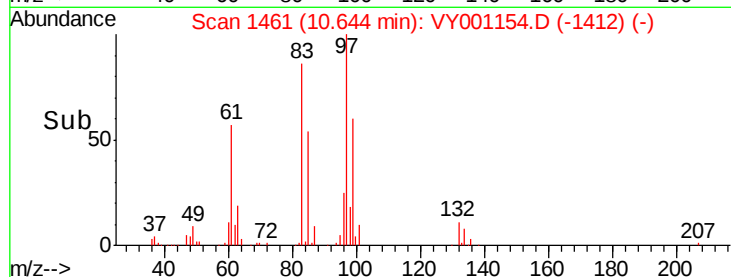
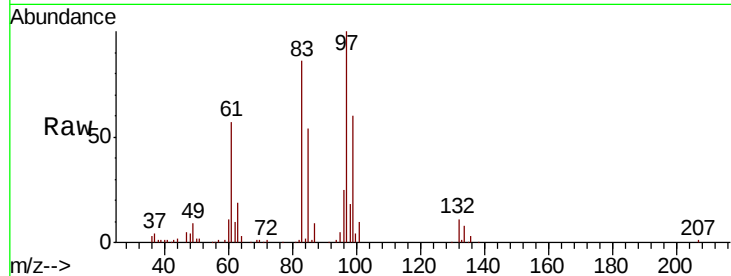
#55
 1,1,2-Trichloroethane
 Concen: 20.435 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.0	67.2	100.8
85	54.1	44.9	67.3
99	60.2	49.9	74.9

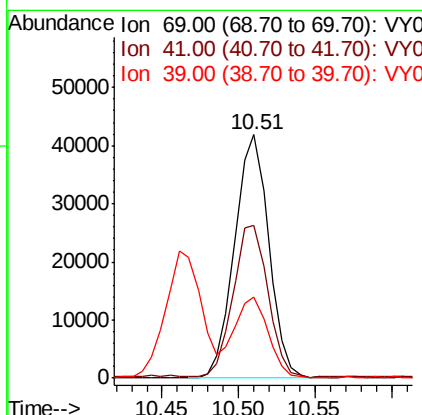
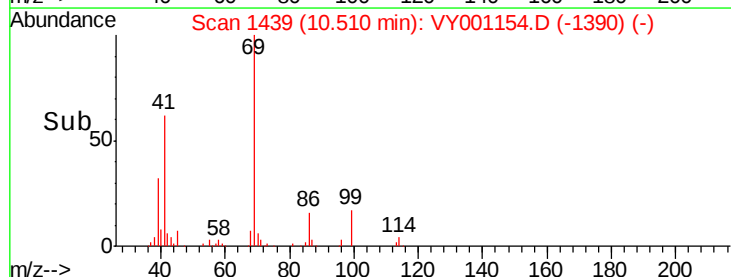
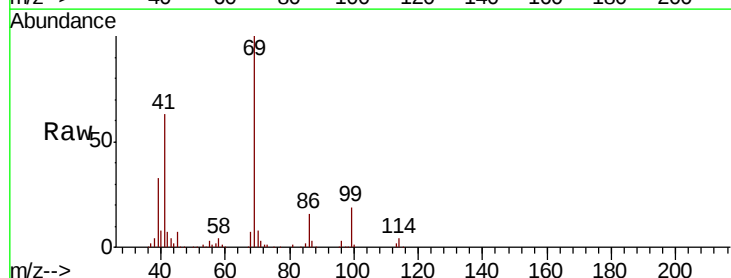
Manual Integrations
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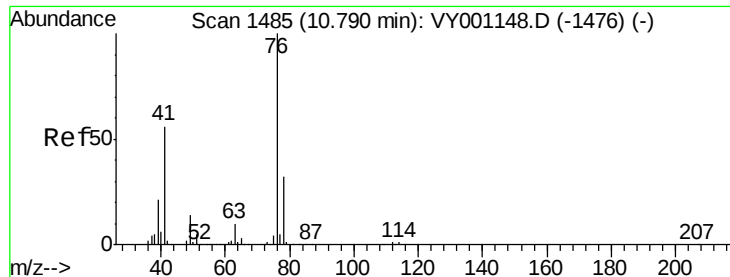
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#56
 Ethyl methacrylate
 Concen: 20.009 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.4	77.2
39	33.0	26.3	39.5





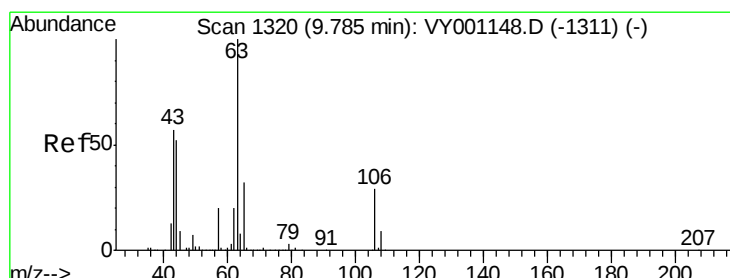
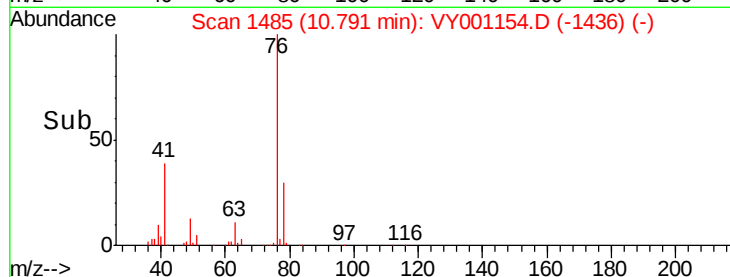
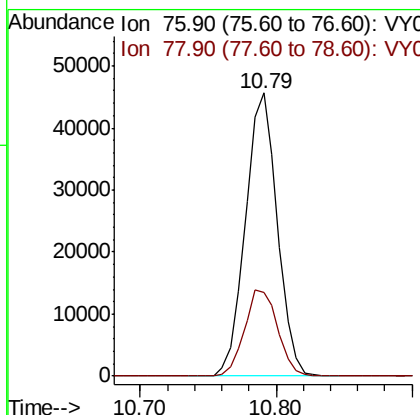
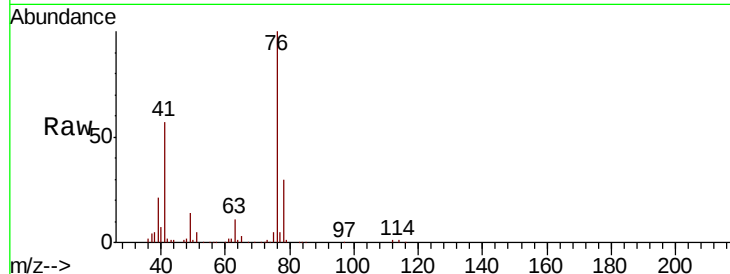
#57
 1,3-Dichloropropane
 Concen: 20.573 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.1	39.1

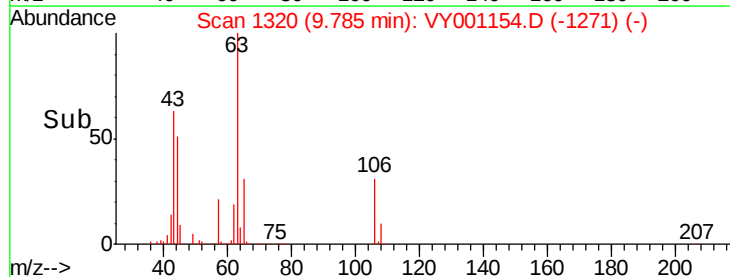
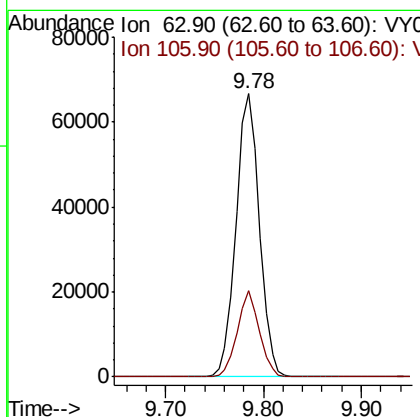
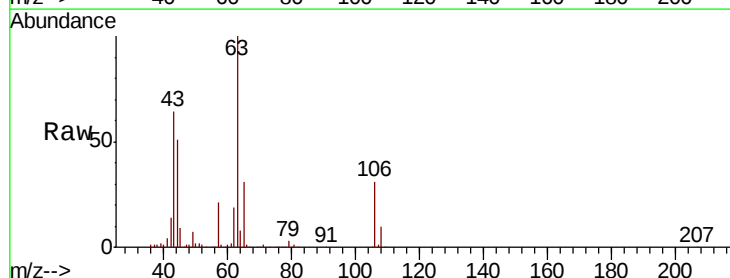
Manual Integrations
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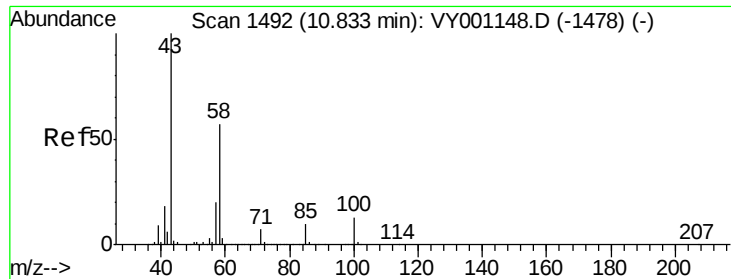
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 1/13/2020 12:39:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.116 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	23.0	34.6





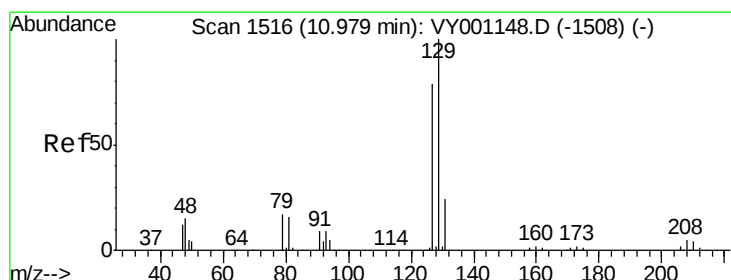
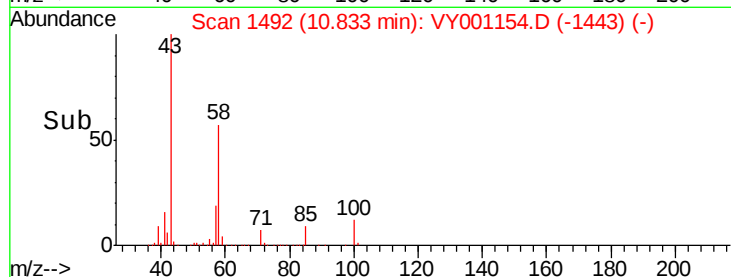
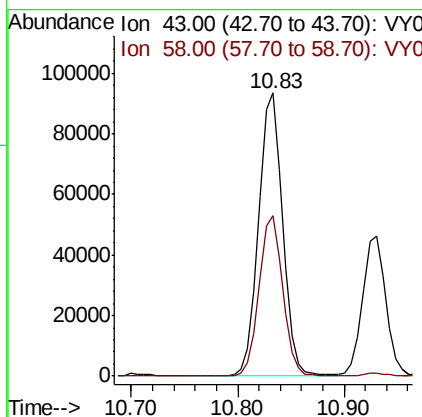
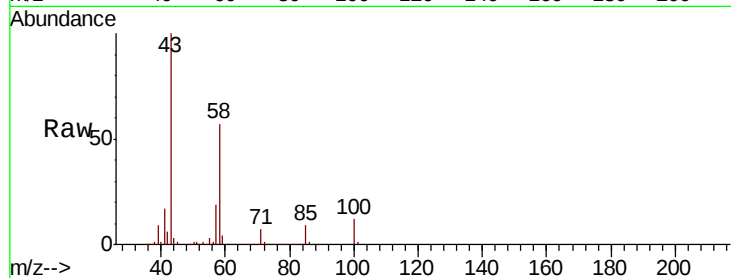
#59
2-Hexanone
Concen: 102.266 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion: 43 Resp: 147959
Ion Ratio Lower Upper
43 100
58 56.0 28.4 85.2

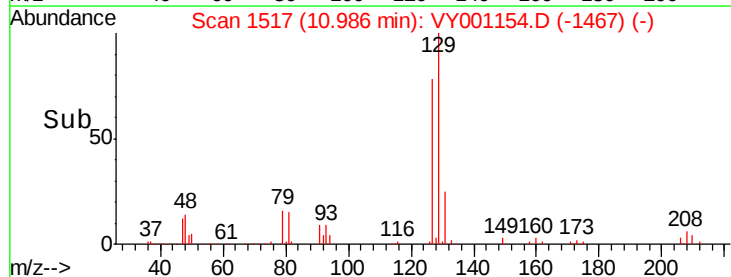
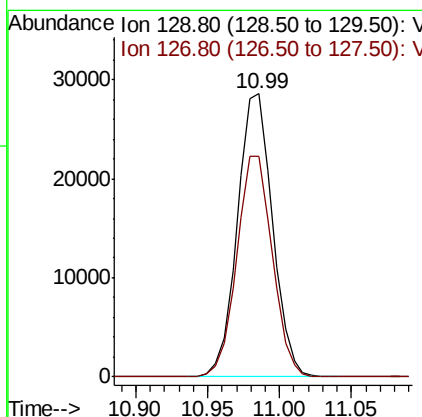
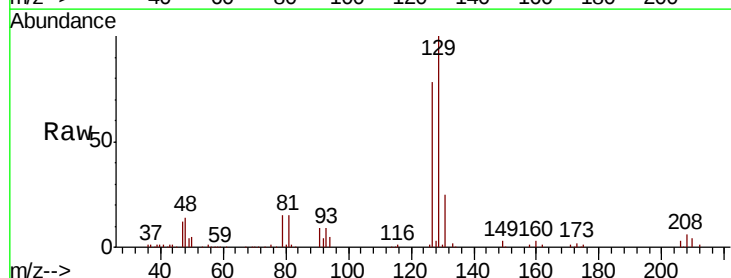
Manual Integrations
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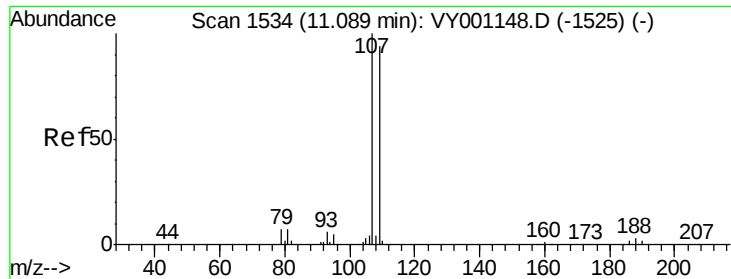
MMDadoda
1/13/2020 12:39:21 PM



#60
Dibromochloromethane
Concen: 19.868 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion: 129 Resp: 48411
Ion Ratio Lower Upper
129 100
127 78.9 38.9 116.7





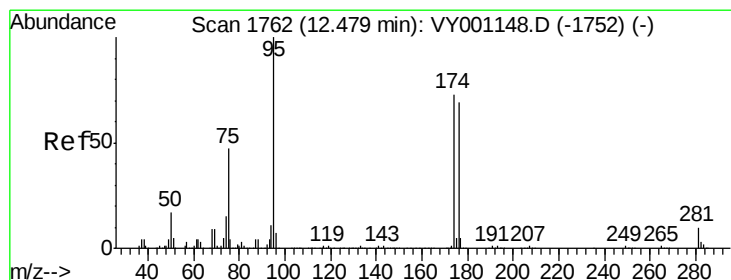
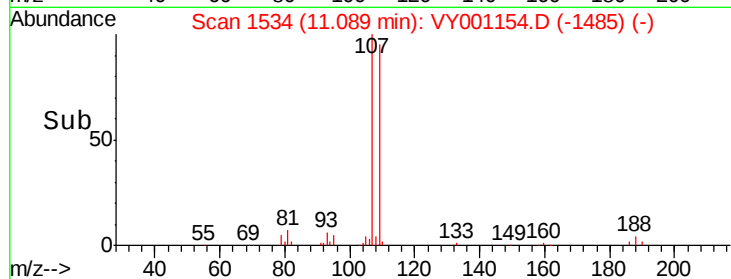
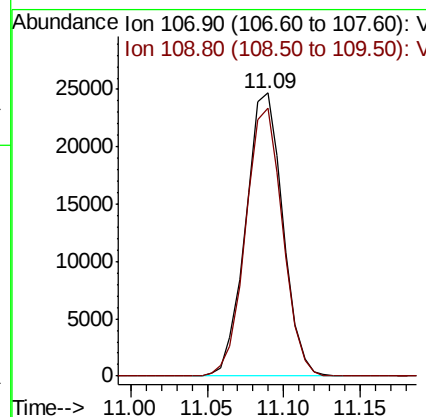
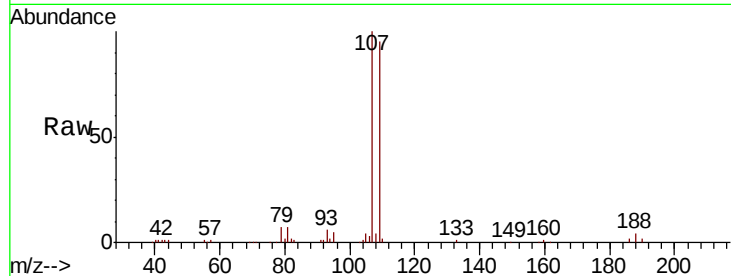
#61
 1,2-Dibromoethane
 Concen: 20.186 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBSD01

Tot Ion: 107 Resp: 41711
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.4 113.0

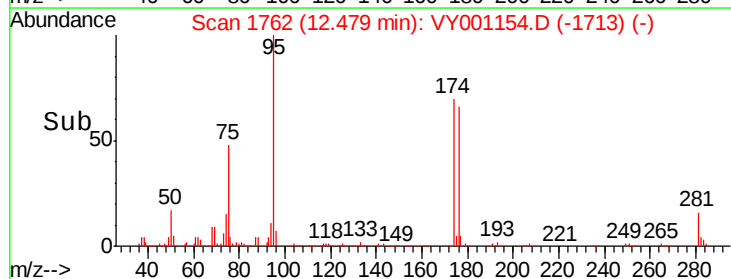
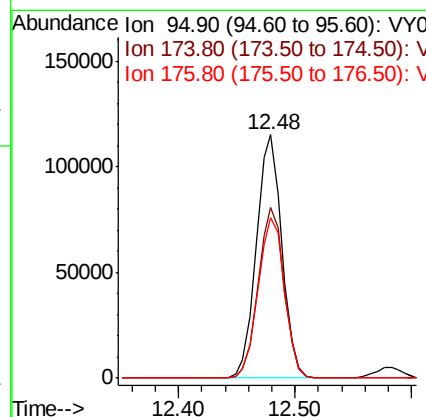
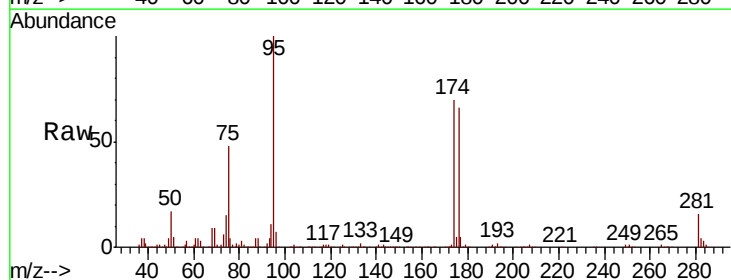
Manual Integrations
 APPROVED

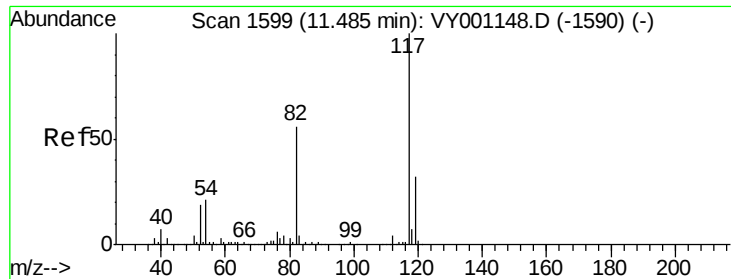
MMDadoda
 1/13/2020 12:39:21 PM



#62
 4-Bromofluorobenzene
 Concen: 47.758 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion: 95 Resp: 175210
 Ion Ratio Lower Upper
 95 100
 174 71.4 0.0 143.2
 176 68.5 0.0 136.0





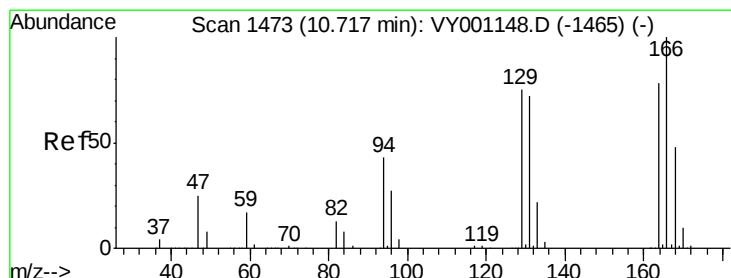
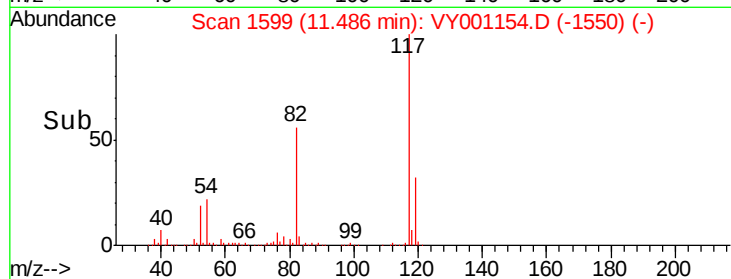
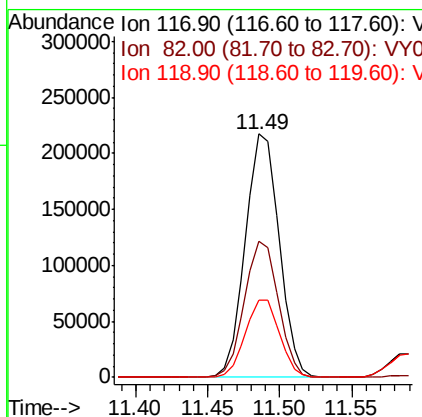
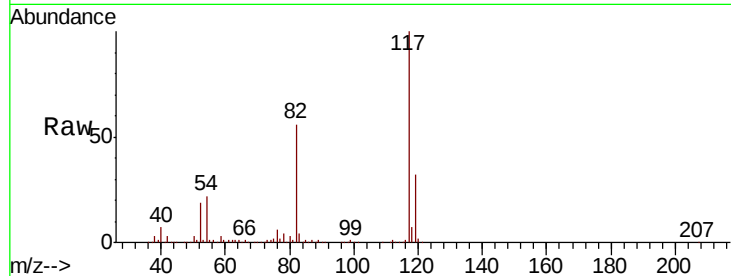
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.7	44.9	67.3	
119	31.8	25.7	38.5	

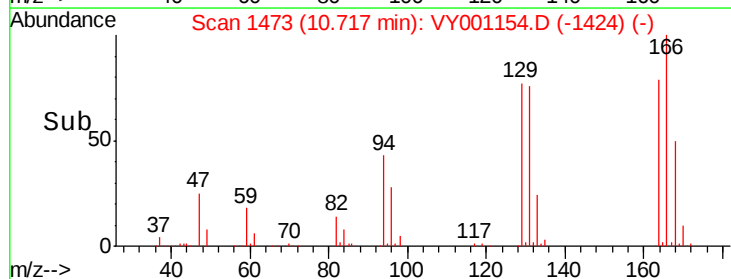
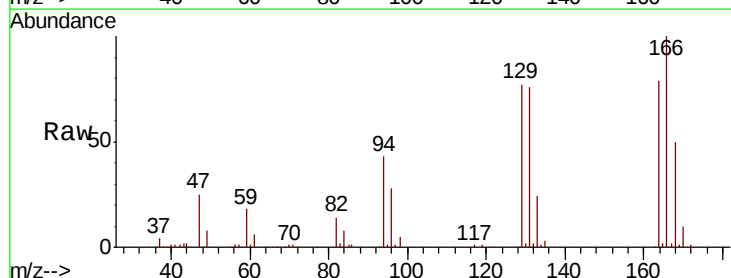
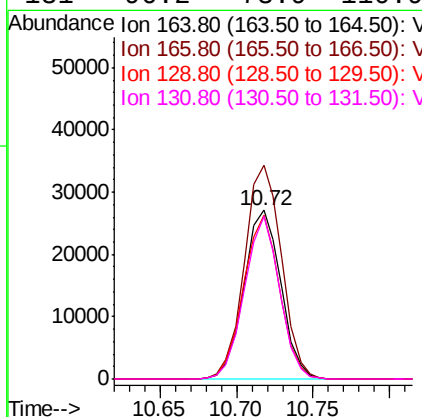
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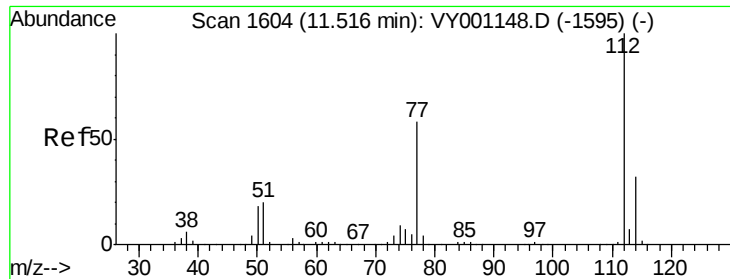
MMDadoda
1/13/2020 12:39:21 PM



#64
Tetrachloroethene
Concen: 19.903 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.6	102.3	153.5	
129	97.2	76.2	114.4	
131	96.2	73.9	110.9	





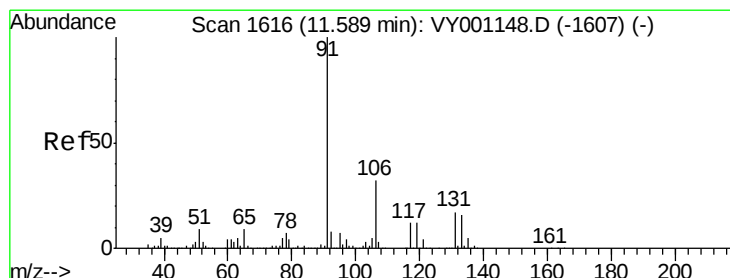
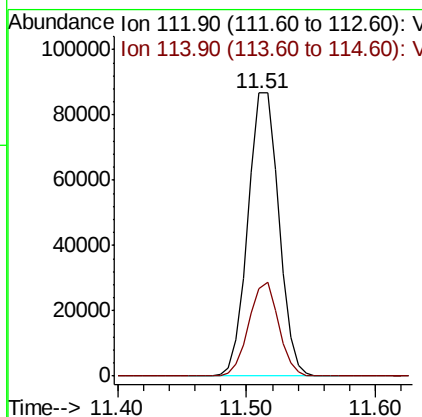
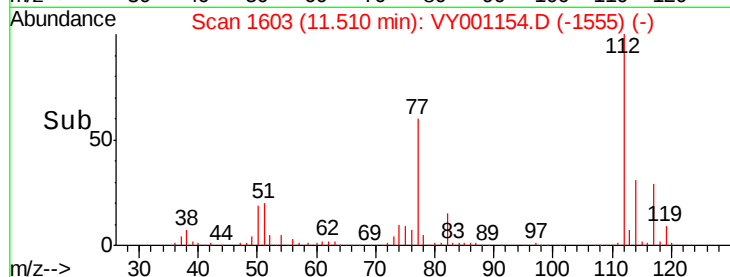
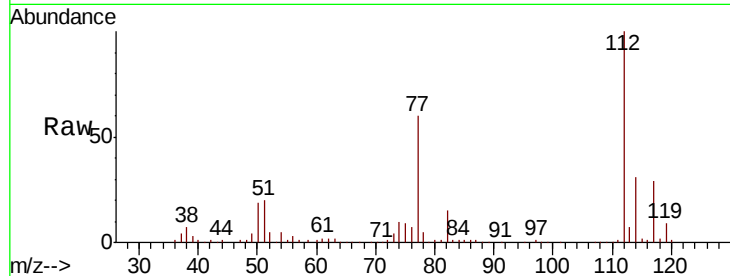
#65
Chlorobenzene
Concen: 20.276 ug/l
RT: 11.51 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion:112 Resp: 143300
Ion Ratio Lower Upper
112 100
114 31.0 25.9 38.9

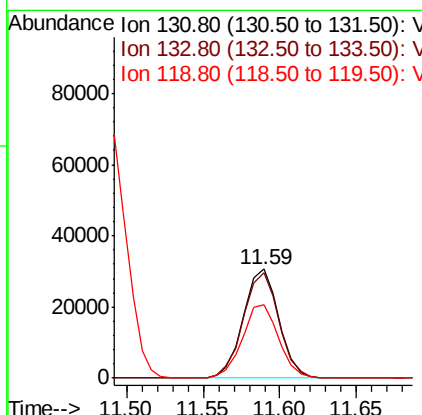
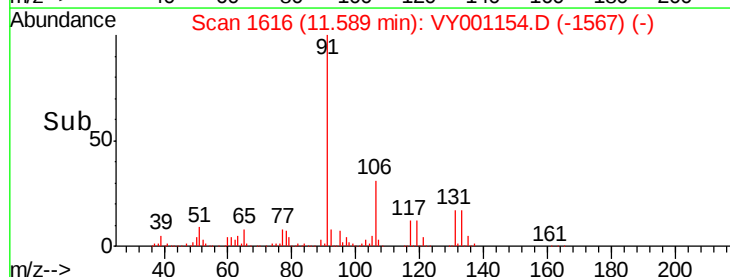
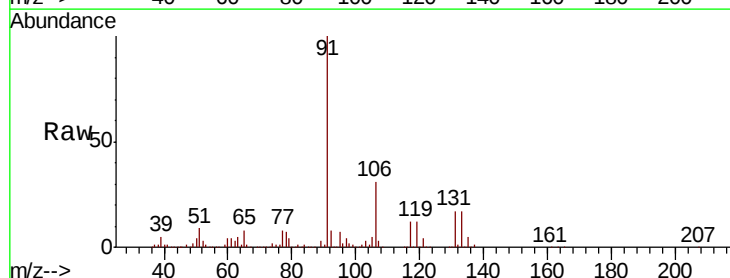
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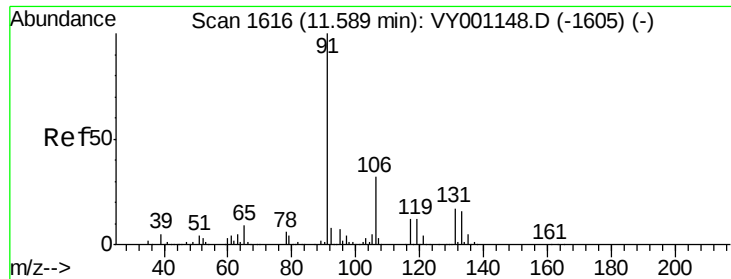
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.275 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion:131 Resp: 49385
Ion Ratio Lower Upper
131 100
133 96.9 47.3 142.0
119 68.6 33.6 100.8





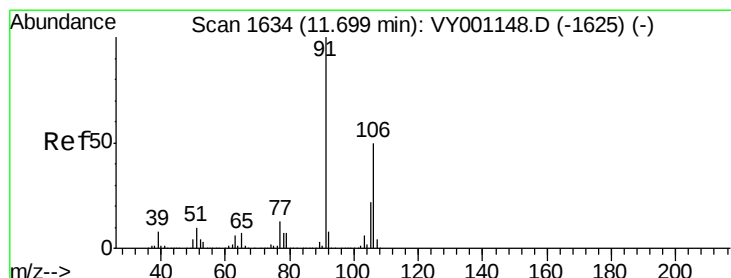
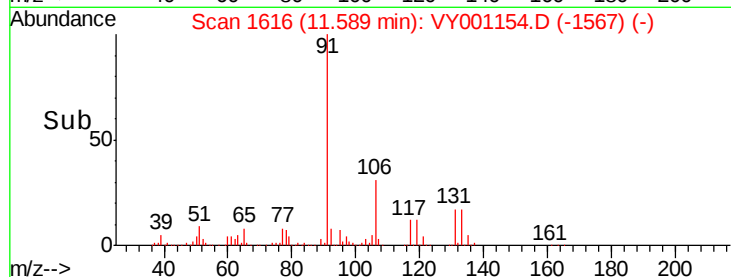
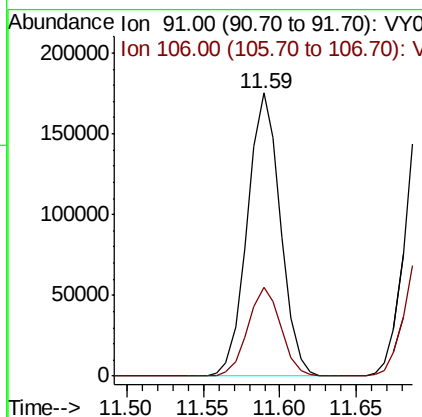
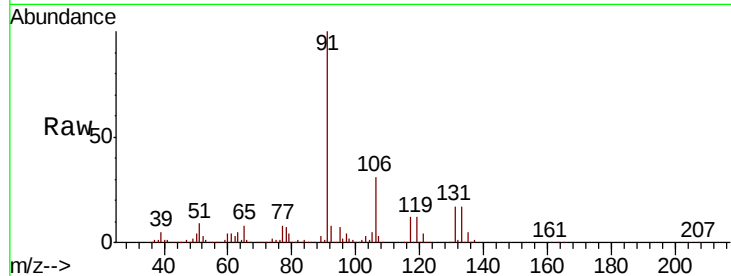
#67
Ethyl Benzene
Concen: 20.341 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion: 91 Resp: 262981
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9

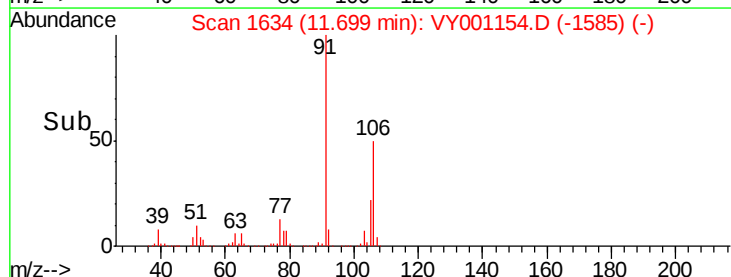
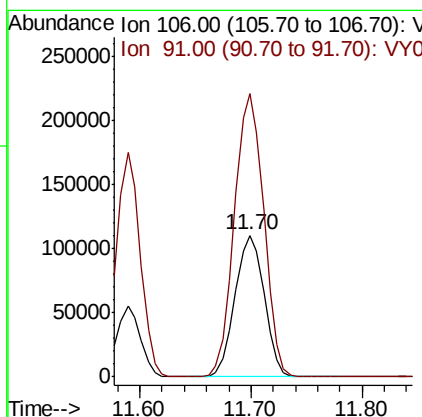
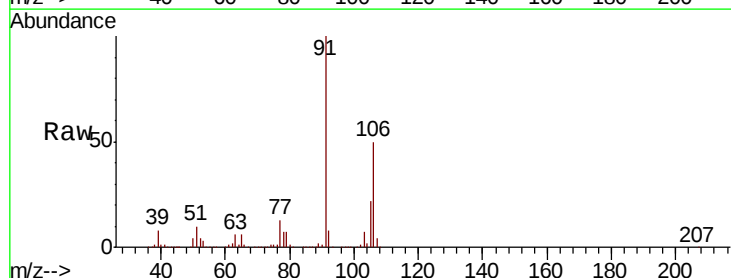
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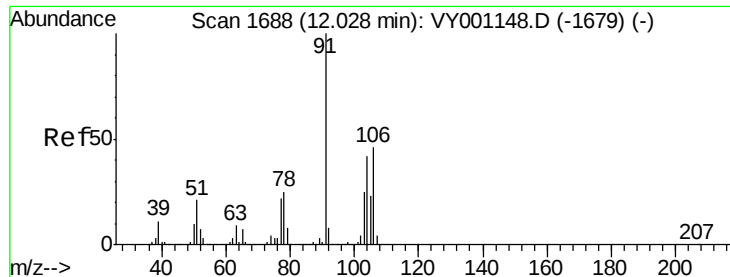
MMDadoda
1/13/2020 12:39:21 PM



#68
m/p-Xylenes
Concen: 41.159 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion: 106 Resp: 200732
Ion Ratio Lower Upper
106 100
91 200.6 161.4 242.2





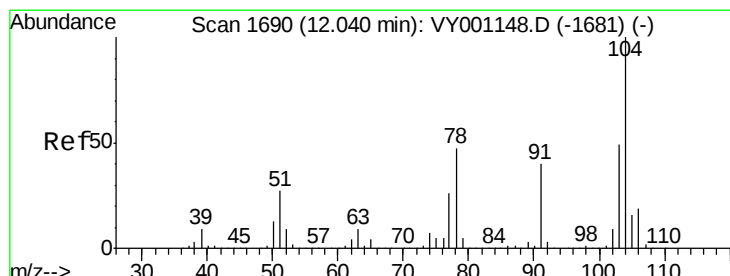
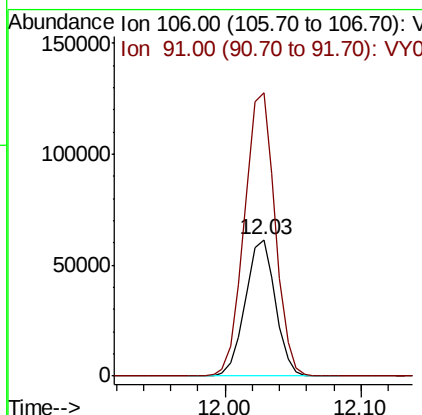
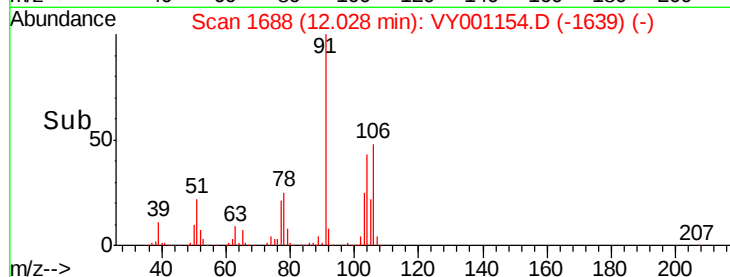
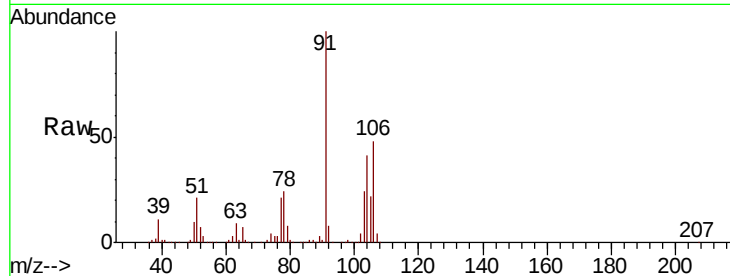
#69
o-Xylene
Concen: 20.438 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion:106 Resp: 95567
Ion Ratio Lower Upper
106 100
91 211.0 106.3 318.8

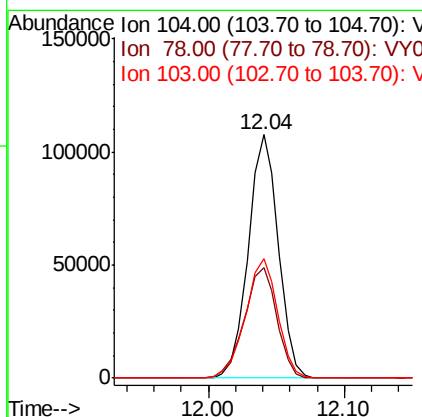
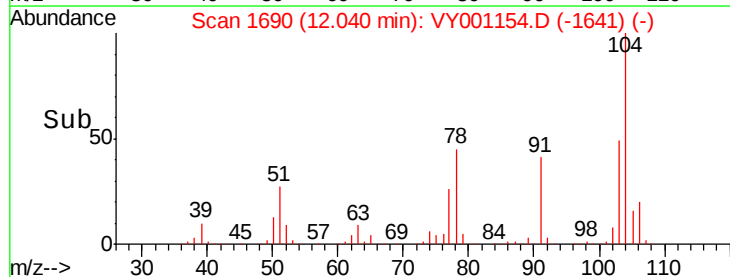
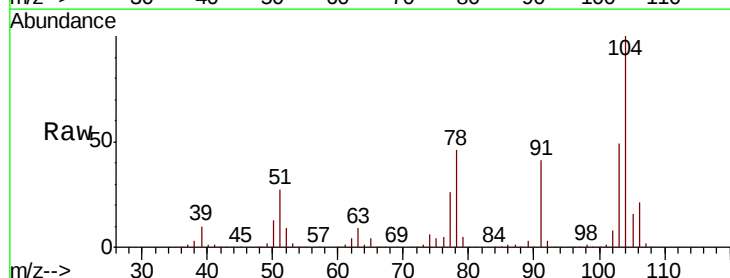
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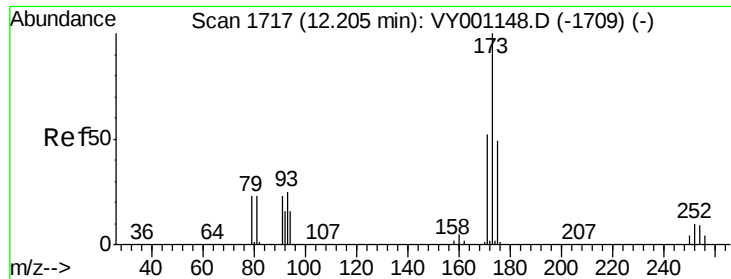
MMDadoda
1/13/2020 12:39:21 PM



#70
Styrene
Concen: 20.217 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion:104 Resp: 165868
Ion Ratio Lower Upper
104 100
78 49.7 40.5 60.7
103 52.8 42.4 63.6





#71

Bromoform

Concen: 20.069 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

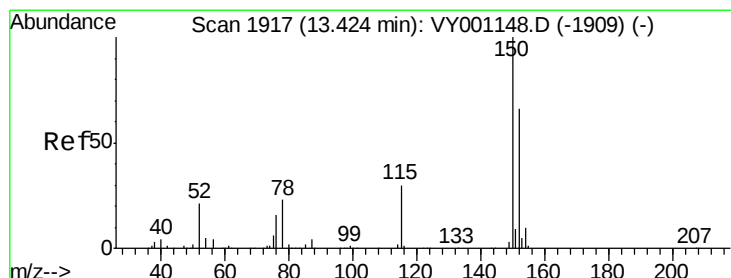
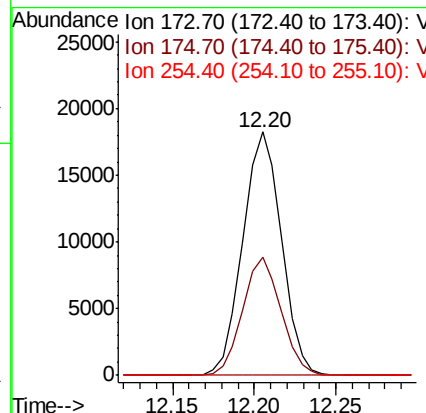
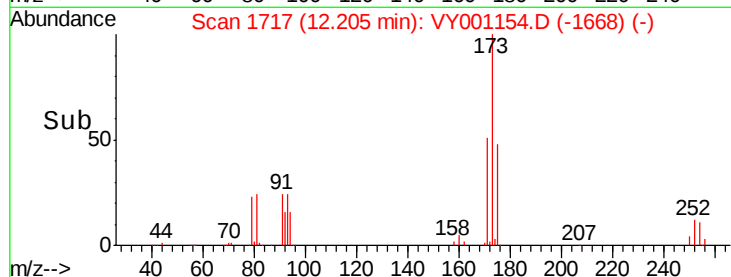
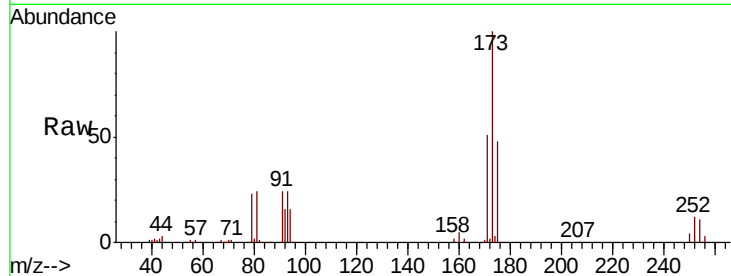
ClientSampleId :

VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.2
254	0.1	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

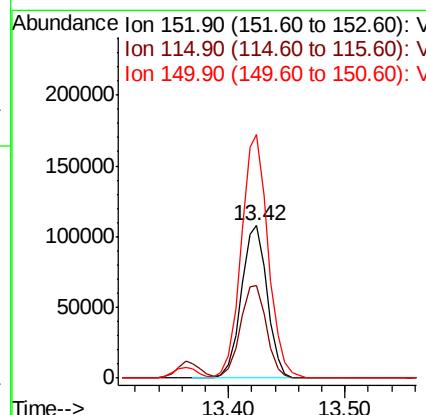
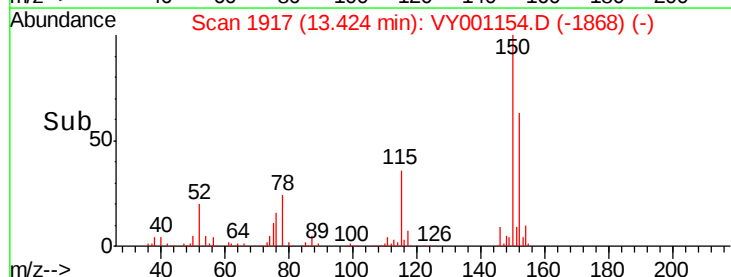
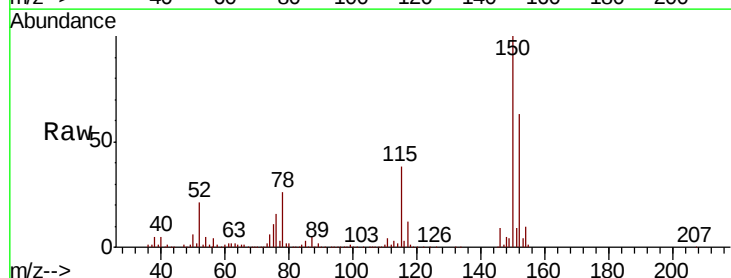
RT: 13.42 min Scan# 1917

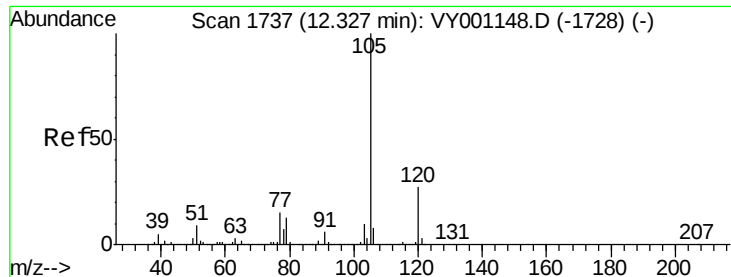
Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.9	92.5
150	165.8	0.0	346.8





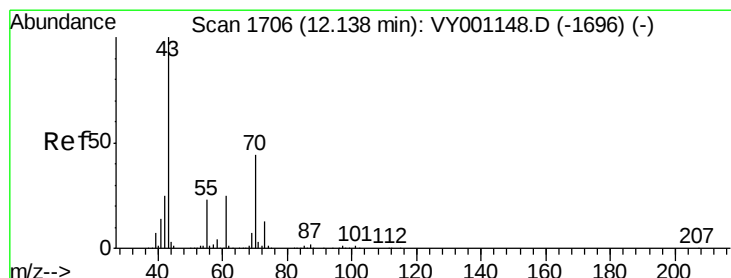
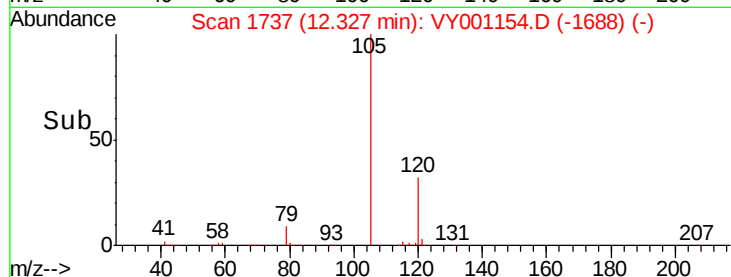
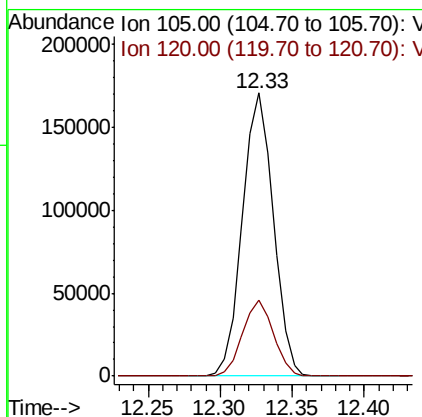
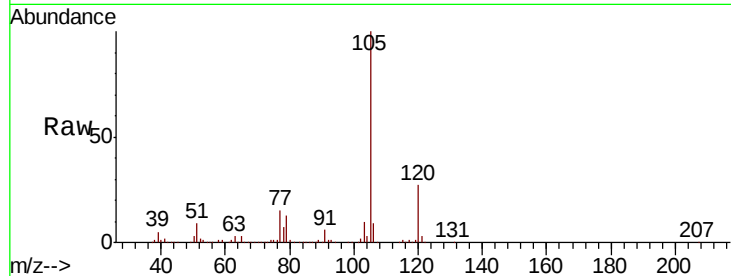
#73
Isopropylbenzene
Concen: 20.342 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

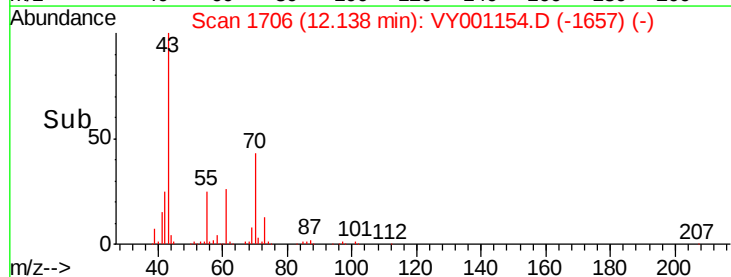
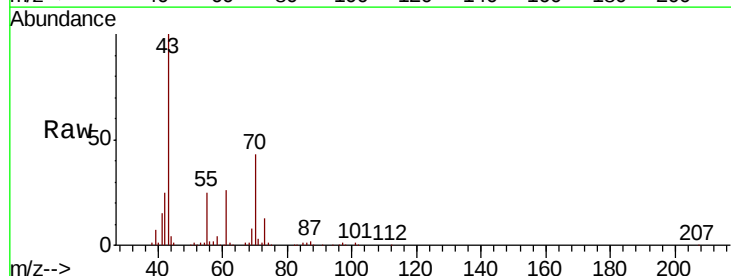
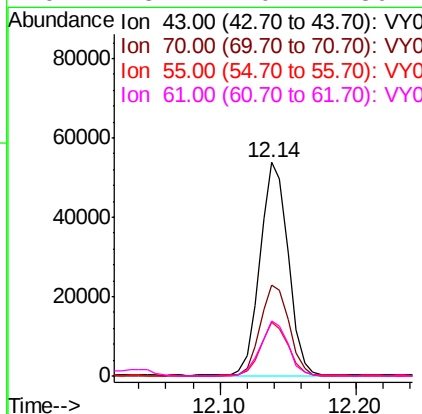
Manual Integrations
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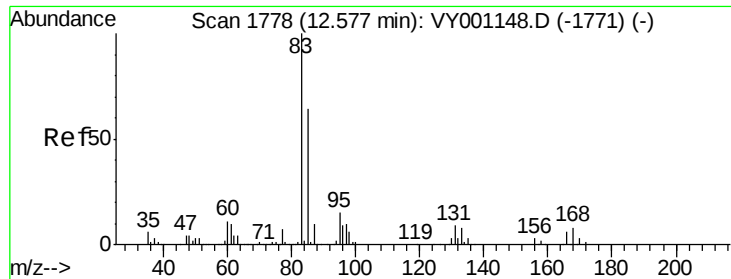
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#74
N-ethyl acetate
Concen: 20.051 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.1	35.0	52.6
55	24.5	18.4	27.6
61	25.4	20.1	30.1





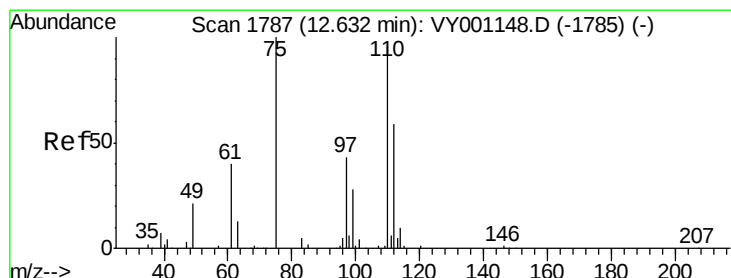
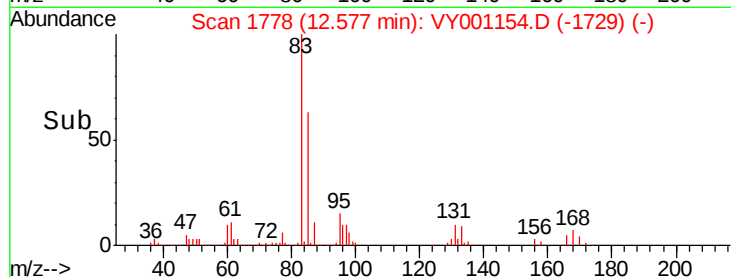
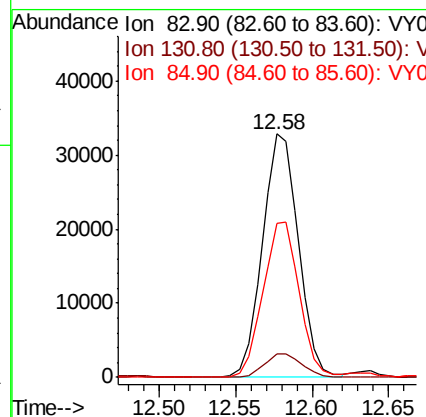
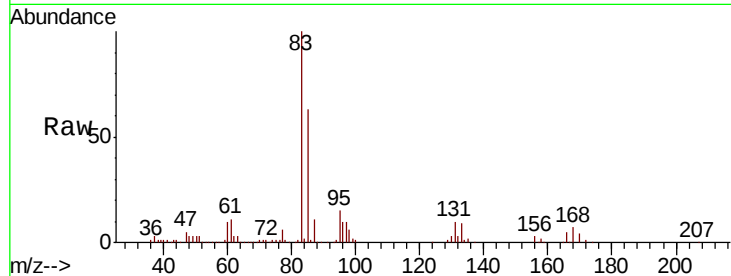
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.532 ug/l
 RT: 12.58 min Scan# 1778
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBSD01

Tot Ion	83	Resp	53968
Ion Ratio	100	Lower	Upper
83	100		
131	10.1	5.1	15.3
85	64.2	32.2	96.6

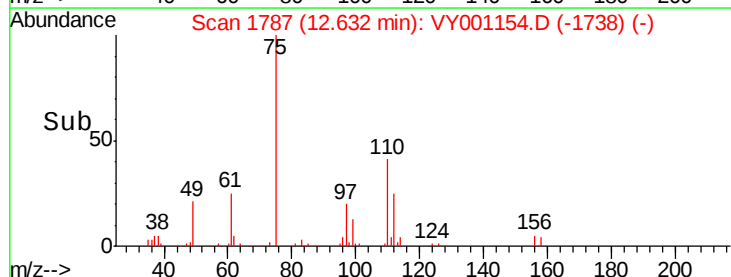
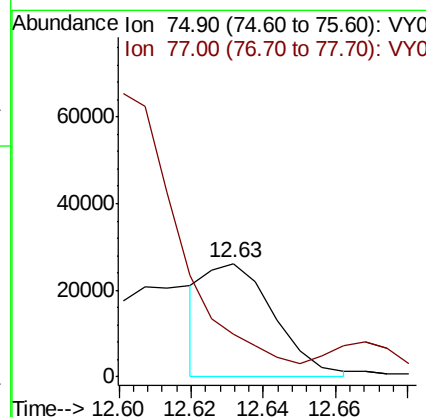
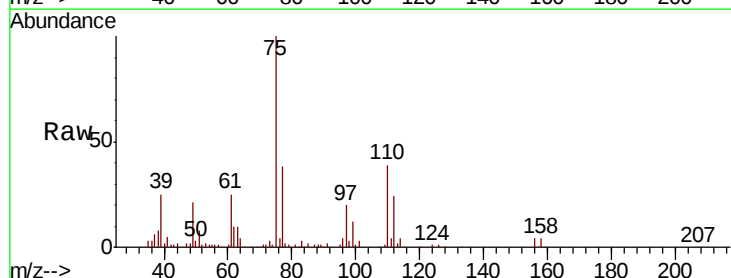
Manual Integrations
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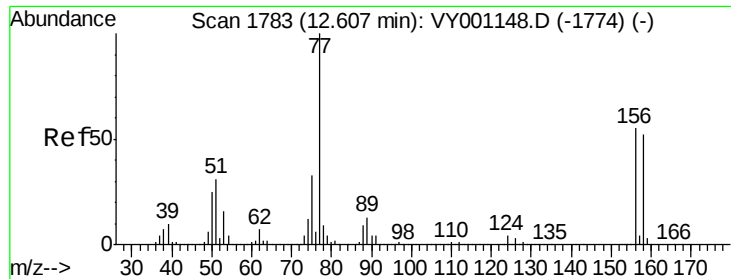
MMDadoda
 1/13/2020 12:39:21 PM



#76
 1,2,3-Trichloropropane
 Concen: 19.673 ug/l m
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	75	Resp	34997
Ion Ratio	100	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.702 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

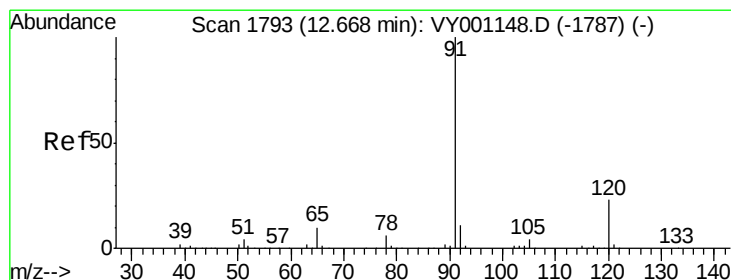
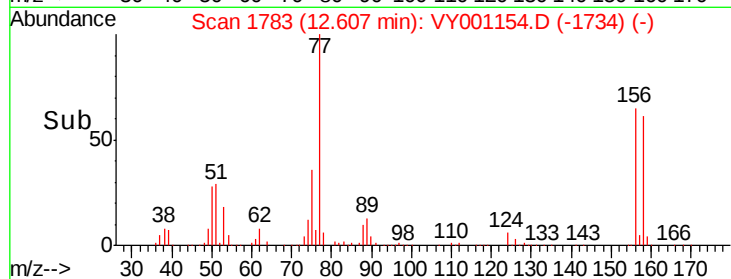
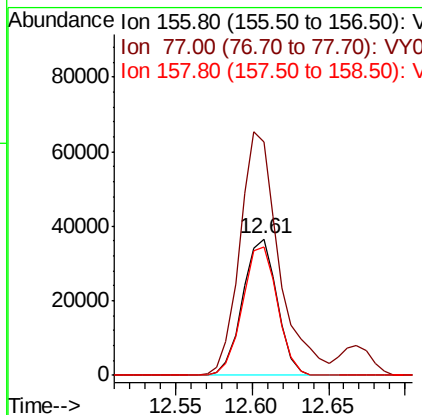
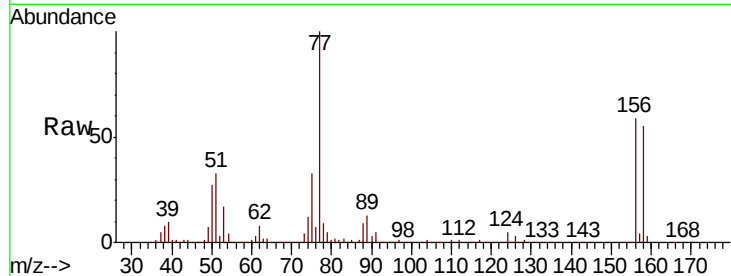
ClientSampleId :

VY0110SBSD01

Tot Ion	156	Resp	57148
Ion Ratio	Lower	Upper	
156	100		
77	203.2	106.7	320.1
158	95.6	48.3	144.8

Manual Integrations
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#78

n-propylbenzene

Concen: 20.332 ug/l

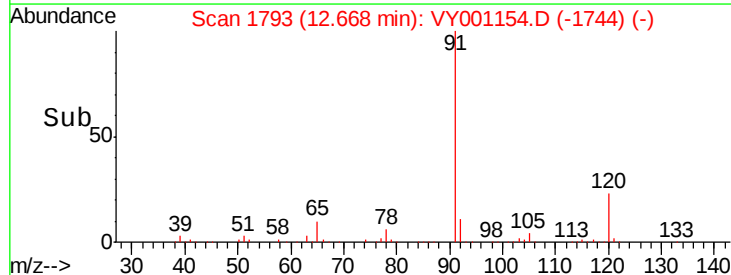
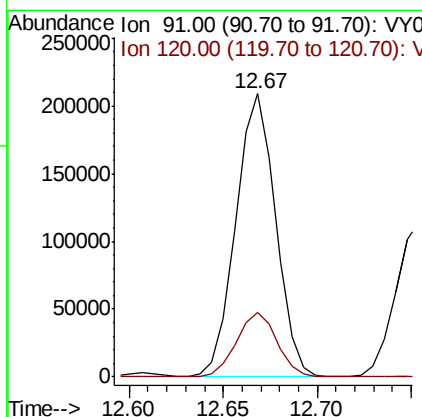
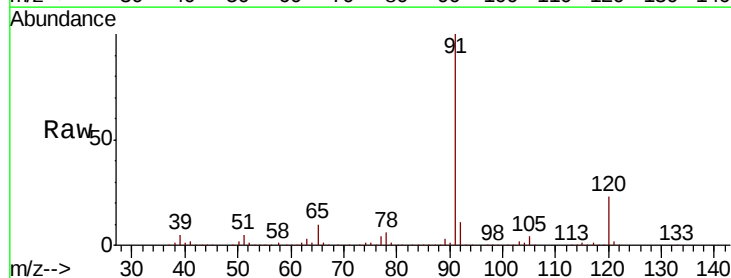
RT: 12.67 min Scan# 1793

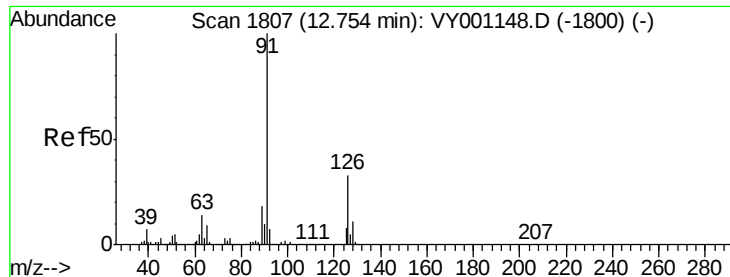
Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion	91	Resp	305531
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.5	34.4





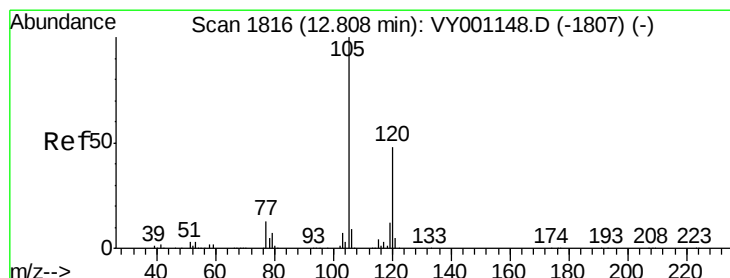
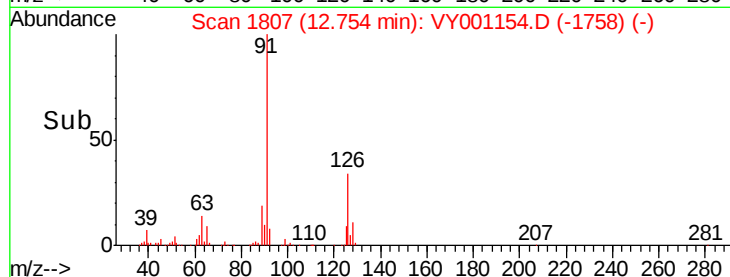
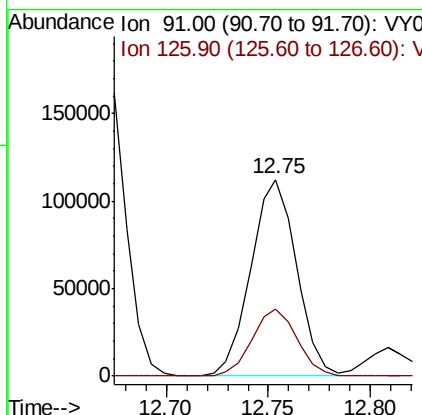
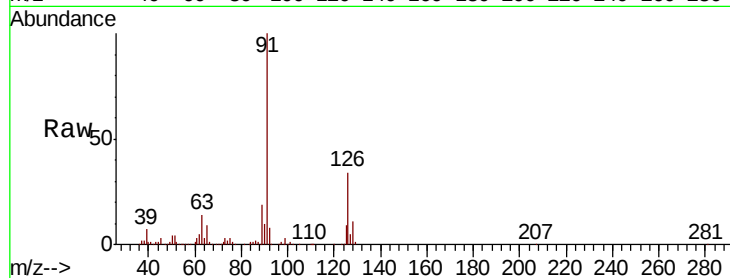
#79
2-Chlorotoluene
Concen: 20.230 ug/l
RT: 12.75 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.6	16.4	49.4

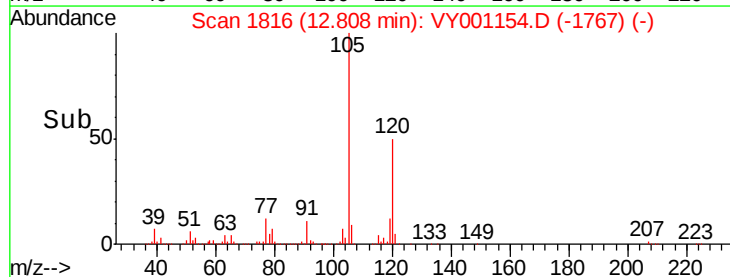
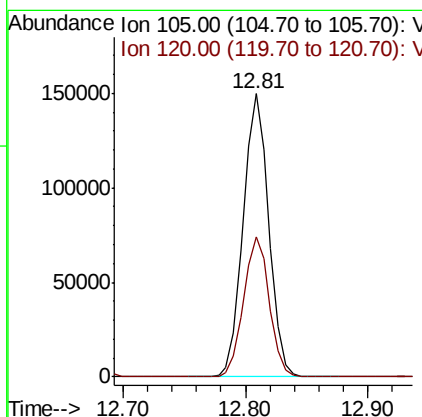
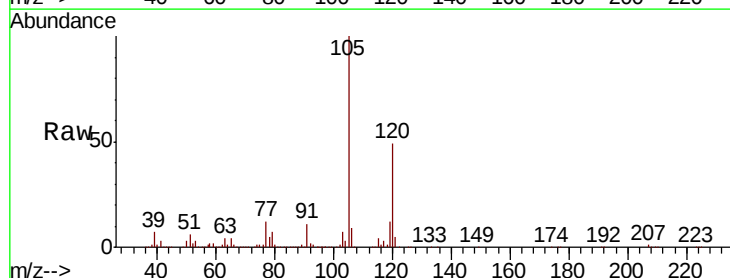
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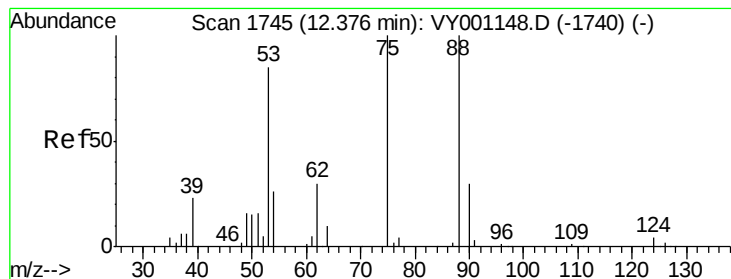
MMDadoda
1/13/2020 12:39:21 PM



#80
1,3,5-Trimethylbenzene
Concen: 20.792 ug/l
RT: 12.81 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.2	72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.200 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

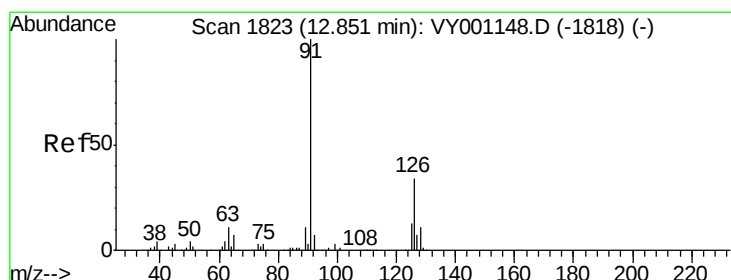
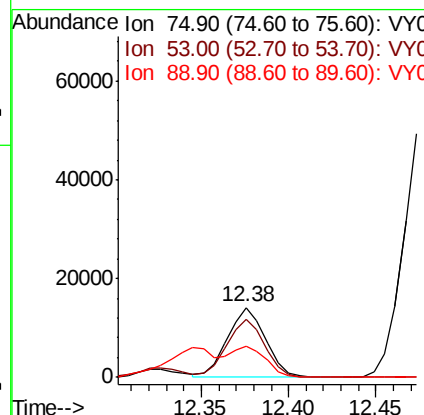
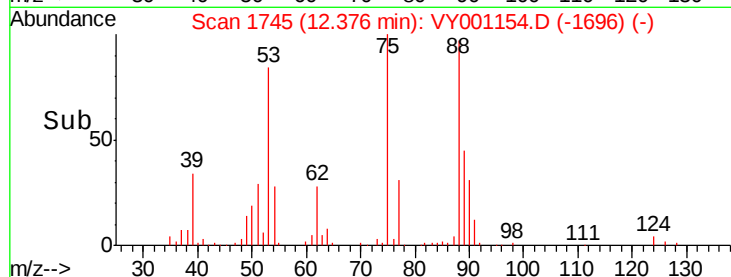
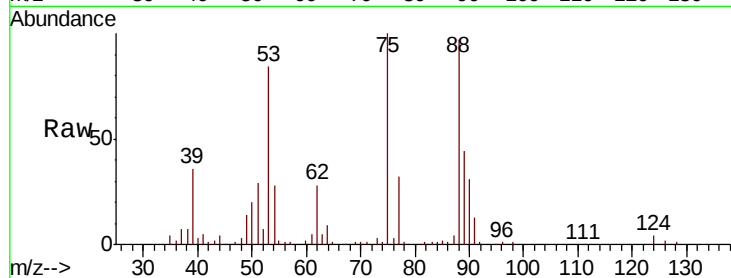
ClientSampleId :

VY0110SBSD01

Tot Ion:	75	Resp:	21191
Ion Ratio	Lower	Upper	
75	100		
53	83.3	69.4	104.2
89	38.1	0.0	0.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.219 ug/l

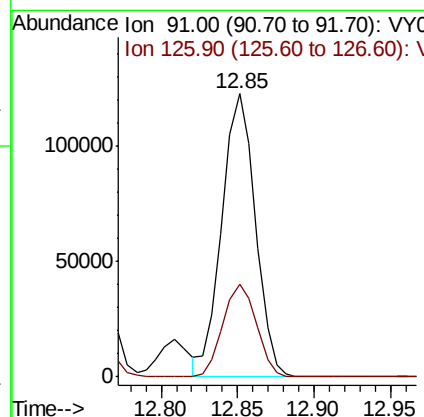
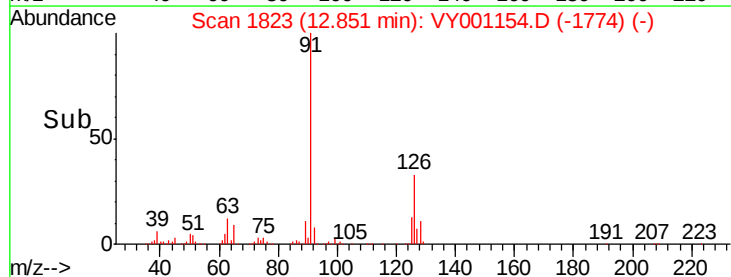
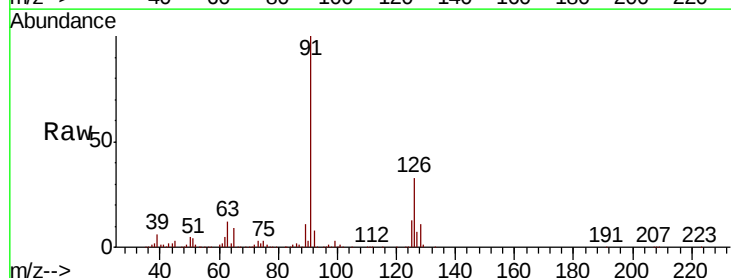
RT: 12.85 min Scan# 1823

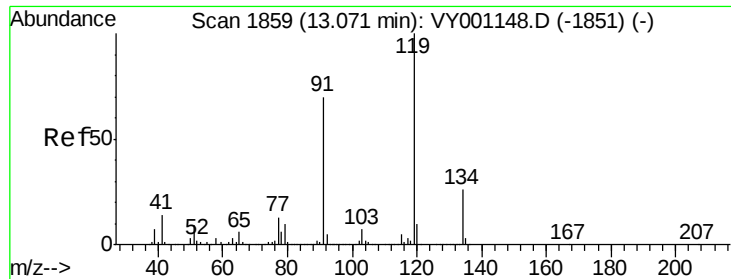
Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion:	91	Resp:	186286
Ion Ratio	Lower	Upper	
91	100		
126	33.0	16.3	48.8





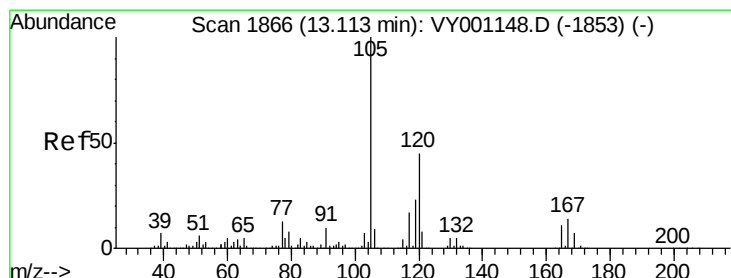
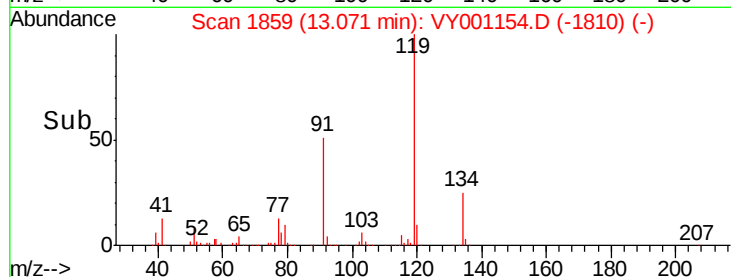
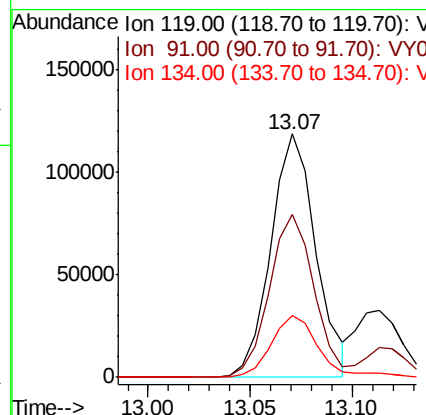
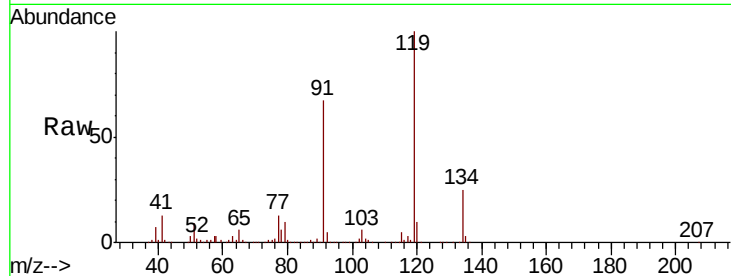
#83
tert-Butylbenzene
Concen: 20.790 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.9	101.7
134	27.2	13.5	40.4

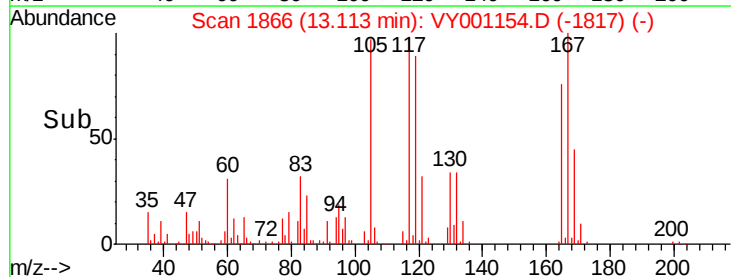
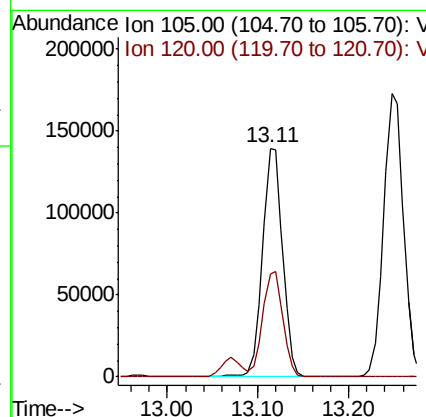
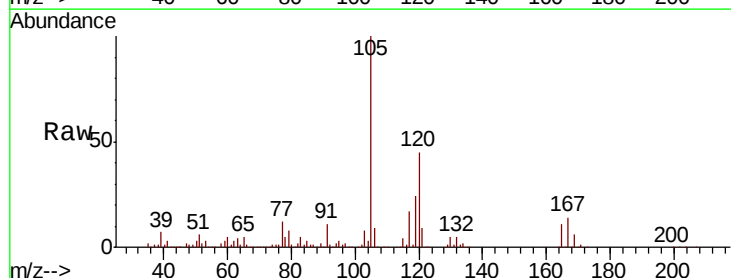
Manual Integrations
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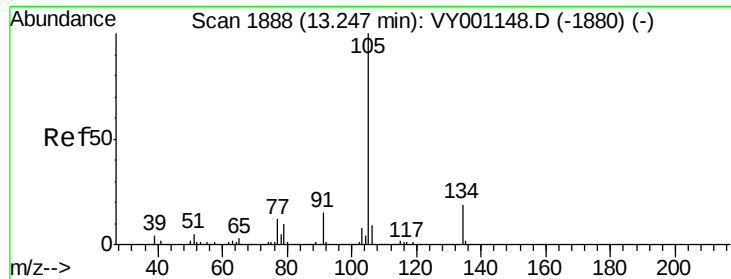
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.691 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.3





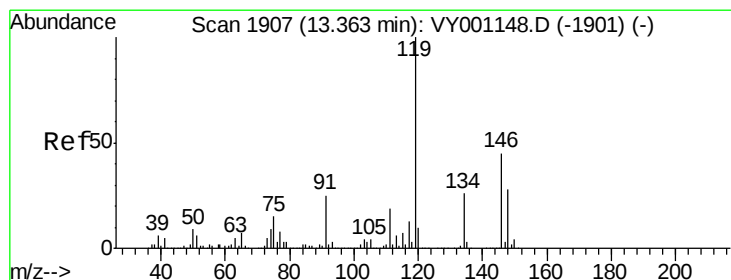
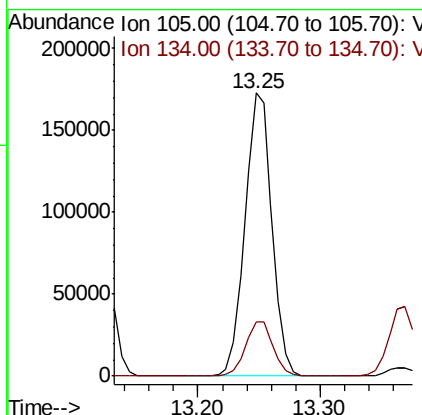
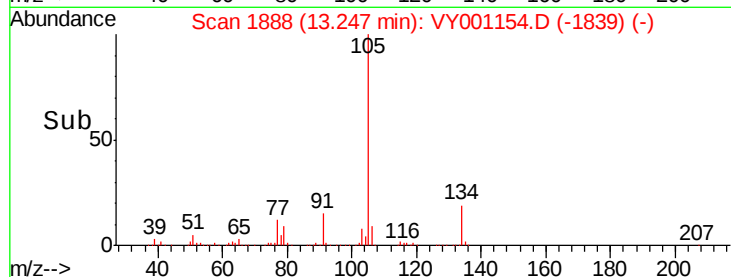
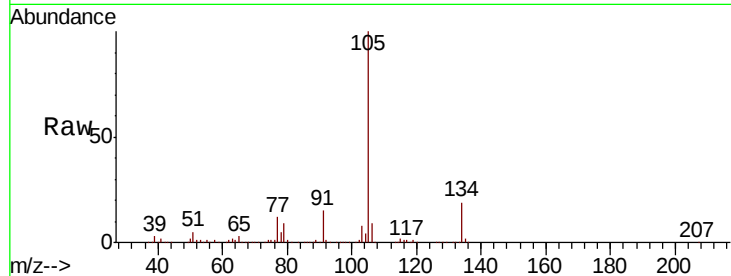
#85
 sec-Butylbenzene
 Concen: 20.896 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	263298		
134	19.7	9.8	29.5	

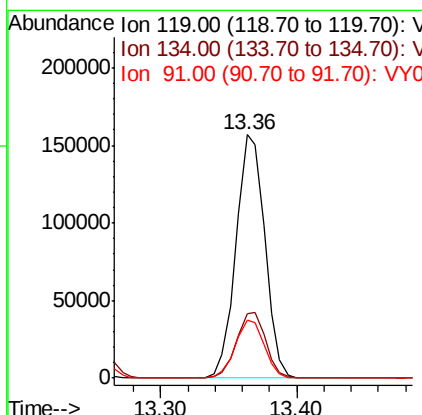
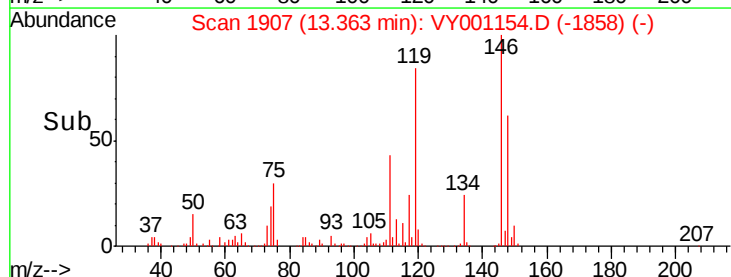
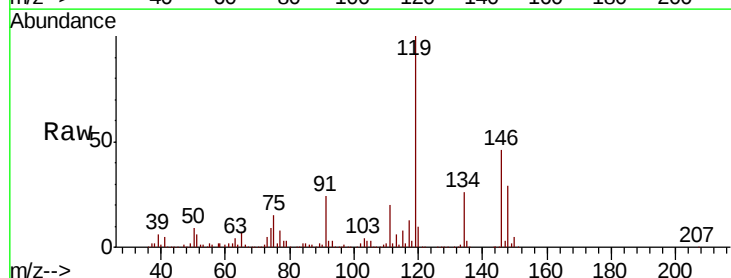
Manual Integrations
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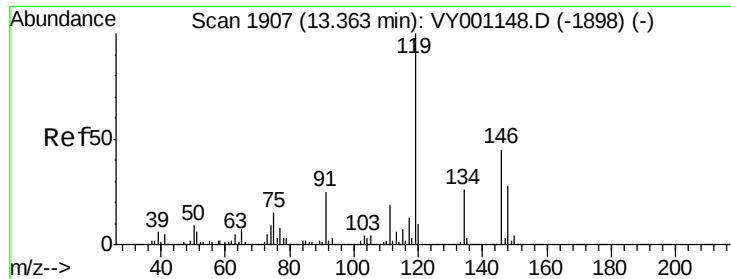
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#86
 p-Isopropyltoluene
 Concen: 21.144 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	231322		
134	27.3	13.4	40.2	
91	24.1	12.4	37.2	





#87

1,3-Dichlorobenzene

Concen: 21.018 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Instrument :

MSVOA_Y

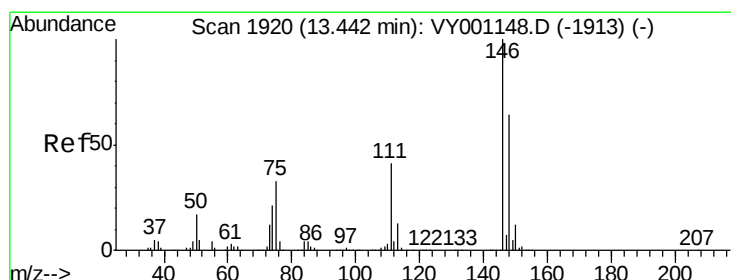
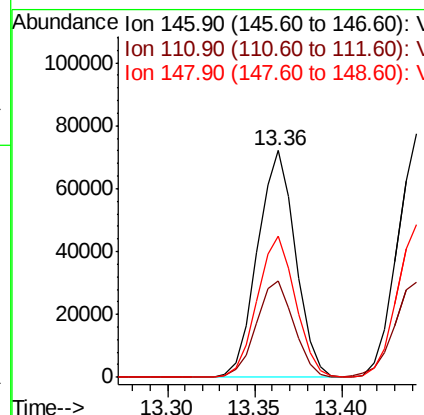
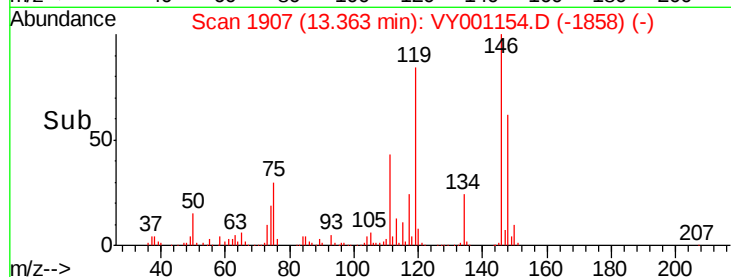
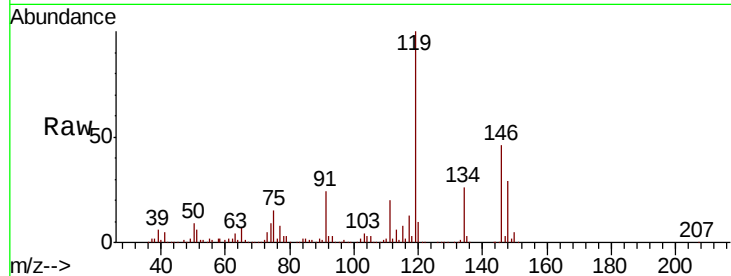
ClientSampleId :

VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	64.0
148	62.7	31.9	95.5

Manual Integrations
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1/13/2020 12:39:21 PM



#88

1,4-Dichlorobenzene

Concen: 20.801 ug/l

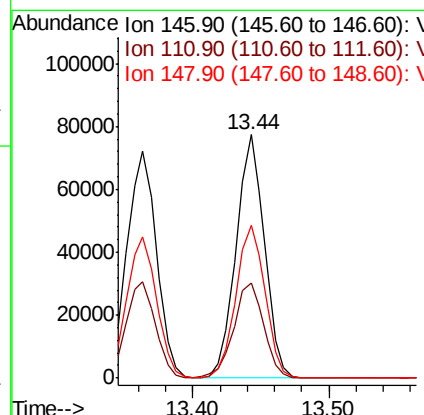
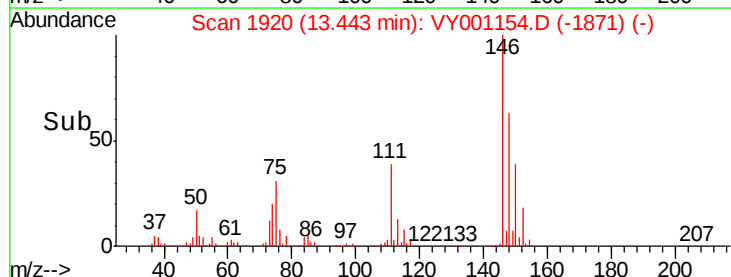
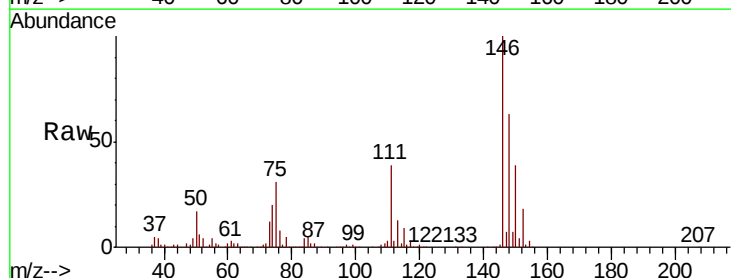
RT: 13.44 min Scan# 1920

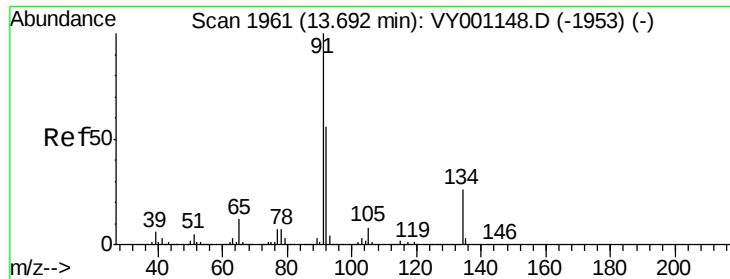
Delta R.T. 0.00 min

Lab File: VY001154.D

Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.8	62.5
148	64.8	32.0	96.2





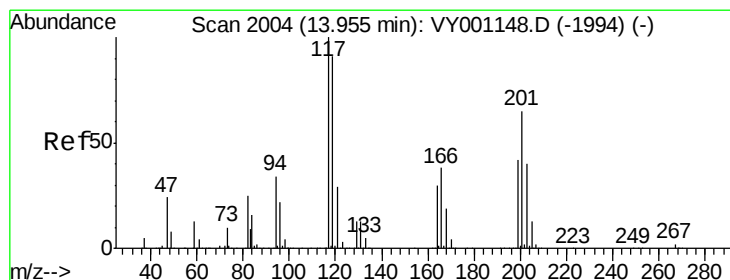
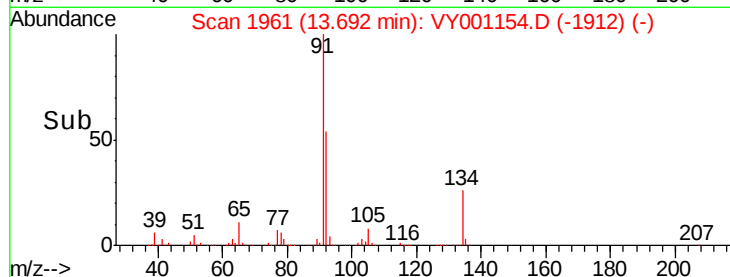
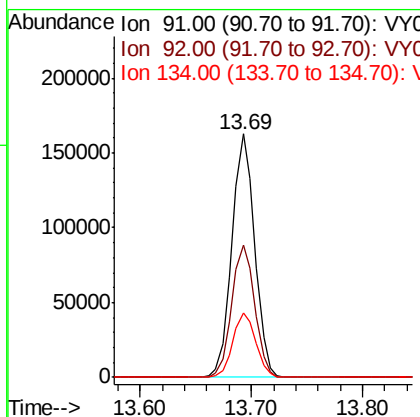
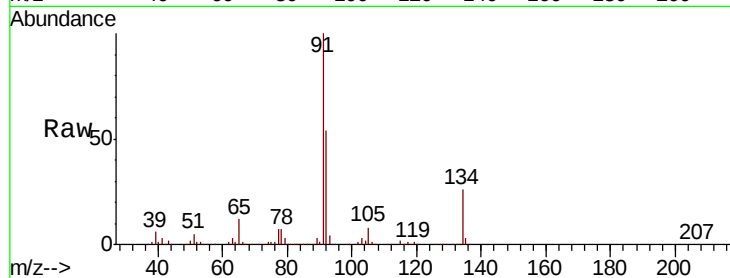
#89
n-Butylbenzene
Concen: 20.825 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	27.7	83.1
134	26.5	12.9	38.6

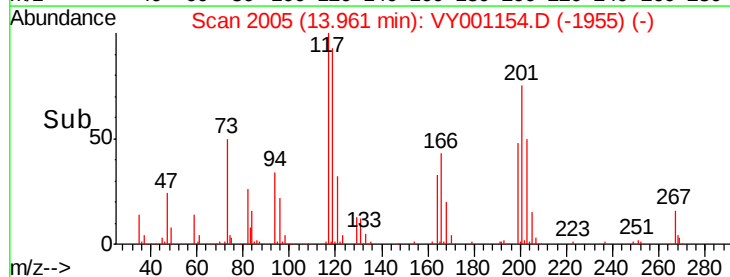
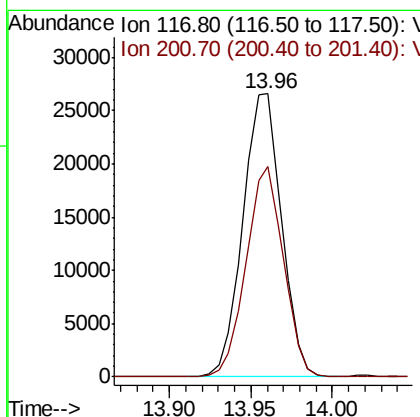
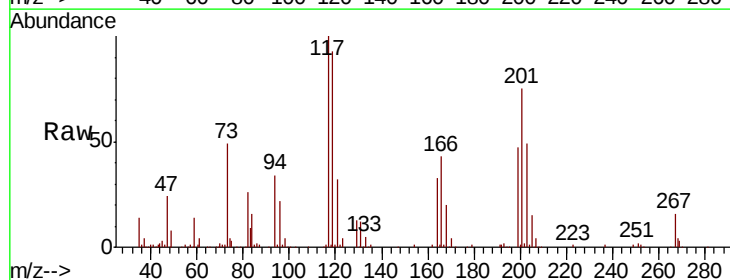
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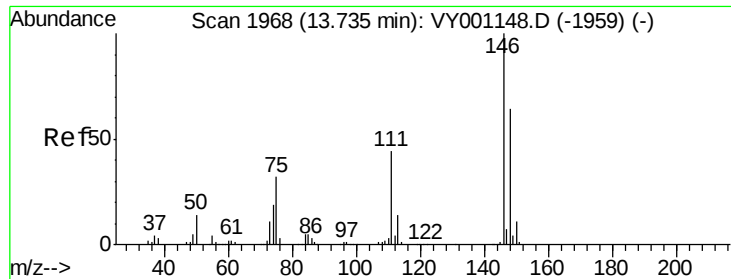
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#90
Hexachloroethane
Concen: 20.590 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.7	35.4	106.2





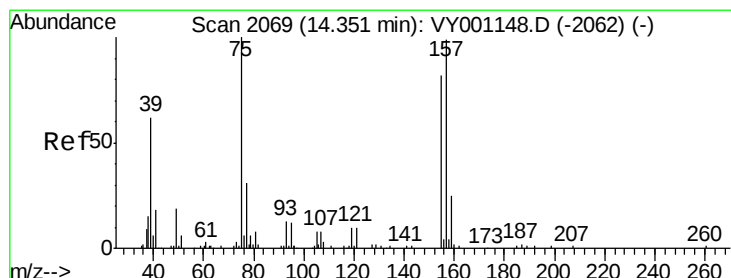
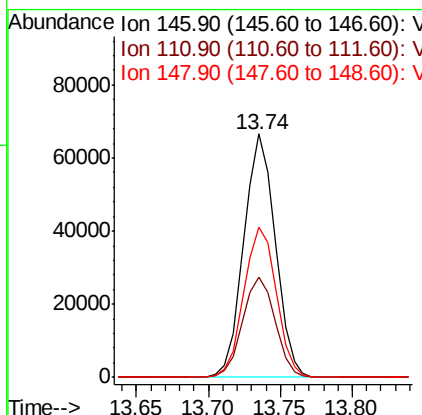
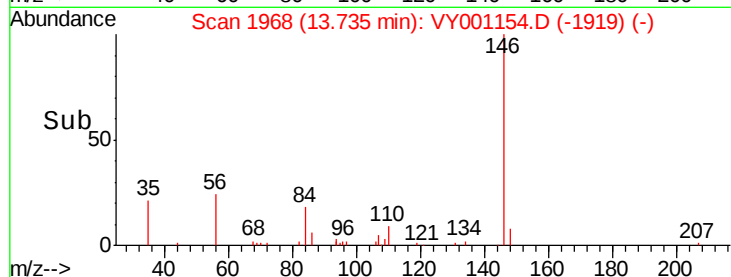
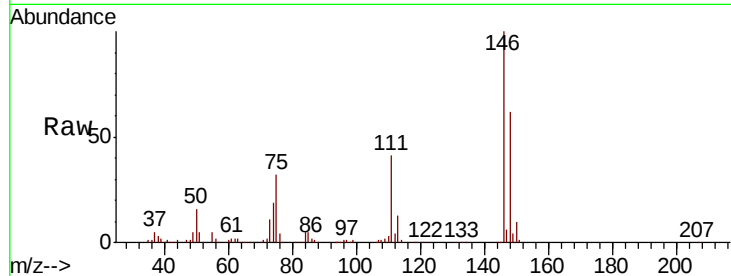
#91
1,2-Dichlorobenzene
Concen: 20.790 ug/l
RT: 13.74 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	22.0	66.0
148	63.5	32.1	96.3

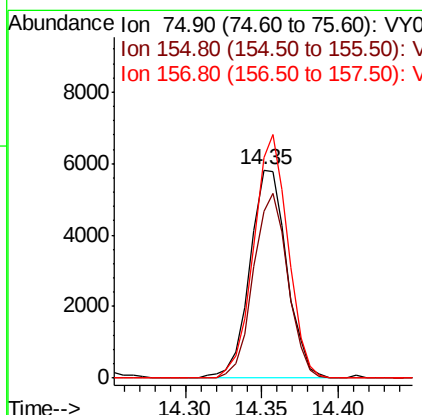
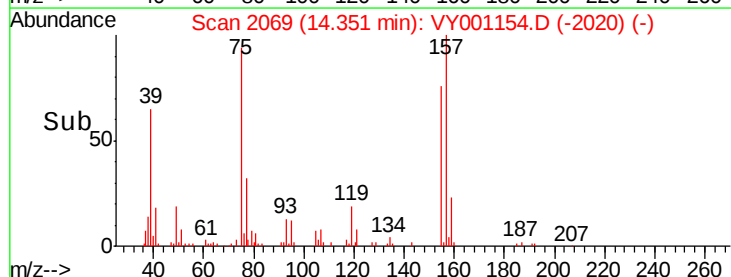
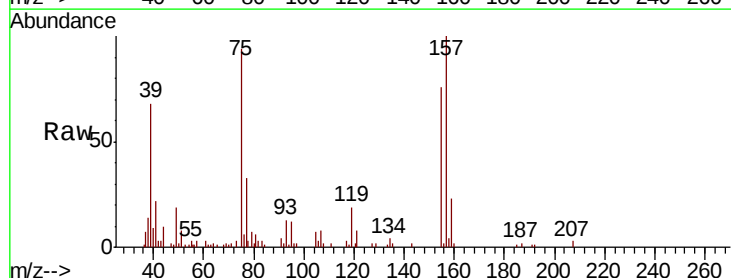
Manual Integrations
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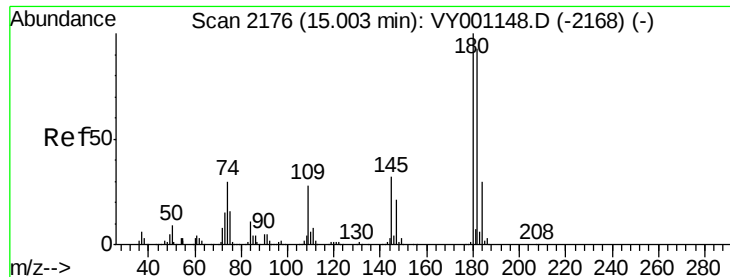
MMDadoda
1/13/2020 12:39:21 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 20.642 ug/l
RT: 14.35 min Scan# 2069
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.9	41.2	123.6
157	108.6	52.8	158.4





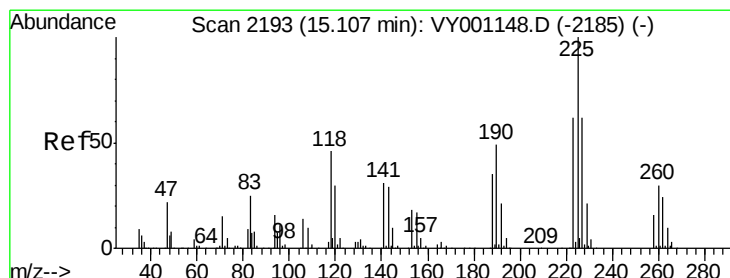
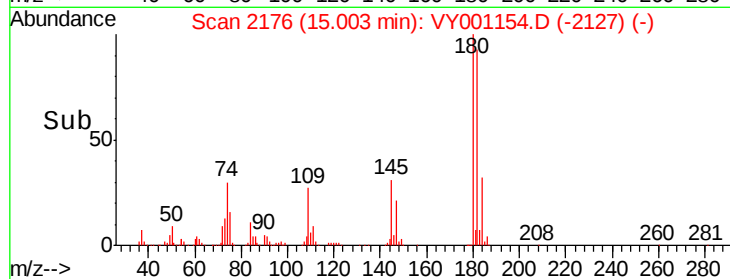
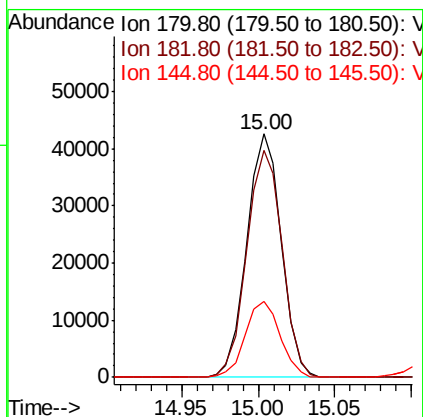
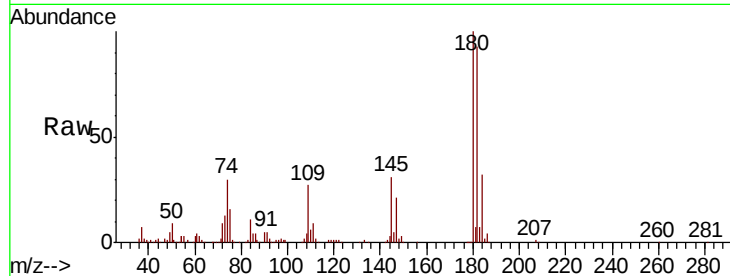
#93
 1,2,4-Trichlorobenzene
 Concen: 20.920 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0110SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	46.9	140.8
145	31.6	16.0	48.0

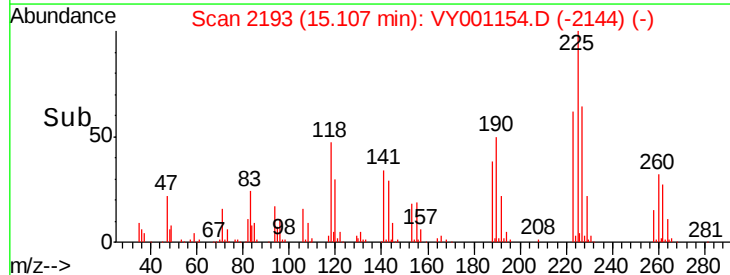
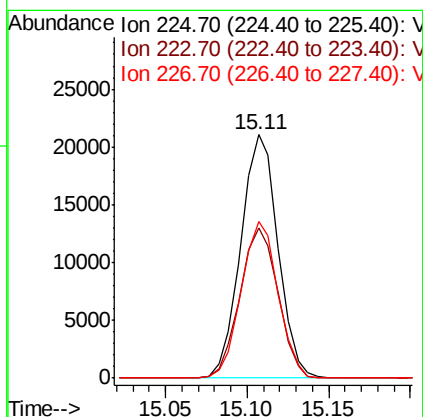
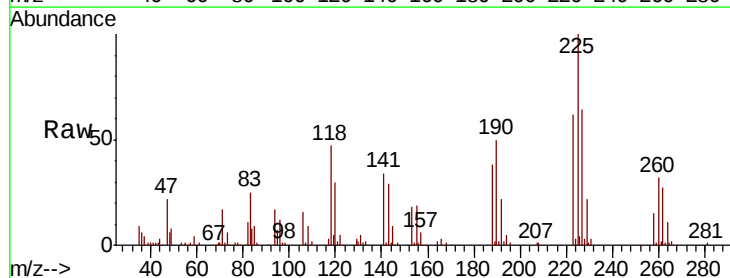
Manual Integrations
 APPROVED

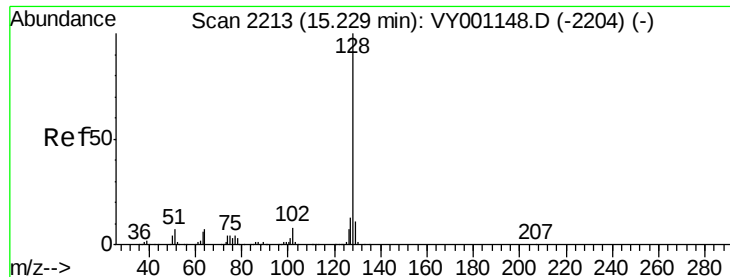
MMDadoda
 1/13/2020 12:39:21 PM



#94
 Hexachlorobutadiene
 Concen: 20.766 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001154.D
 Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	63.8	31.3	93.9





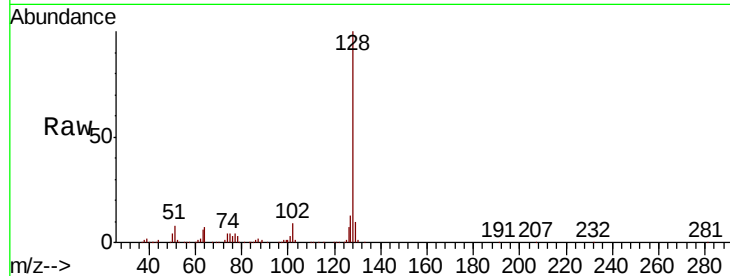
#95
Naphthalene
Concen: 20.741 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0110SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:39:21 PM

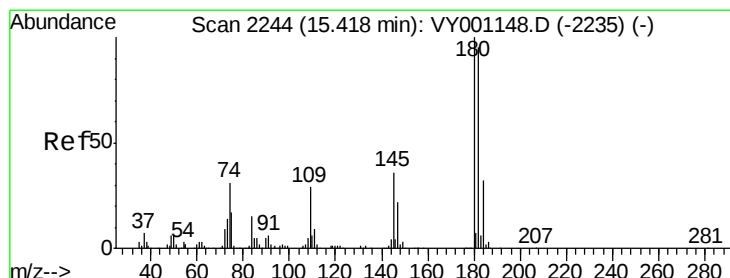
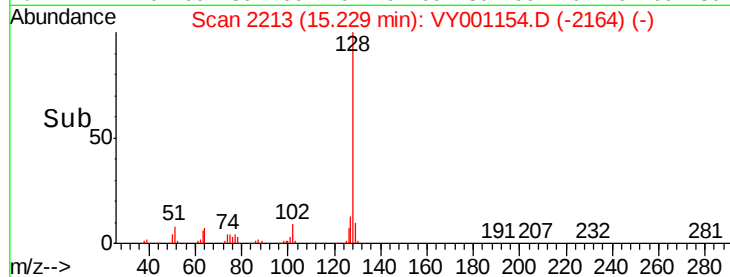
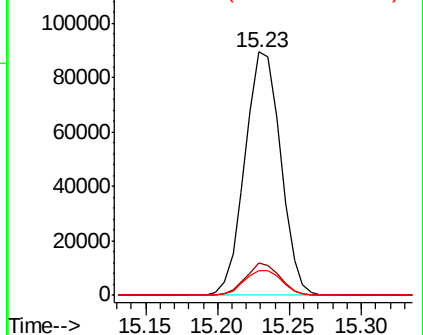


Abundance

Ion 128.00 (127.70 to 128.70): V

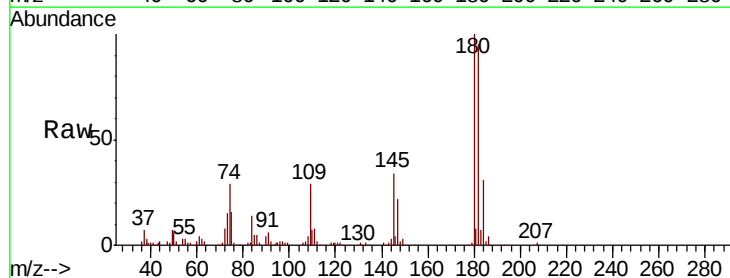
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.982 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001154.D
Acq: 10 Jan 2020 18:04

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.5	142.5
145	34.9	17.1	51.3



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

