

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011020\
 Data File : VY001145.D
 Acq On : 10 Jan 2020 13:57
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:42 PM

Quant Time: Jan 10 15:36:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 15:28:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	226060	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	380318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	336189	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	159935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	12439	6.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.58%	
35) Dibromofluoromethane	7.72	113	11216	5.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.34%	
50) Toluene-d8	10.18	98	46712	5.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.56%	
62) 4-Bromofluorobenzene	12.48	95	18017	5.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.60%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.90	85	7795	4.757	ug/l 97
3) Chloromethane	2.12	50	13347	9.779	ug/l 97
4) Vinyl Chloride	2.26	62	12188	8.706	ug/l 100
5) Bromomethane	2.65	94	7348	7.795	ug/l 87
6) Chloroethane	2.80	64	7740	8.454	ug/l 89
7) Trichlorofluoromethane	3.13	101	18514	5.724	ug/l 91
8) Diethyl Ether	3.54	74	6522	5.497	ug/l 86
9) 1,1,2-Trichlorotrifluoroet	3.91	101	11171	5.477	ug/l 95
10) Methyl Iodide	4.10	142	15284	4.941	ug/l 98
11) Tert butyl alcohol	4.96	59	7460	38.879	ug/l # 88
12) 1,1-Dichloroethene	3.88	96	11626	5.548	ug/l 97
13) Acrolein	3.74	56	5675	31.490	ug/l 90
14) Allyl chloride	4.49	41	19278	7.835	ug/l 98
15) Acrylonitrile	5.17	53	17230	33.186	ug/l 97
16) Acetone	3.96	43	15637	40.069	ug/l 94
17) Carbon Disulfide	4.20	76	35994	5.693	ug/l # 95
18) Methyl Acetate	4.48	43	10674	8.796	ug/l 100
19) Methyl tert-butyl Ether	5.23	73	31646	6.074	ug/l 97
20) Methylene Chloride	4.72	84	21910	8.903	ug/l 94
21) trans-1,2-Dichloroethene	5.23	96	13212	5.639	ug/l 96
22) Diisopropyl ether	6.13	45	39850	7.883	ug/l 92
23) Vinyl Acetate	6.07	43	122120	38.199	ug/l 95
24) 1,1-Dichloroethane	6.04	63	21921	6.631	ug/l 99
25) 2-Butanone	7.00	43	22917	35.941	ug/l 98
26) 2,2-Dichloropropane	6.99	77	22370	6.361	ug/l 96
27) cis-1,2-Dichloroethene	7.00	96	14678	5.317	ug/l 96
28) Bromochloromethane	7.35	49	8059	6.189	ug/l 98
29) Tetrahydrofuran	7.36	42	14884	34.515	ug/l 96
30) Chloroform	7.52	83	21892	5.512	ug/l 99
31) Cyclohexane	7.79	56	25952	6.742	ug/l # 75
32) 1,1,1-Trichloroethane	7.71	97	19494	5.325	ug/l 98
36) 1,1-Dichloropropene	7.92	75	17721	5.335	ug/l 99
37) Ethyl Acetate	7.08	43	10473	7.118	ug/l 96
38) Carbon Tetrachloride	7.91	117	16176	4.784	ug/l 98

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Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	24112	5.255	ug/l	98
40) Benzene	8.17	78	52233	5.149	ug/l	100
41) Methacrylonitrile	7.32	41	5035m	6.903	ug/l	
42) 1,2-Dichloroethane	8.25	62	14577	5.852	ug/l	97
43) Isopropyl Acetate	8.28	43	20160	6.935	ug/l	99
44) Trichloroethene	8.94	130	13421	4.502	ug/l	100
45) 1,2-Dichloropropane	9.22	63	12639	5.499	ug/l	98
46) Dibromomethane	9.31	93	7171	5.335	ug/l	99
47) Bromodichloromethane	9.50	83	16967	5.543	ug/l	96
48) Methyl methacrylate	9.30	41	9118	7.199	ug/l	96
49) 1,4-Dioxane	9.31	88	1538	77.302	ug/l #	91
51) 4-Methyl-2-Pentanone	10.07	43	49961	35.659	ug/l	98
52) Toluene	10.24	92	33128	5.290	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	18969	5.862	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	21539	5.669	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	10600	5.495	ug/l	96
56) Ethyl methacrylate	10.51	69	15393	6.022	ug/l	100
57) 1,3-Dichloropropane	10.79	76	17571	5.763	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	33813	36.824	ug/l	100
59) 2-Hexanone	10.83	43	34895	37.226	ug/l	99
60) Dibromochloromethane	10.99	129	11816	5.371	ug/l	100
61) 1,2-Dibromoethane	11.09	107	10268	5.496	ug/l	98
64) Tetrachloroethene	10.72	164	11086	3.728	ug/l	92
65) Chlorobenzene	11.52	112	35516	5.032	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.59	131	12066	4.864	ug/l	97
67) Ethyl Benzene	11.59	91	64080	5.178	ug/l	98
68) m/p-Xylenes	11.70	106	48080	9.846	ug/l	98
69) o-Xylene	12.03	106	23387	5.045	ug/l	99
70) Styrene	12.04	104	39970	5.074	ug/l	99
71) Bromoform	12.20	173	7133	4.810	ug/l #	93
73) Isopropylbenzene	12.33	105	61210	5.099	ug/l	100
74) N-amyl acetate	12.14	43	18577	7.357	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.58	83	12907	5.874	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	10048m	6.088	ug/l	
77) Bromobenzene	12.61	156	13767	4.783	ug/l	97
78) n-propylbenzene	12.67	91	73403	5.150	ug/l	99
79) 2-Chlorotoluene	12.75	91	41943	5.275	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	50583	4.964	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	4909	5.809	ug/l #	92
82) 4-Chlorotoluene	12.85	91	45205	5.481	ug/l	100
83) tert-Butylbenzene	13.07	119	43668	5.064	ug/l	99
84) 1,2,4-Trimethylbenzene	13.11	105	51384	5.036	ug/l	99
85) sec-Butylbenzene	13.25	105	62186	5.127	ug/l	99
86) p-Isopropyltoluene	13.37	119	55125	5.063	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	27000	5.004	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	27505	5.053	ug/l	94
89) n-Butylbenzene	13.69	91	55559	5.362	ug/l	97
90) Hexachloroethane	13.95	117	10671	5.242	ug/l	96
91) 1,2-Dichlorobenzene	13.73	146	23827	4.807	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	2476	6.278	ug/l	100

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ClientSampleId :
VSTDICC005

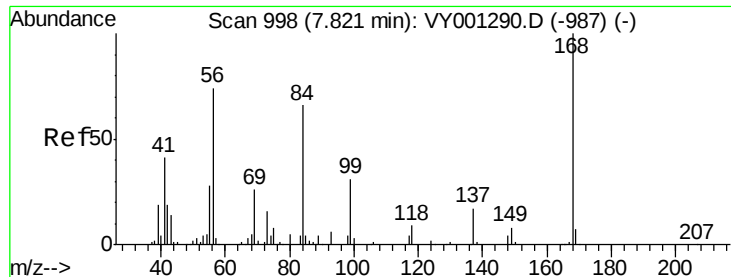
Manual Integrations
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1/13/2020 12:38:42 PM

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Quant Title : SW846 8260
QLast Update : Fri Jan 10 15:28:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	17342	5.108	ug/l	98
94) Hexachlorobutadiene	15.11	225	8773	5.109	ug/l	99
95) Naphthalene	15.23	128	38981	4.993	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	15078	4.981	ug/l	100

(#) = 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: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 226060

Ion Ratio Lower Upper

168 100

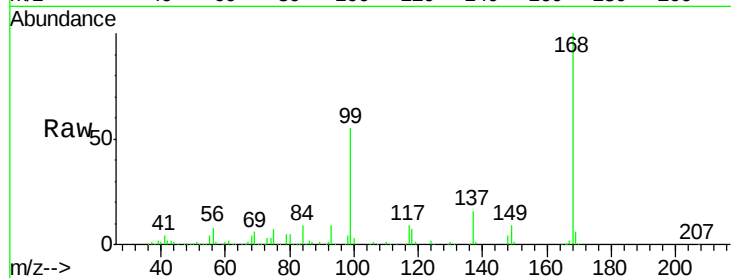
99 54.6 47.9 71.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001290.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001290.D (-987) (-)

7.80

100000

80000

60000

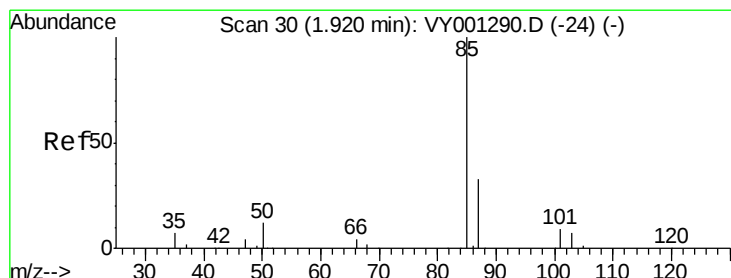
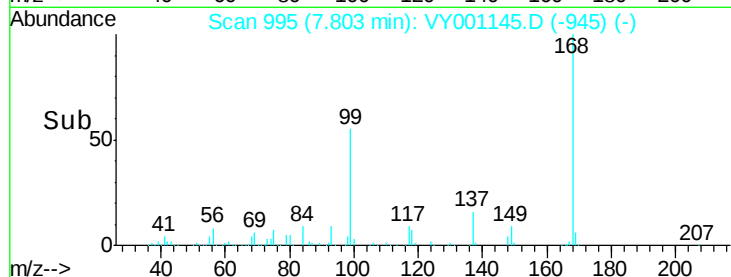
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.757 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001145.D

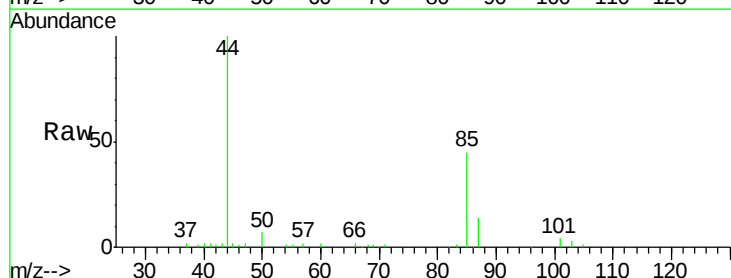
Acq: 10 Jan 2020 13:57

Tgt Ion: 85 Resp: 7795

Ion Ratio Lower Upper

85 100

87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001290.D (-24) (-)

Ion 86.90 (86.60 to 87.60): VY001290.D (-24) (-)

1.90

6000

5000

4000

3000

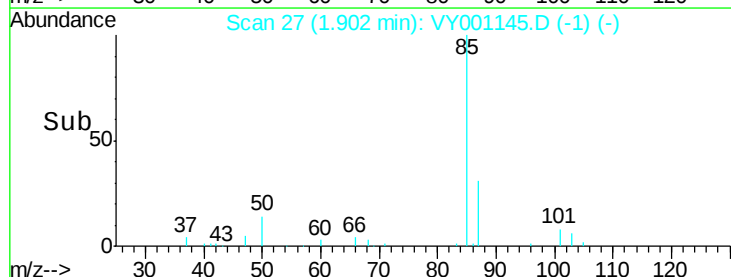
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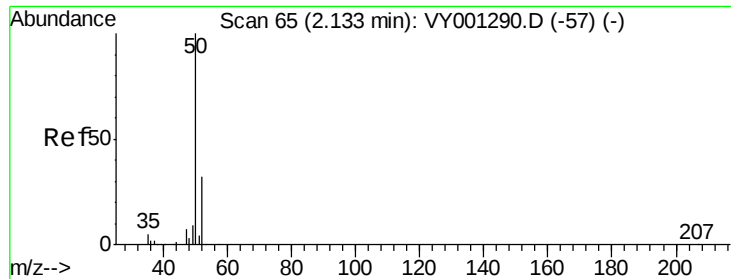
1000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 9.779 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 13347

Ion Ratio Lower Upper

50 100

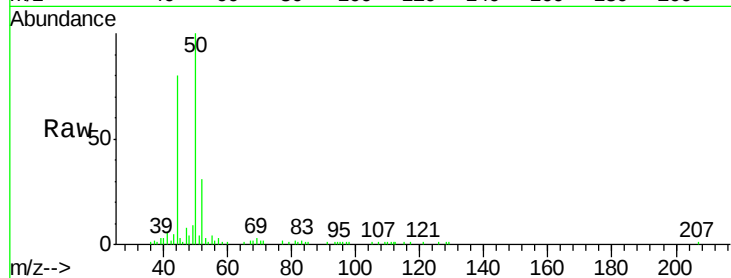
52 30.6 25.8 38.6

Manual Integrations

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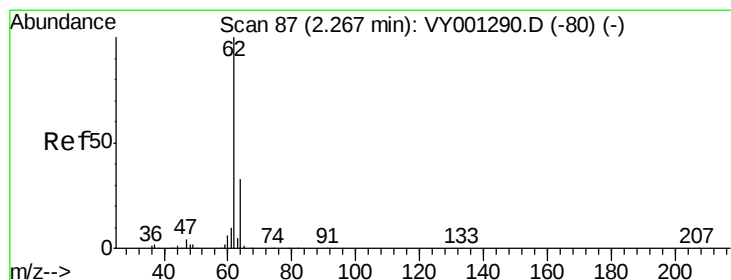
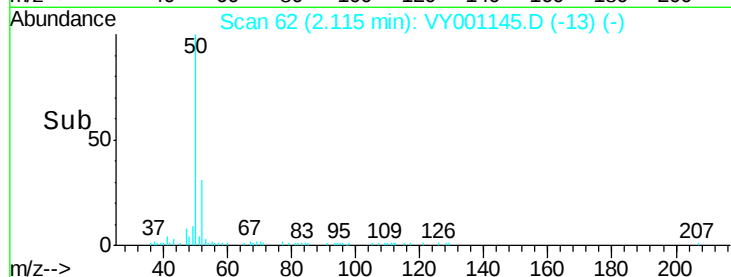
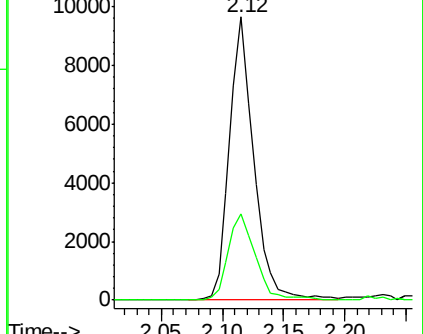
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 8.706 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001145.D

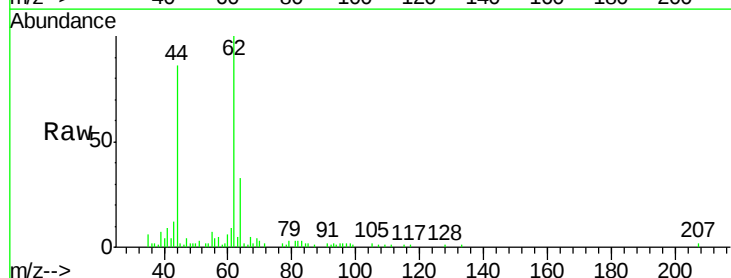
Acq: 10 Jan 2020 13:57

Tgt Ion: 62 Resp: 12188

Ion Ratio Lower Upper

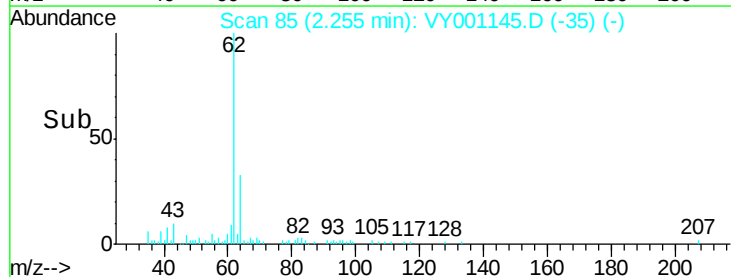
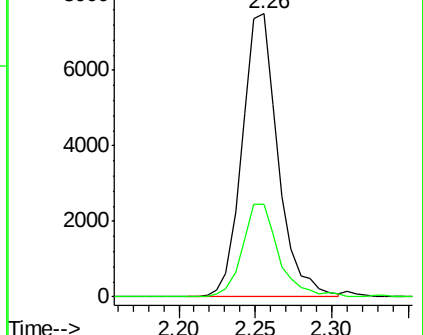
62 100

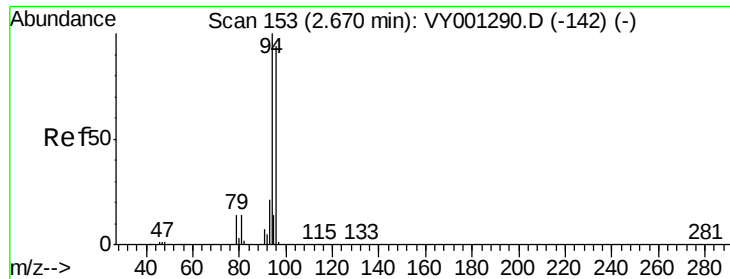
64 32.5 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 7.795 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 7348

Ion Ratio Lower Upper

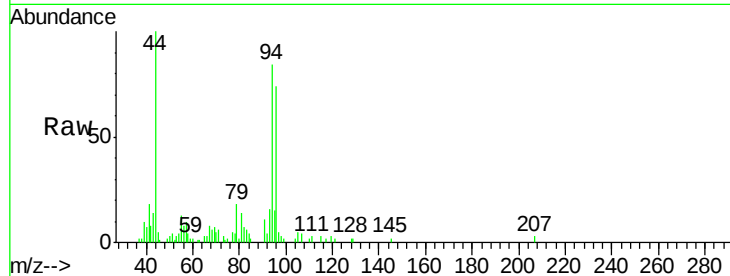
94 100

96 84.3 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

2.65

4000

3000

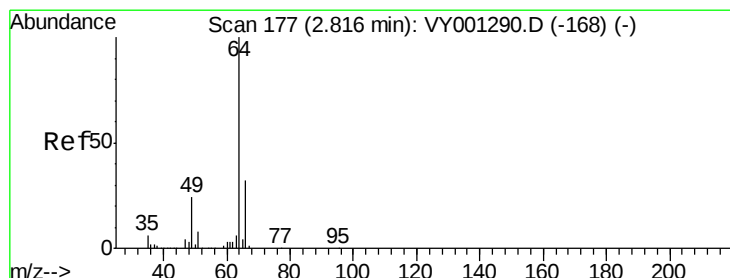
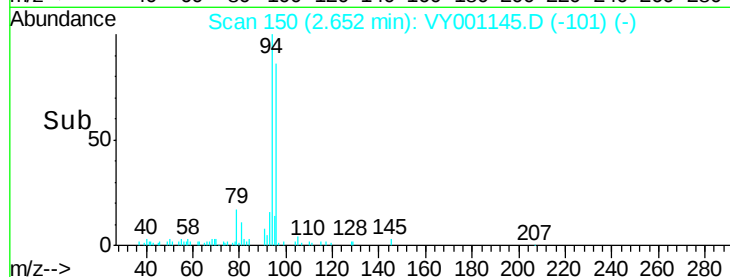
2000

1000

0

Time-->

2.55 2.60 2.65 2.70 2.75



#6

Chloroethane

Concen: 8.454 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001145.D

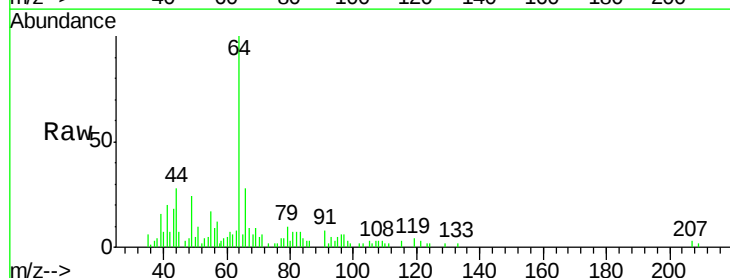
Acq: 10 Jan 2020 13:57

Tgt Ion: 64 Resp: 7740

Ion Ratio Lower Upper

64 100

66 25.7 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

4000

3000

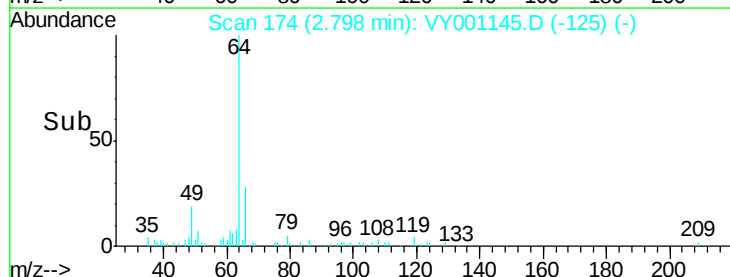
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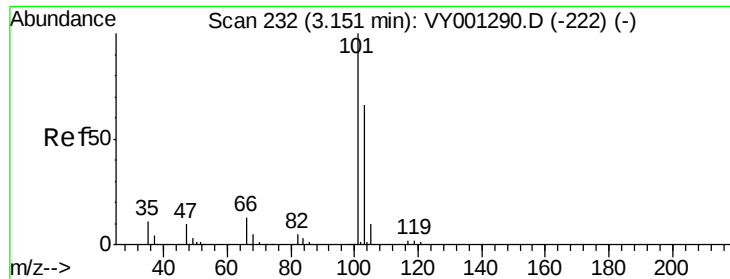
1000

0

Time-->

2.70 2.75 2.80 2.85 2.90





#7

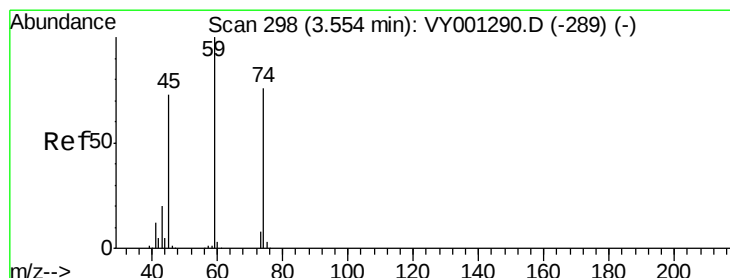
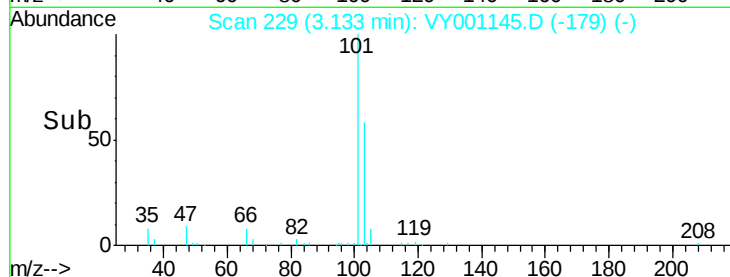
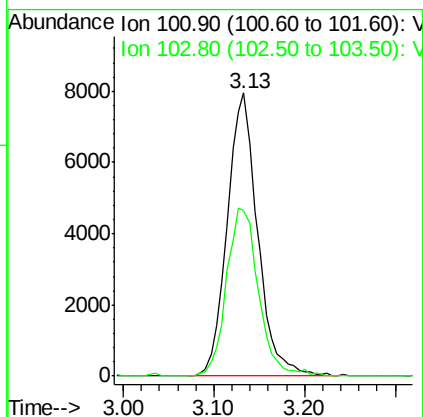
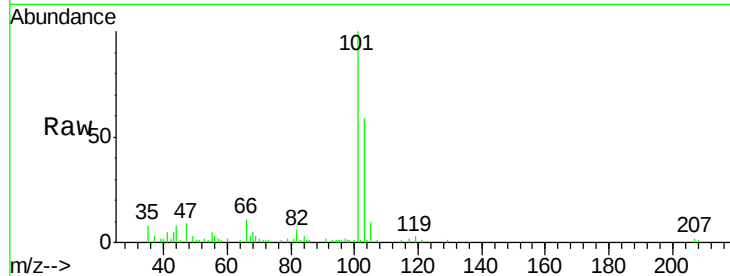
Trichlorofluoromethane
 Concen: 5.724 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.7	52.6	79.0

Manual Integrations
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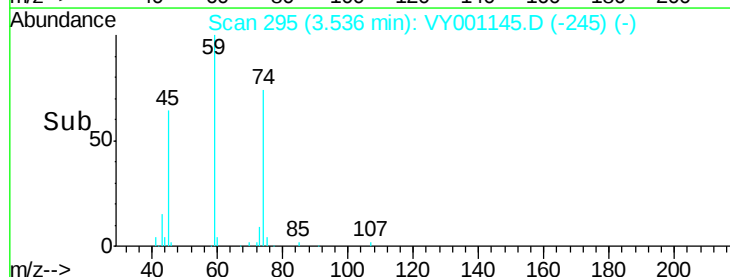
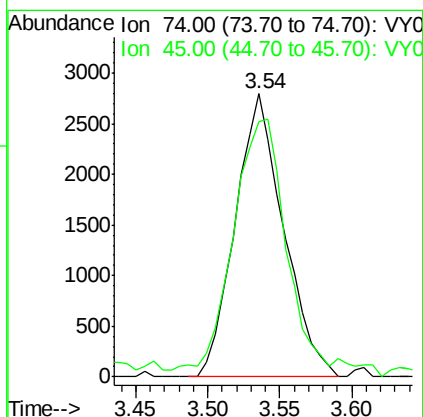
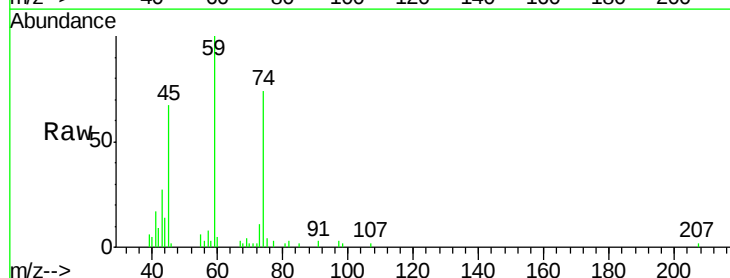
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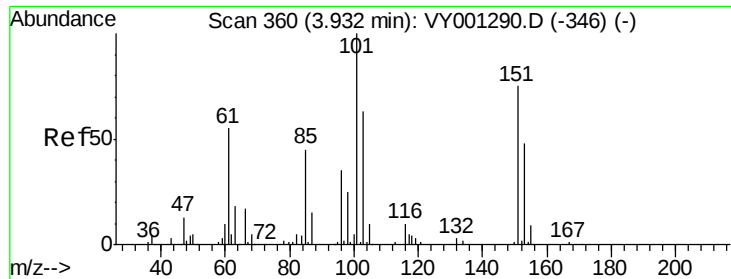


#8

Diethyl Ether
 Concen: 5.497 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. 0.01 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.477 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

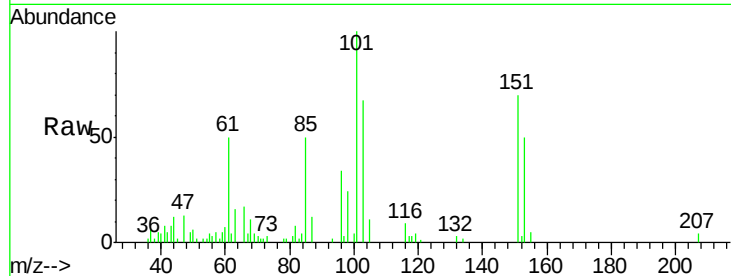
ClientSampleId :

VSTDIC005

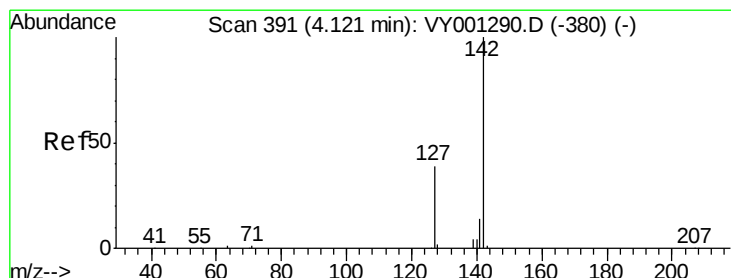
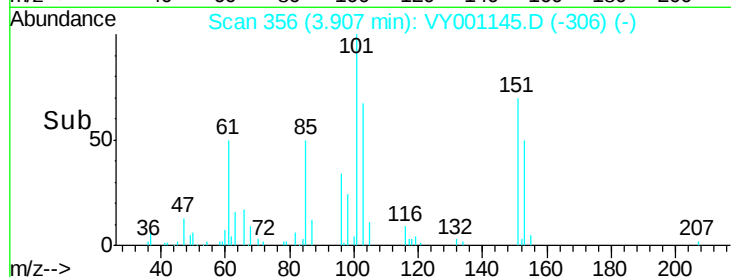
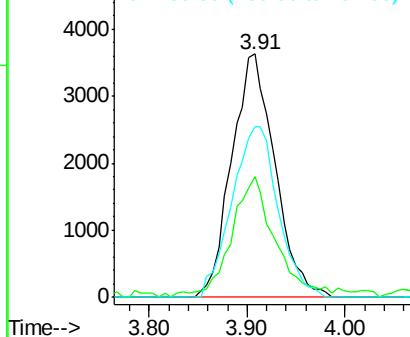
Tot Ion:	101	Resp:	11171
Ion Ratio	Lower	Upper	
101	100		
85	50.5	35.2	52.8
151	74.9	61.4	92.2

Manual Integrations
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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: 4.941 ug/l

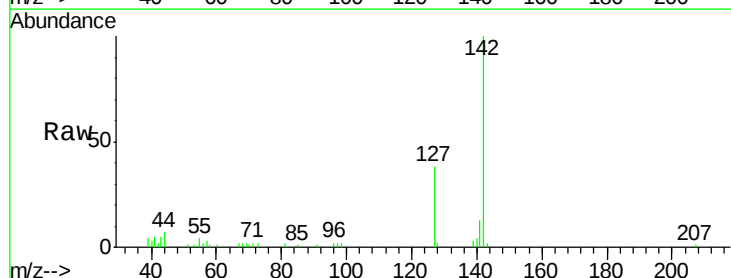
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

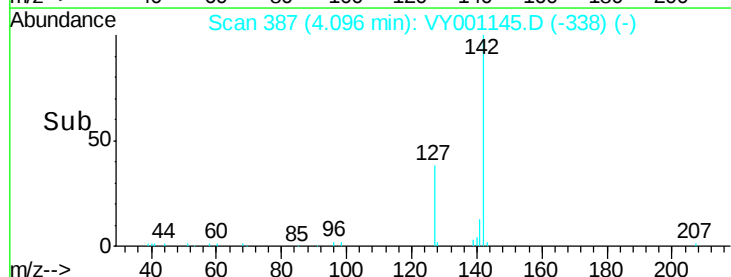
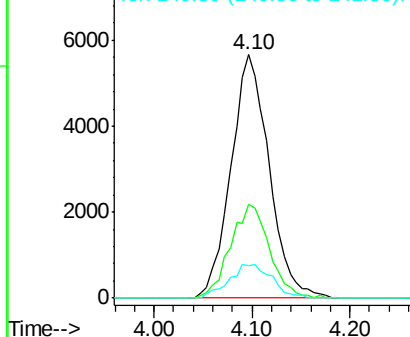
Lab File: VY001145.D

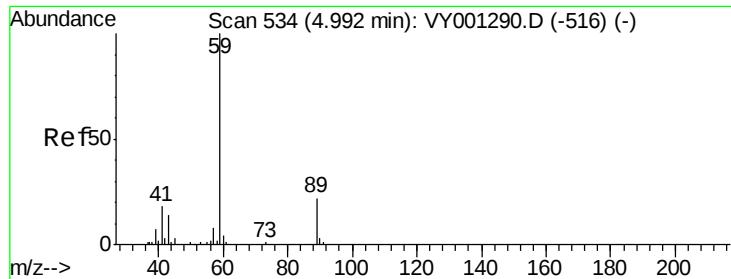
Acq: 10 Jan 2020 13:57

Tgt Ion:	142	Resp:	15284
Ion Ratio	Lower	Upper	
142	100		
127	39.5	30.8	46.2
141	15.5	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





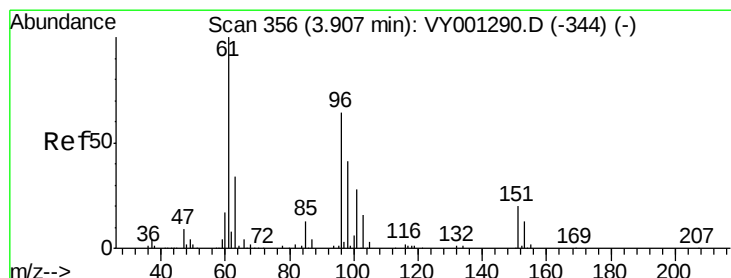
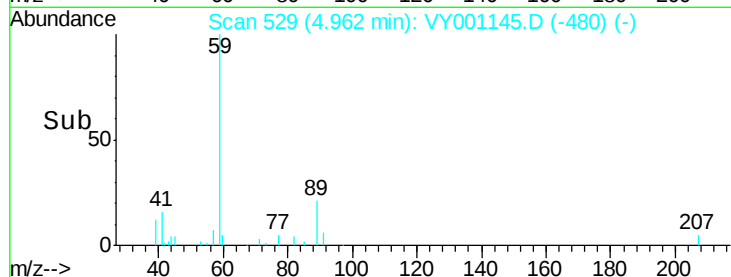
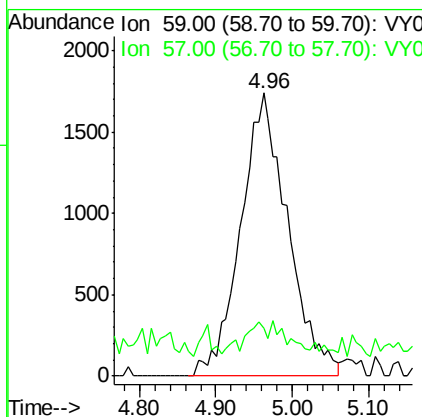
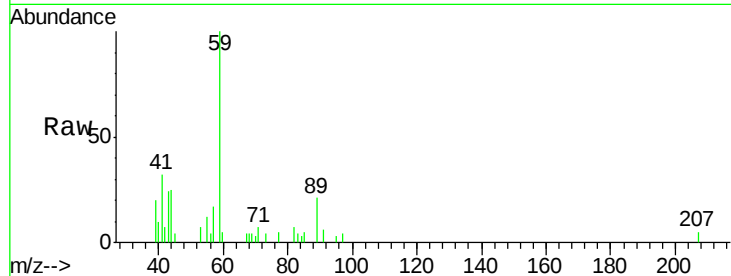
#11
Tert butyl alcohol
Concen: 38.879 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 7460
Ion Ratio Lower Upper
59 100
57 5.2 7.8 11.8#

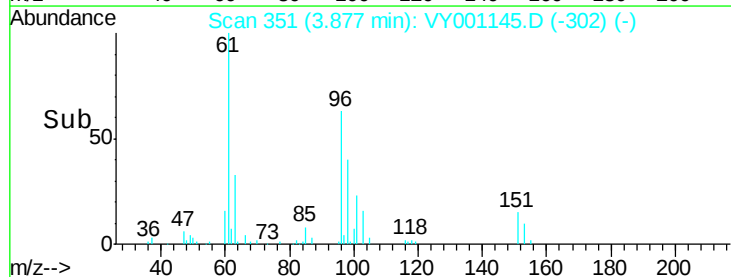
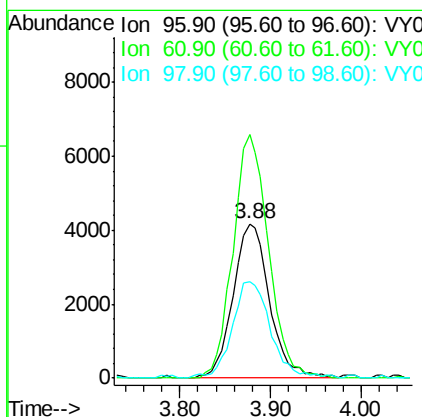
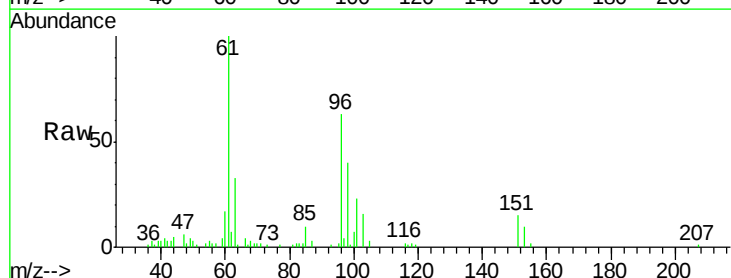
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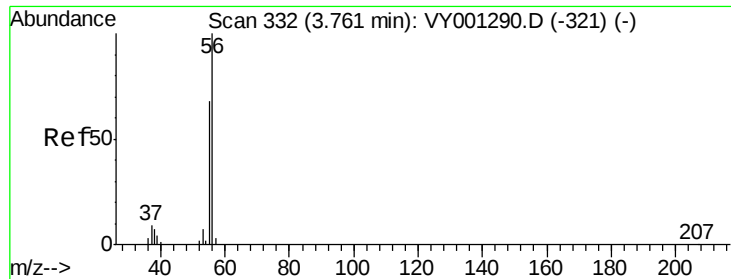
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#12
1,1-Dichloroethene
Concen: 5.548 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion: 96 Resp: 11626
Ion Ratio Lower Upper
96 100
61 157.8 122.1 183.1
98 62.9 51.0 76.6





#13

Acrolein

Concen: 31.490 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 5675

Ion Ratio Lower Upper

56 100

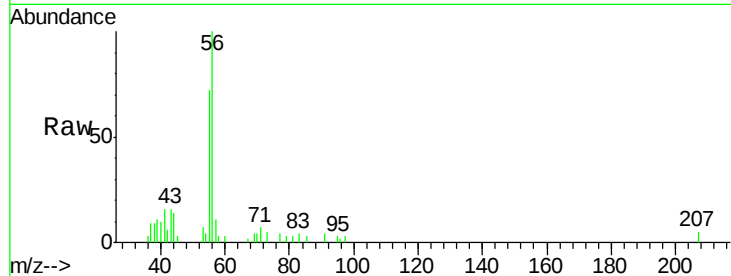
55 78.9 56.7 85.1

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

2500

2000

1500

1000

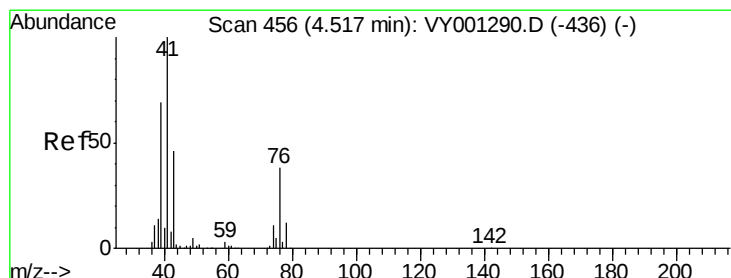
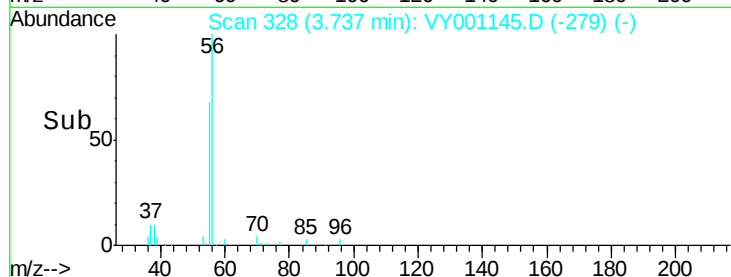
500

0

3.70

3.80

Time-->



#14

Allyl chloride

Concen: 7.835 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

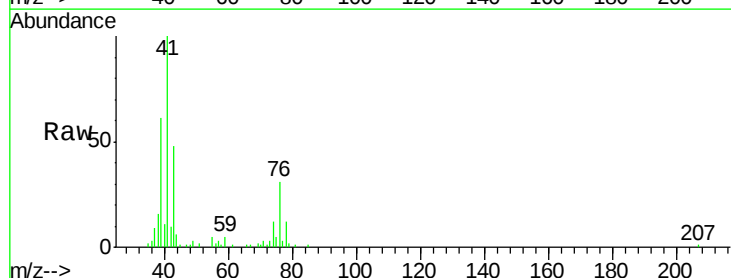
Tgt Ion: 41 Resp: 19278

Ion Ratio Lower Upper

41 100

39 64.2 52.6 78.8

76 38.3 30.2 45.2



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0

8000

6000

4000

2000

0

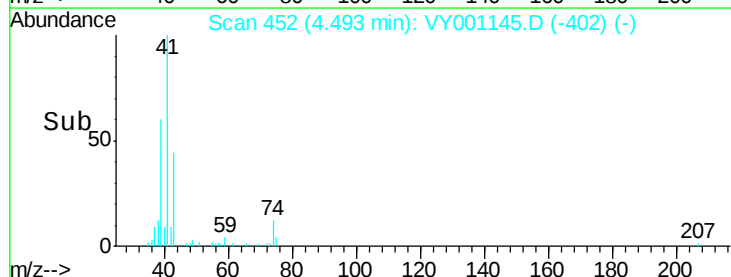
4.30

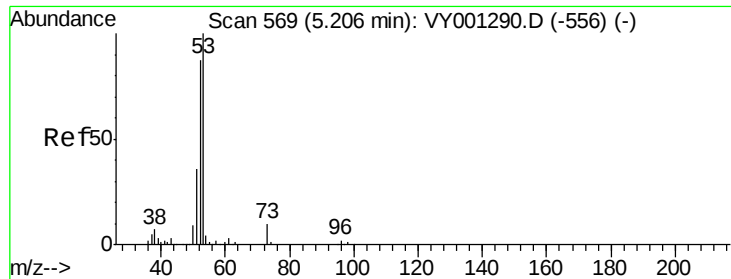
4.40

4.50

4.60

Time-->





#15

Acrylonitrile

Concen: 33.186 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

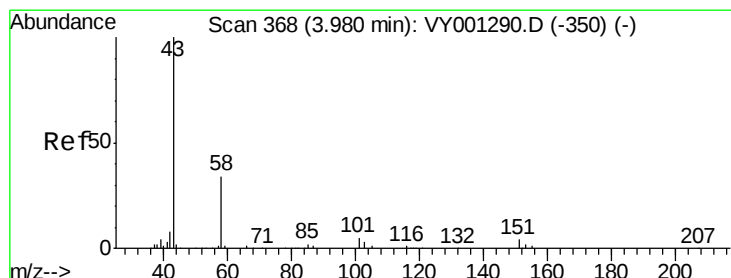
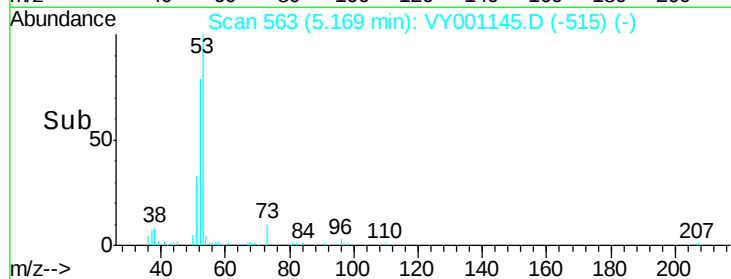
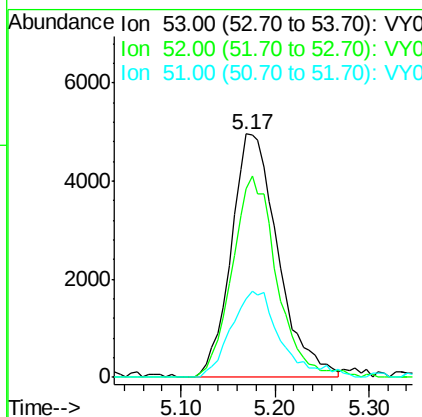
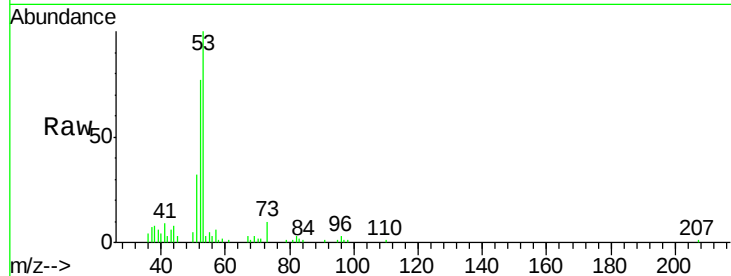
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	17230
Ion	Ratio	Lower	Upper
53	100		
52	77.8	65.7	98.5
51	36.0	28.7	43.1

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#16

Acetone

Concen: 40.069 ug/l

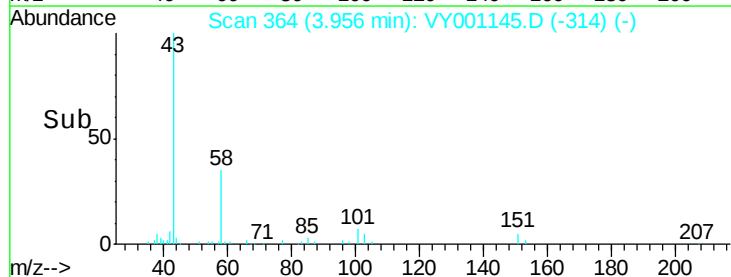
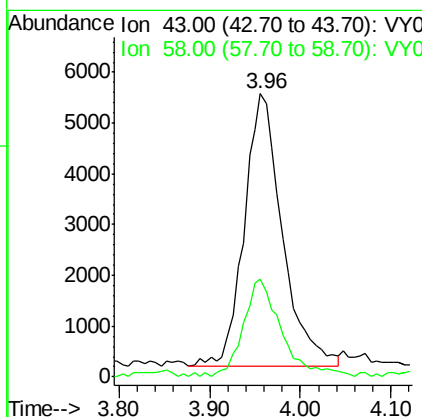
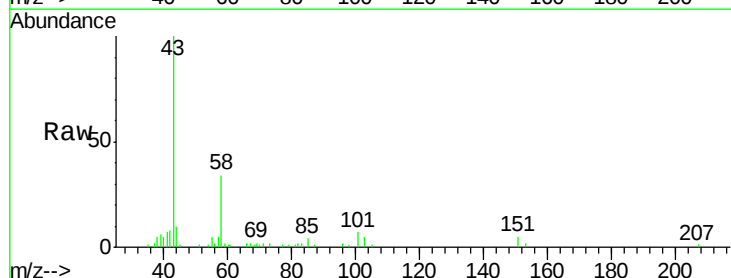
RT: 3.96 min Scan# 364

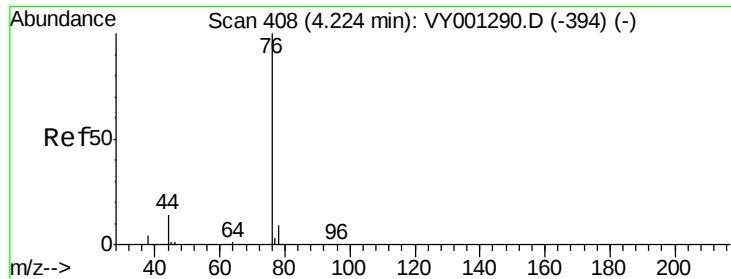
Delta R.T. 0.01 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Tgt Ion:	43	Resp:	15637
Ion	Ratio	Lower	Upper
43	100		
58	35.8	25.8	38.6





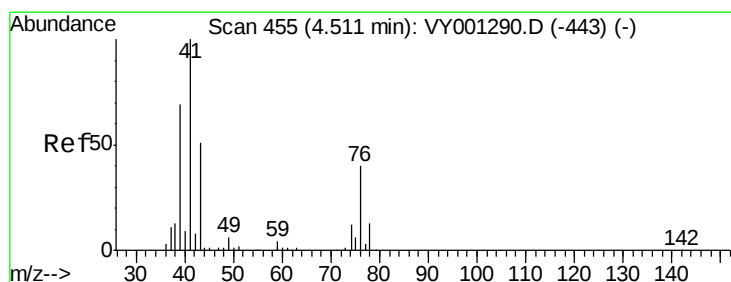
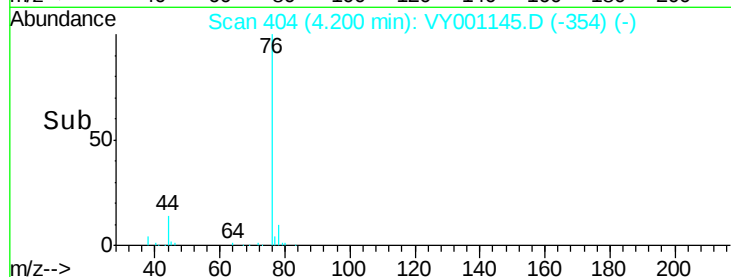
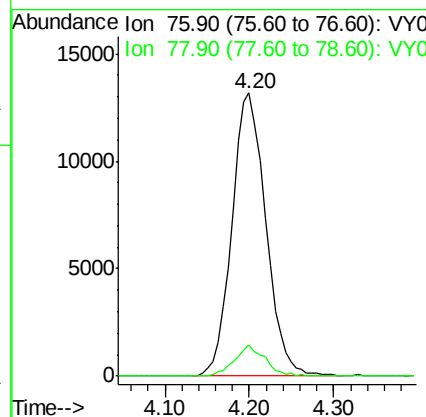
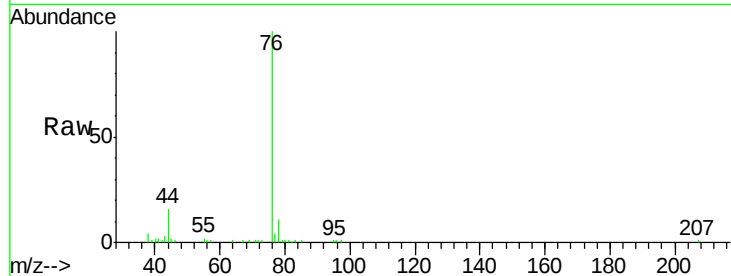
#17
Carbon Disulfide
Concen: 5.693 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.9	7.2	10.8#

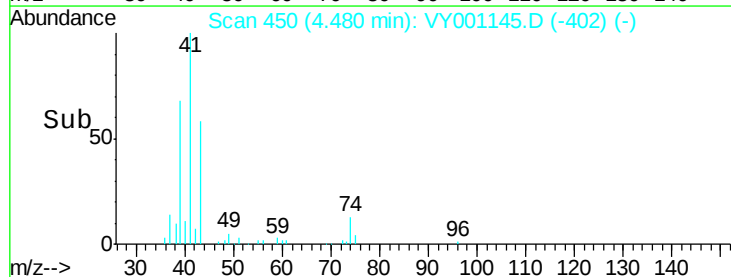
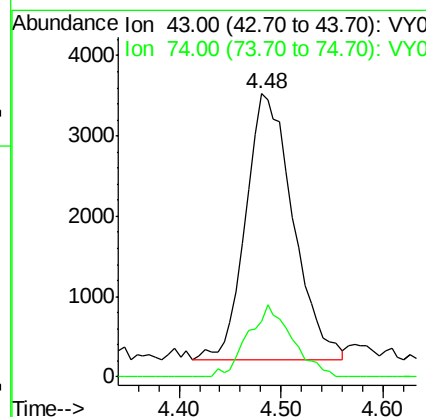
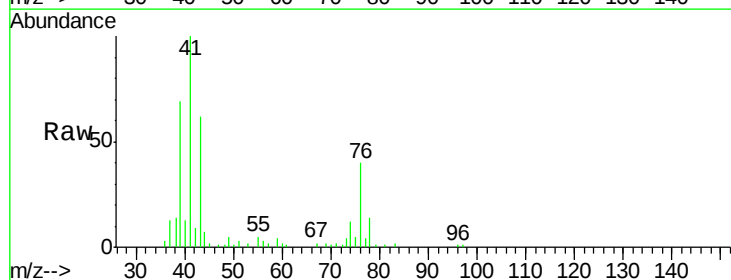
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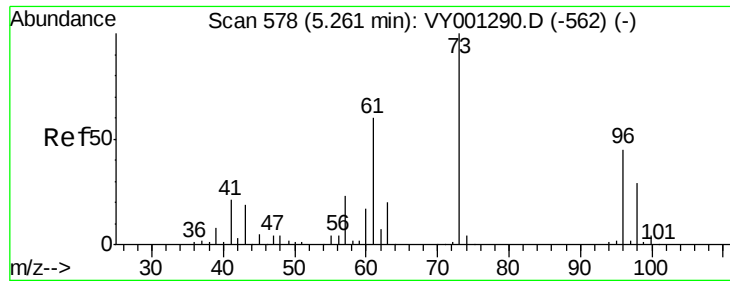
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#18
Methyl Acetate
Concen: 8.796 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.2	30.2





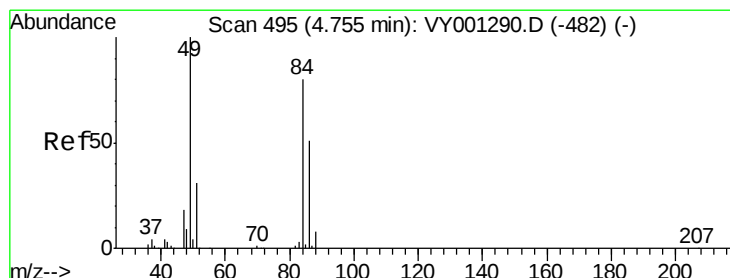
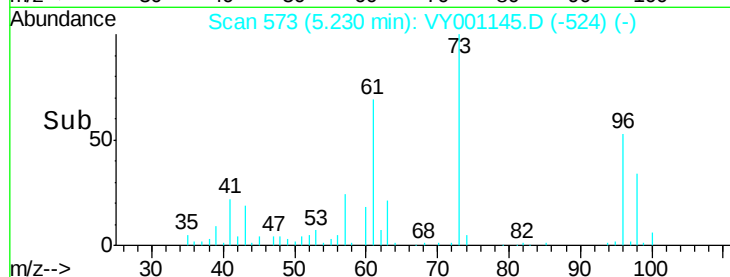
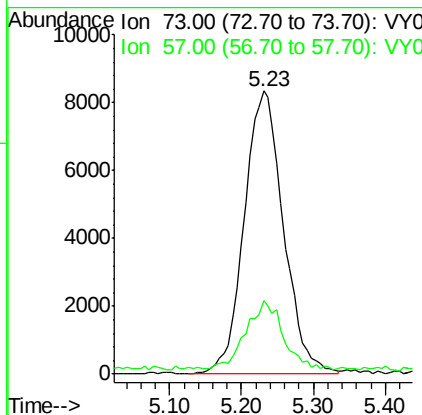
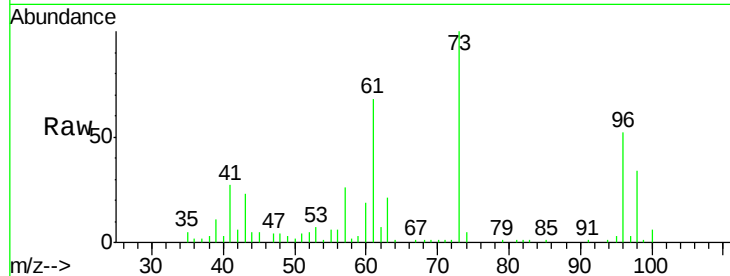
#19
Methyl tert-butyl Ether
Concen: 6.074 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 31646
Ion Ratio Lower Upper
73 100
57 23.9 17.8 26.6

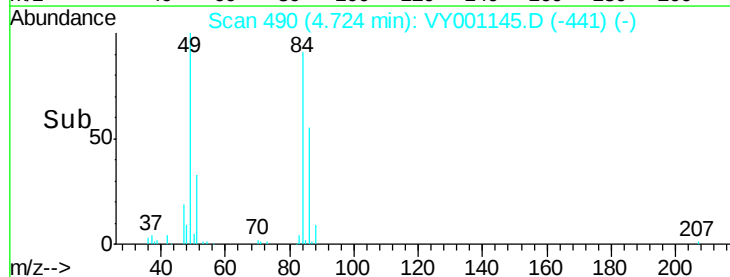
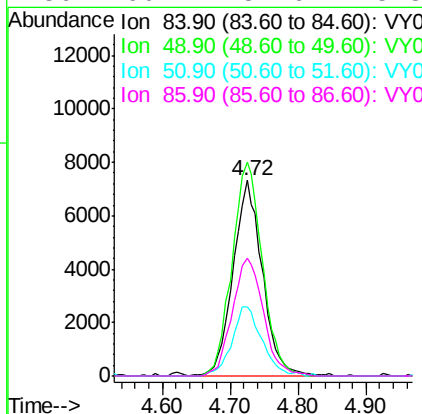
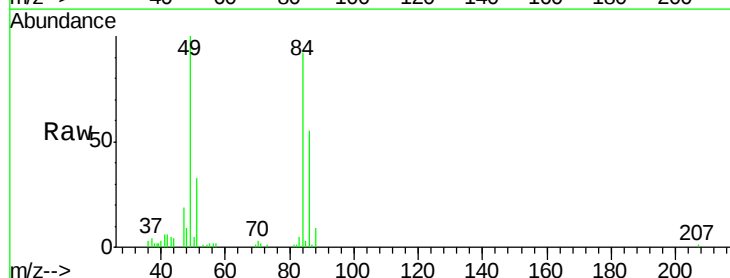
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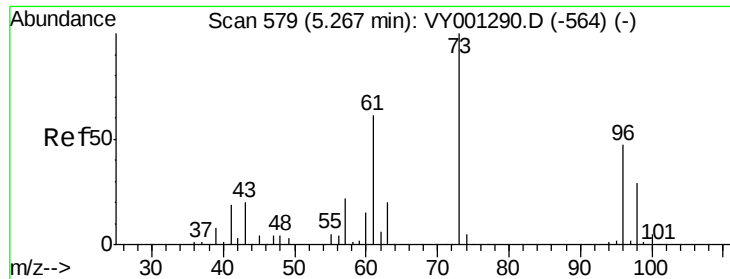
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#20
Methylene Chloride
Concen: 8.903 ug/l
RT: 4.72 min Scan# 490
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion: 84 Resp: 21910
Ion Ratio Lower Upper
84 100
49 109.2 93.8 140.6
51 35.5 29.9 44.9
86 60.4 52.6 78.8





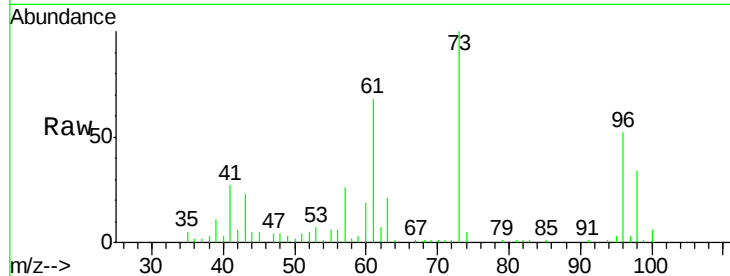
#21
trans-1,2-Dichloroethene
Concen: 5.639 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.6	107.6	161.4
98	64.7	47.6	71.4

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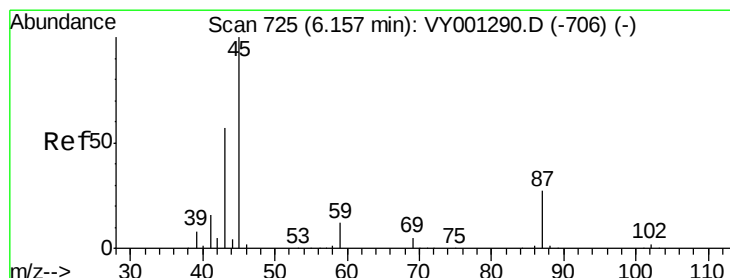
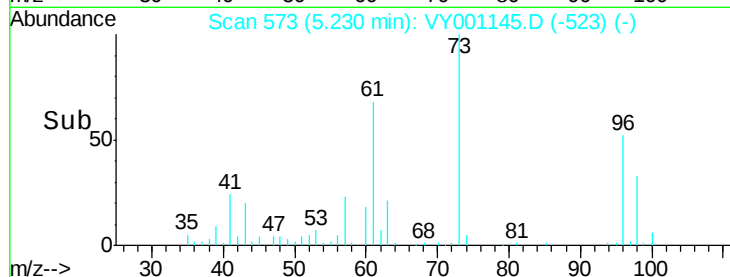
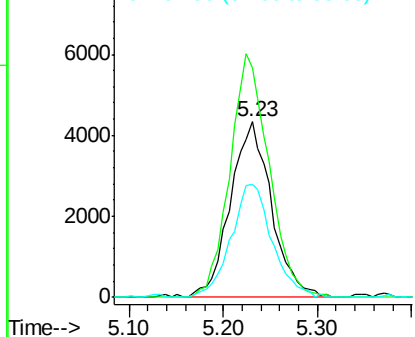


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22
Diisopropyl ether
Concen: 7.883 ug/l
RT: 6.13 min Scan# 721
Delta R.T. 0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	48.6	46.5	69.7
87	27.3	22.5	33.7
59	10.9	9.4	14.0

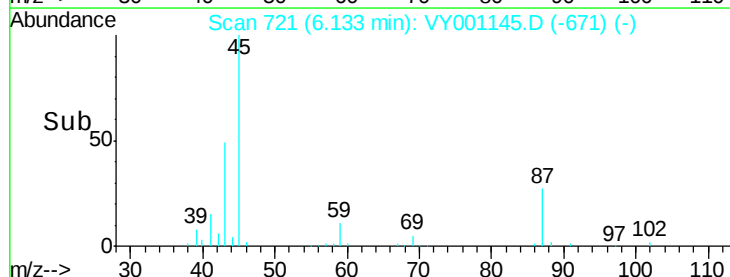
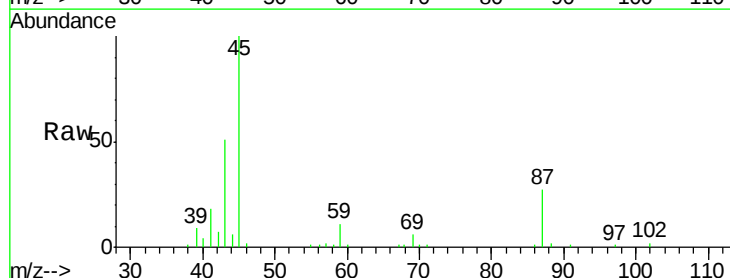
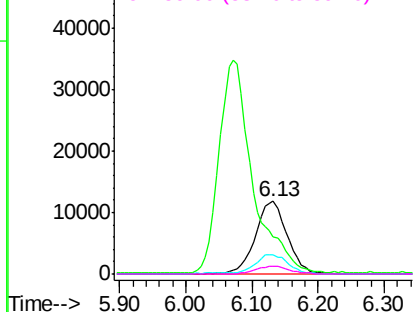
Abundance

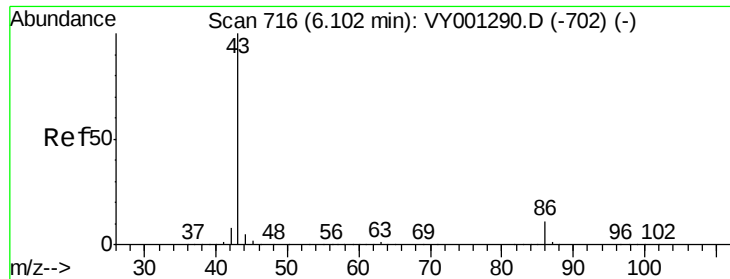
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 38.199 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 122120

Ion Ratio Lower Upper

43 100

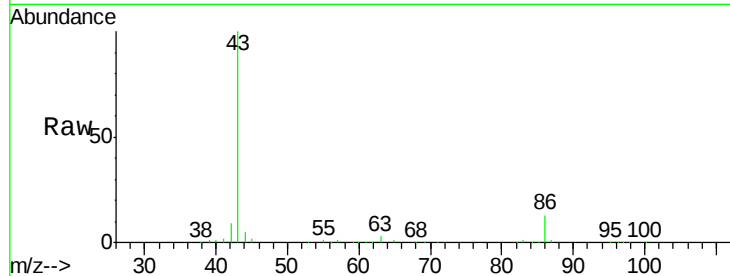
86 13.0 9.0 13.4

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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

40000

30000

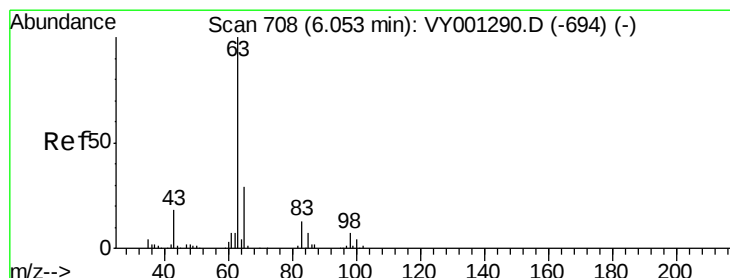
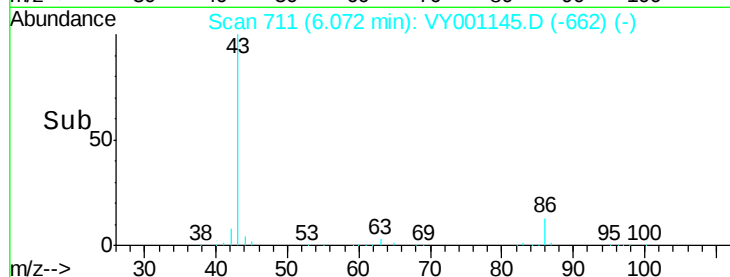
20000

10000

0

Time-->

5.90 6.00 6.10 6.20 6.30



#24

1,1-Dichloroethane

Concen: 6.631 ug/l

RT: 6.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

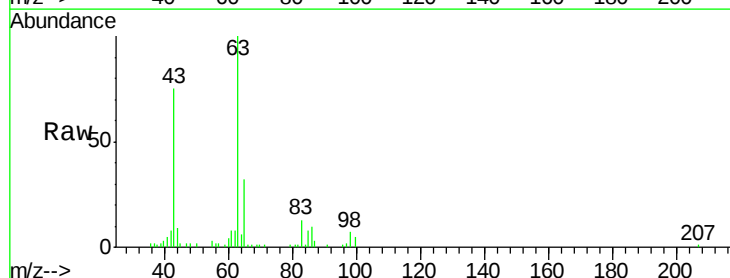
Tgt Ion: 63 Resp: 21921

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

100 4.7 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

8000

6000

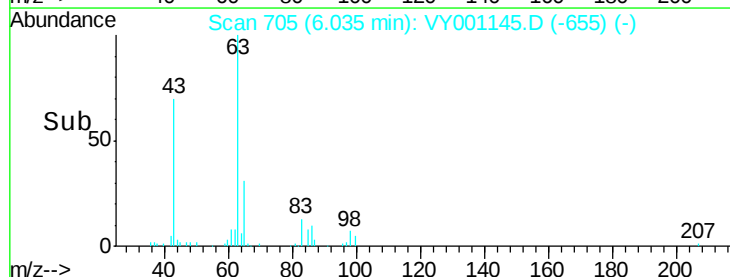
4000

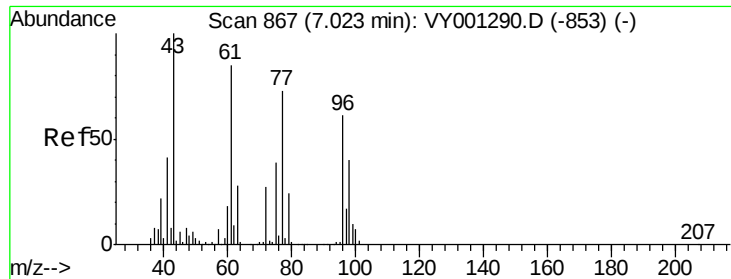
2000

0

Time-->

5.90 6.00 6.10





#25

2-Butanone

Concen: 35.941 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 22917

Ion Ratio Lower Upper

43 100

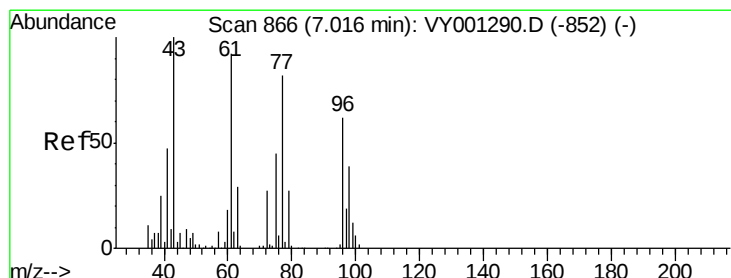
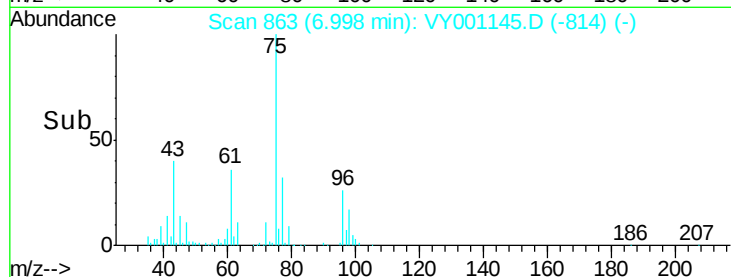
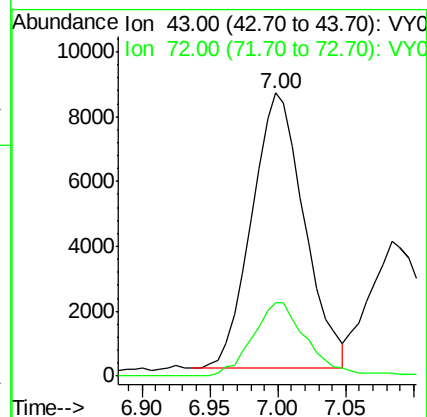
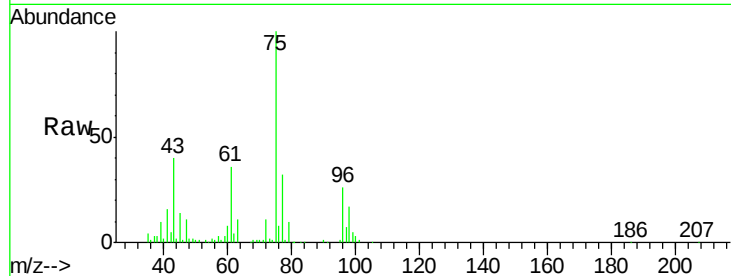
72 26.8 22.2 33.2

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#26

2,2-Dichloropropane

Concen: 6.361 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001145.D

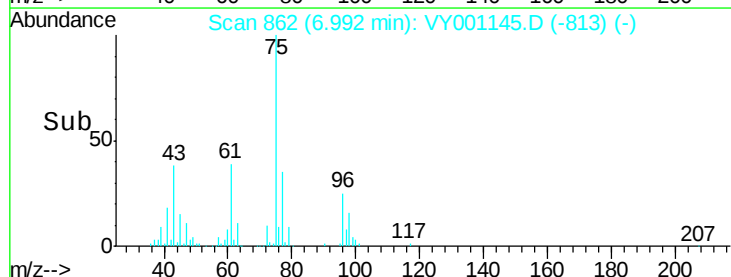
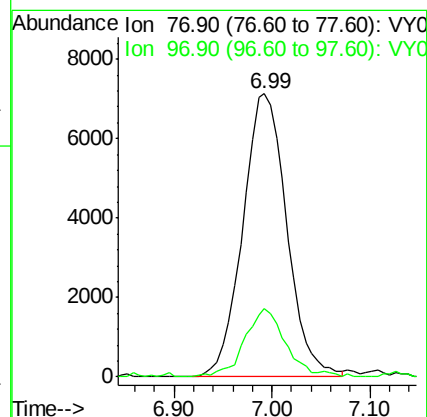
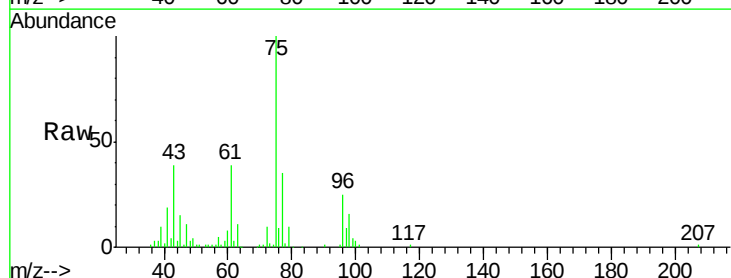
Acq: 10 Jan 2020 13:57

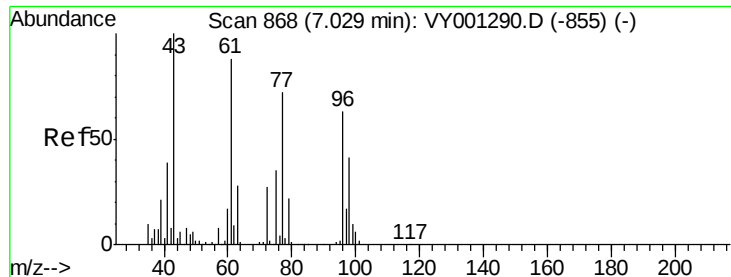
Tgt Ion: 77 Resp: 22370

Ion Ratio Lower Upper

77 100

97 22.1 11.9 35.7





#27

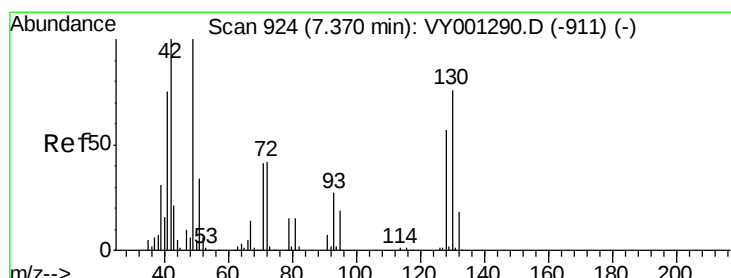
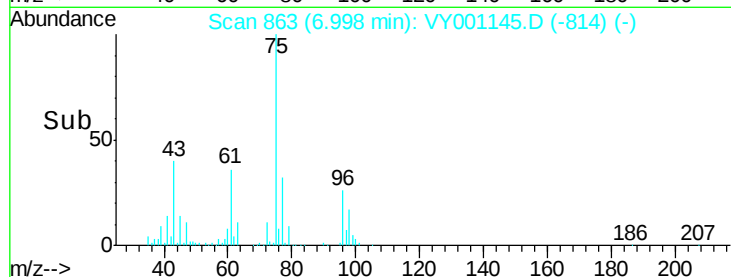
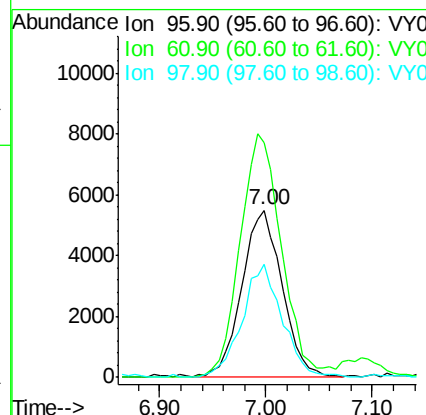
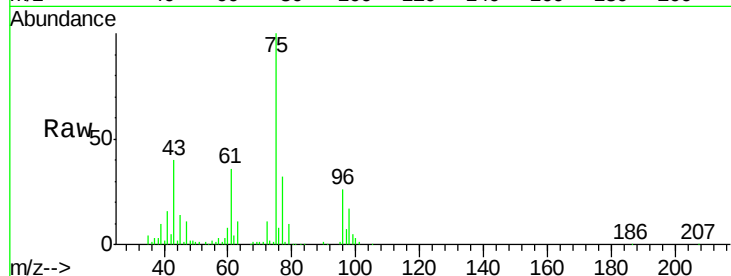
cis-1,2-Dichloroethene
Concen: 5.317 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.5	0.0	284.0
98	67.0	0.0	130.2

Manual Integrations
APPROVED

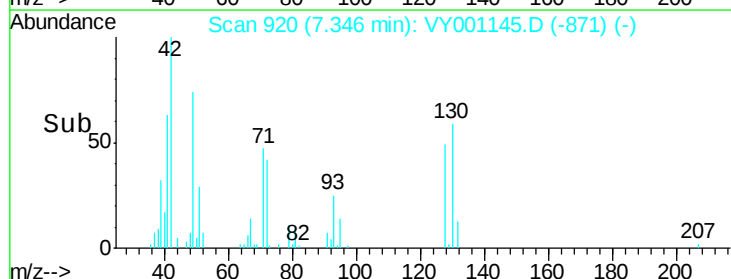
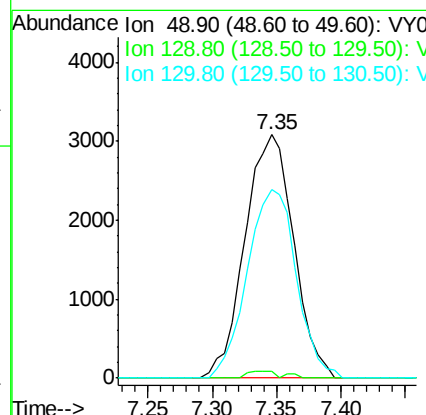
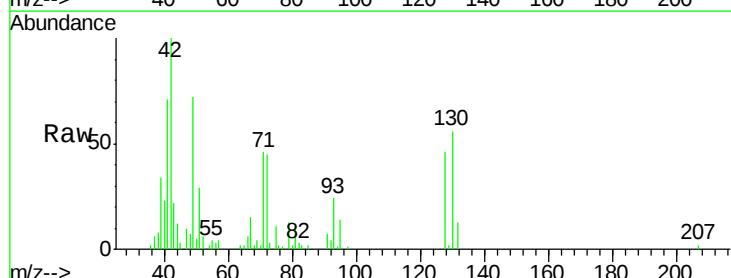
MMDadoda
1/13/2020 12:38:42 PM

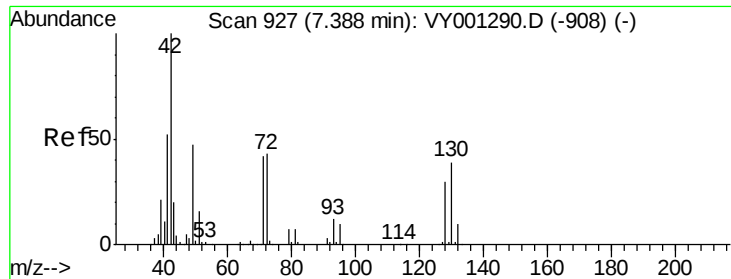


#28

Bromochloromethane
Concen: 6.189 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	4.4
130	78.3	61.2	91.8





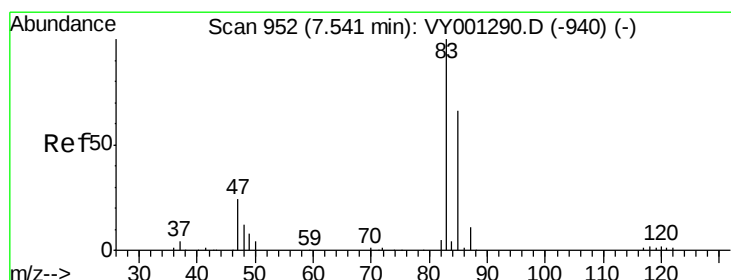
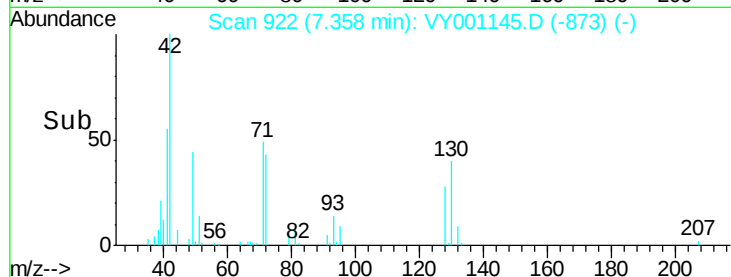
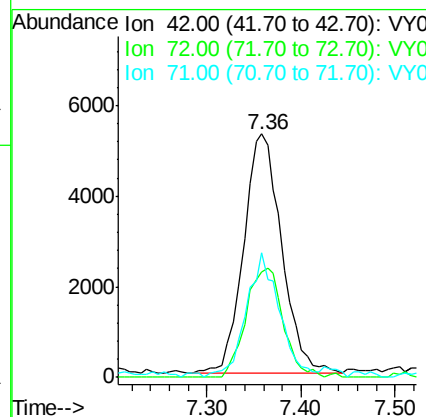
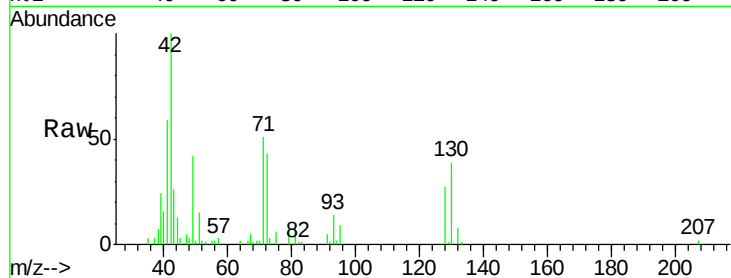
#29
Tetrahydrofuran
Concen: 34.515 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	36.9	55.3
71	45.7	34.0	51.0

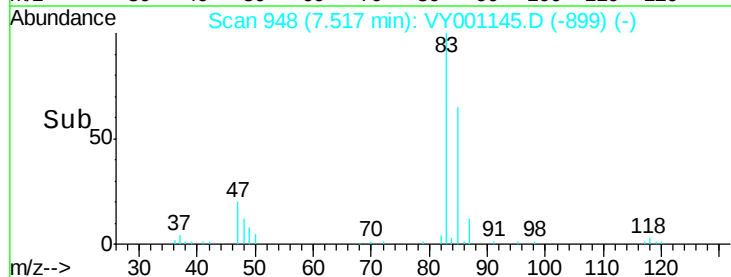
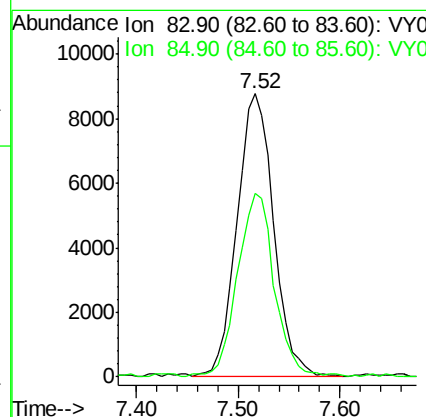
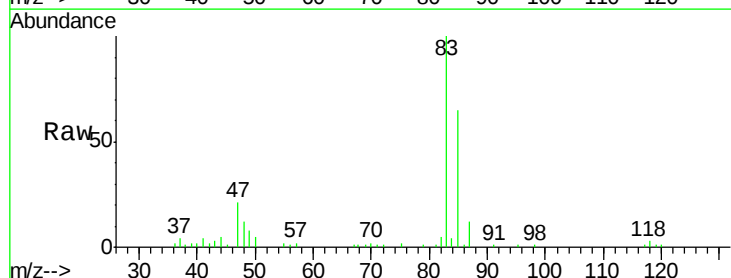
Manual Integrations
APPROVED

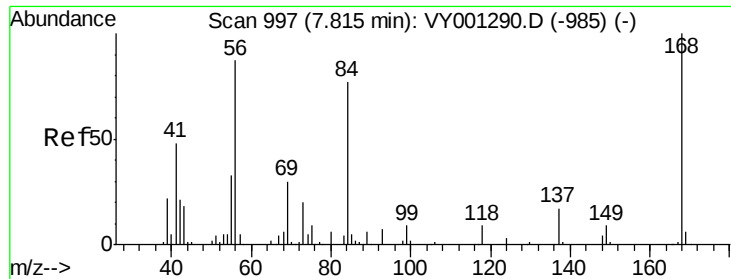
MMDadoda
1/13/2020 12:38:42 PM



#30
Chloroform
Concen: 5.512 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.9	77.9





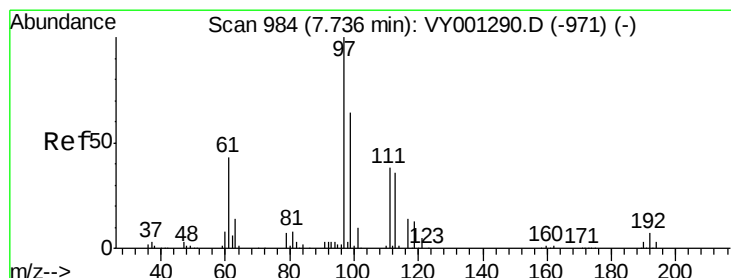
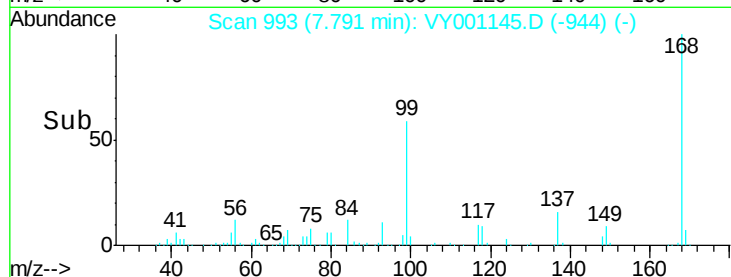
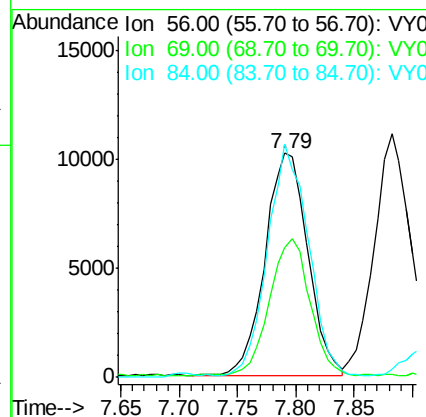
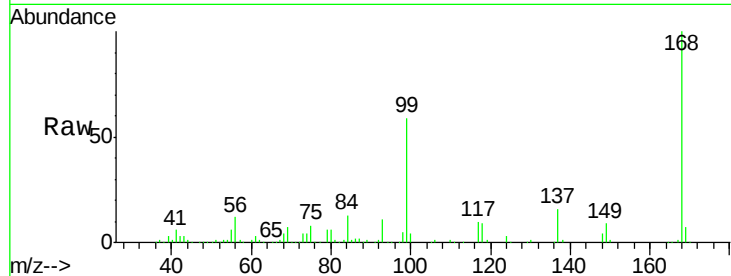
#31
Cyclohexane
Concen: 6.742 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	57.6	27.8	41.8#
84	103.5	68.9	103.3#

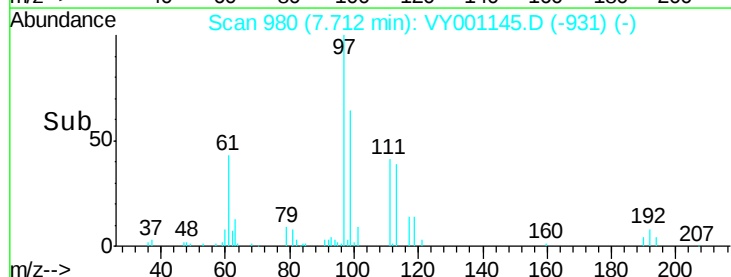
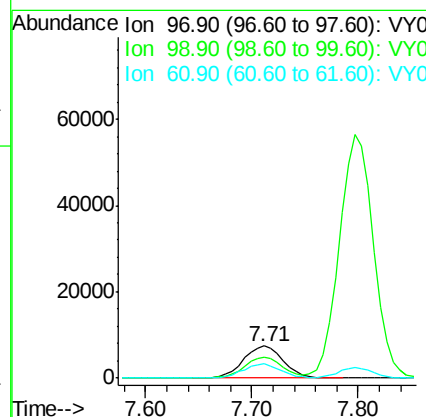
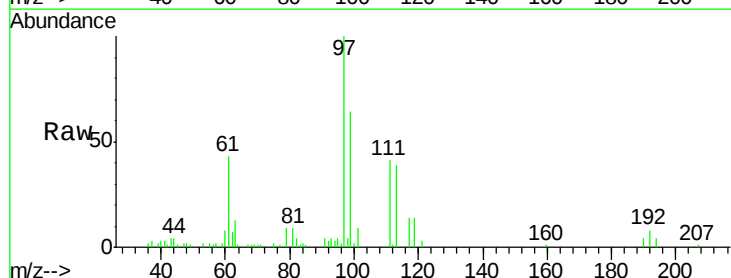
Manual Integrations
APPROVED

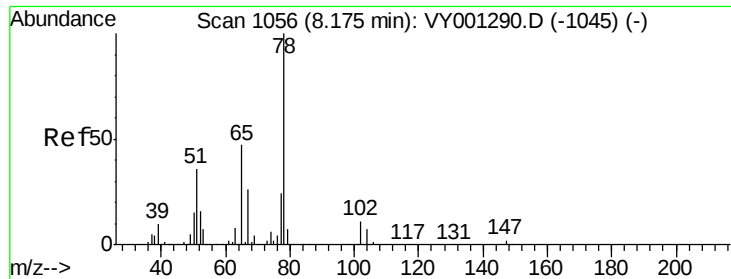
MMDadoda
1/13/2020 12:38:42 PM



#32
1,1,1-Trichloroethane
Concen: 5.325 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.9	51.3	76.9
61	42.4	34.6	52.0





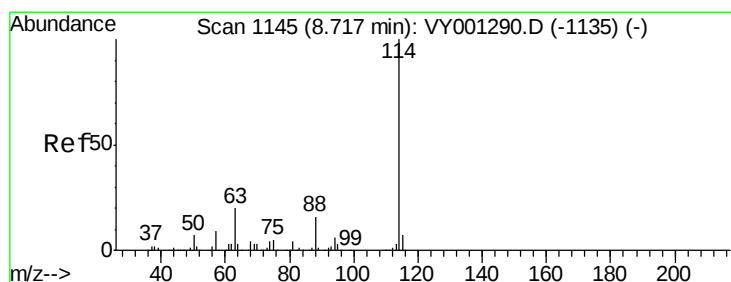
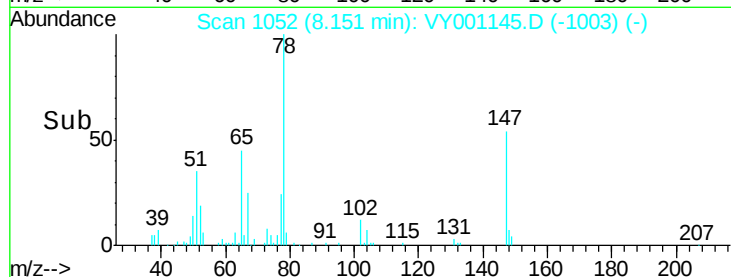
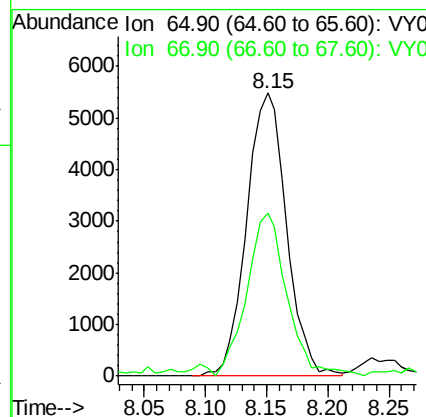
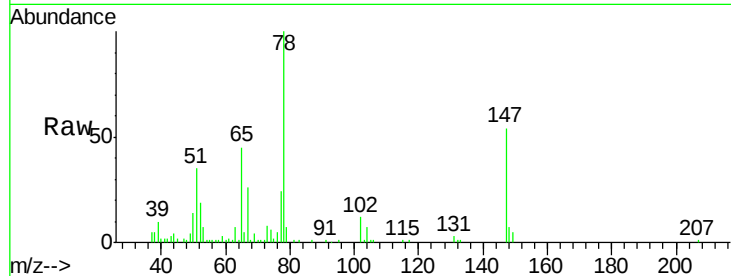
#33
 1,2-Dichloroethane-d4
 Concen: 6.288 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	58.1	0.0	105.2

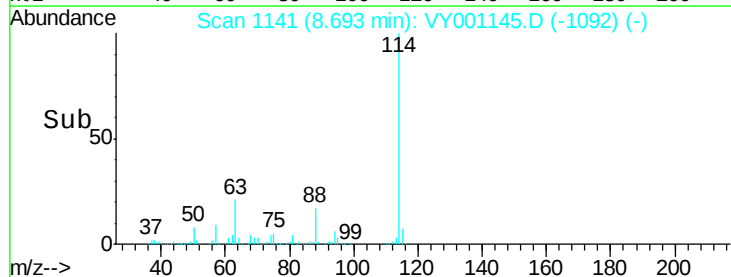
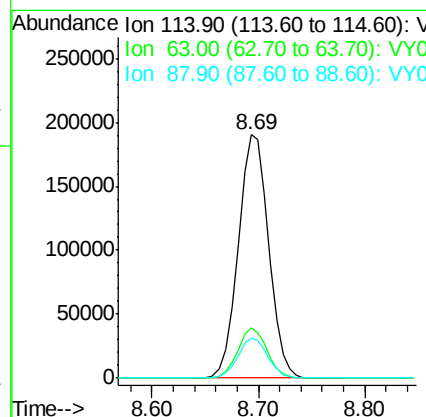
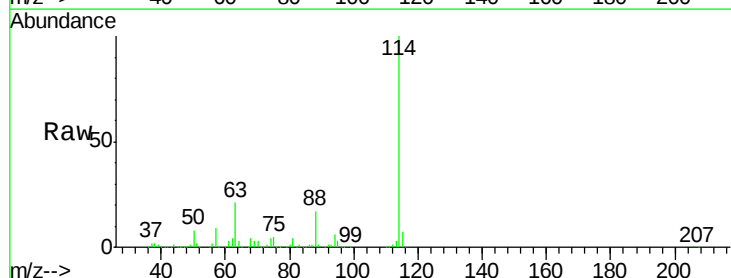
Manual Integrations
 APPROVED

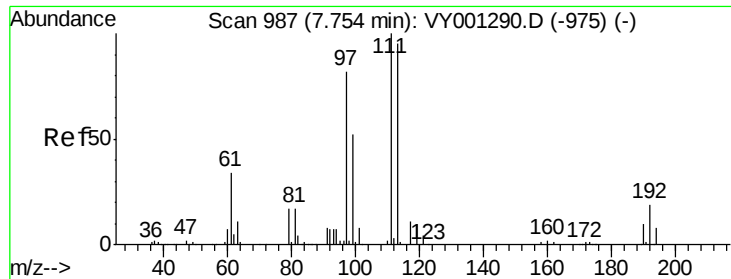
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 1/13/2020 12:38:42 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	40.8
88	16.5	0.0	32.4





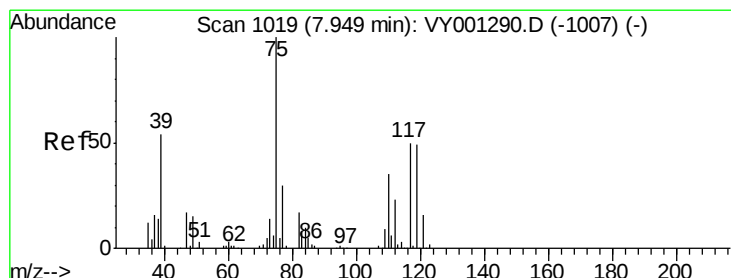
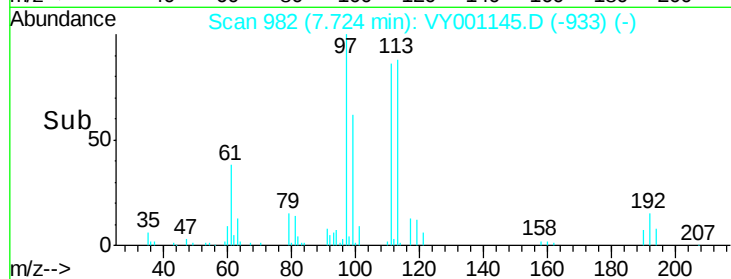
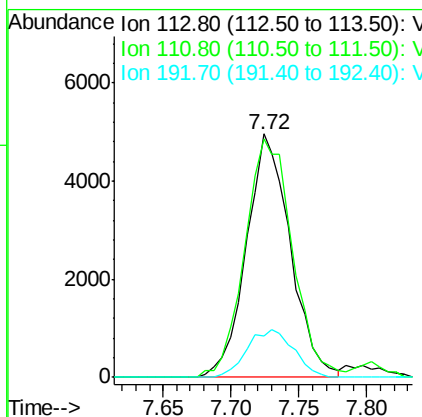
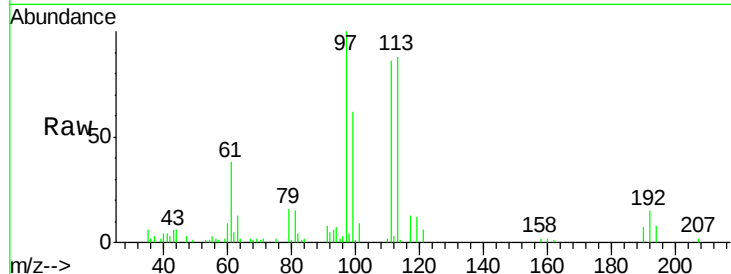
#35
Dibromofluoromethane
Concen: 5.175 ug/l
RT: 7.72 min Scan# 982
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100	11216		
111	105.9	82.9	124.3	
192	20.9	15.4	23.2	

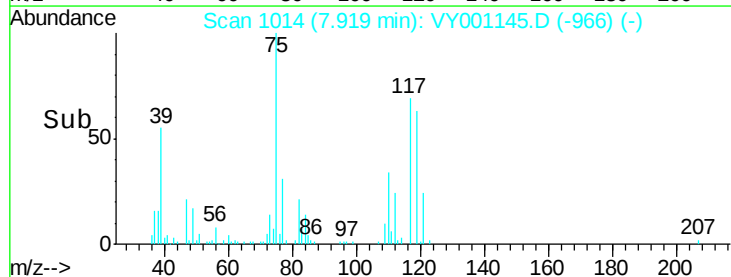
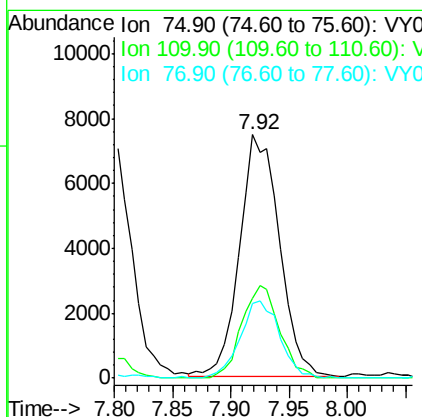
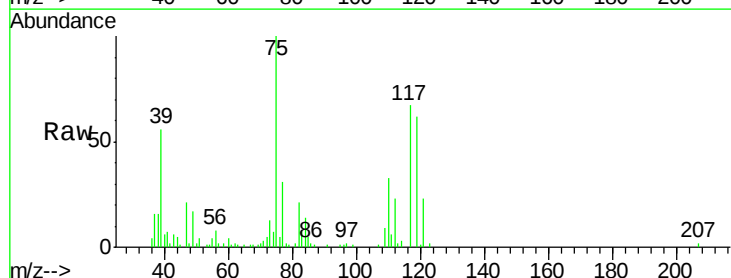
Manual Integrations
APPROVED

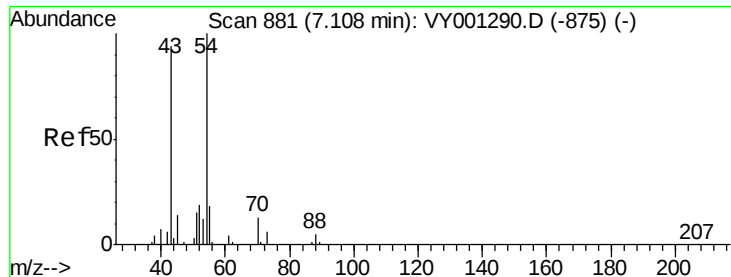
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#36
1,1-Dichloropropene
Concen: 5.335 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17721		
110	36.3	18.3	54.8	
77	31.8	25.1	37.7	





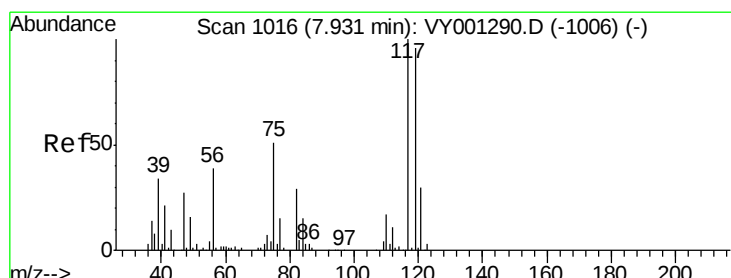
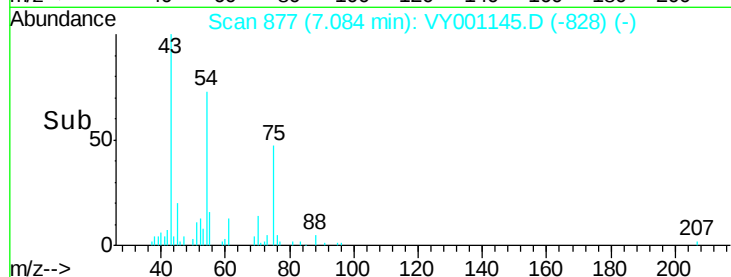
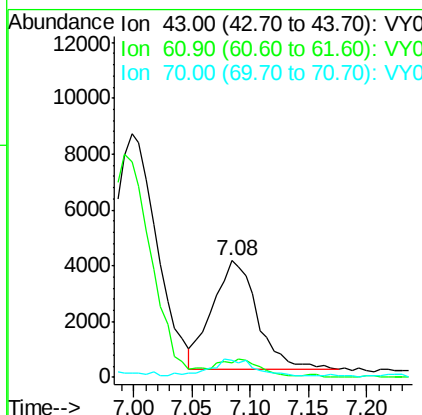
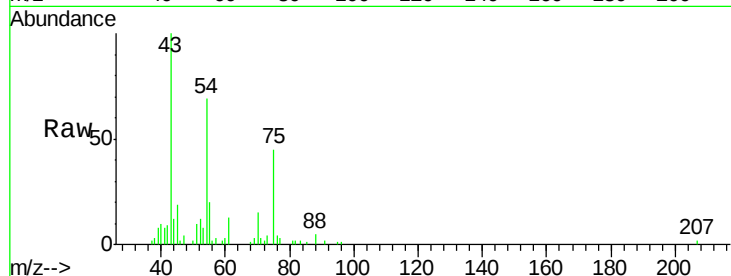
#37
Ethyl Acetate
Concen: 7.118 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.1	16.7
70	14.4	9.7	14.5

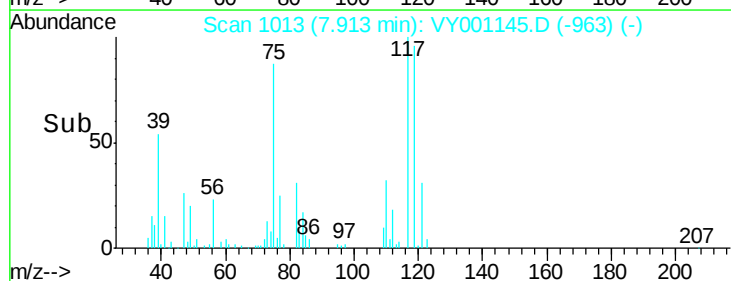
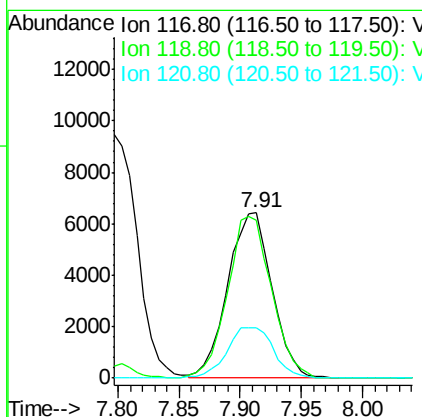
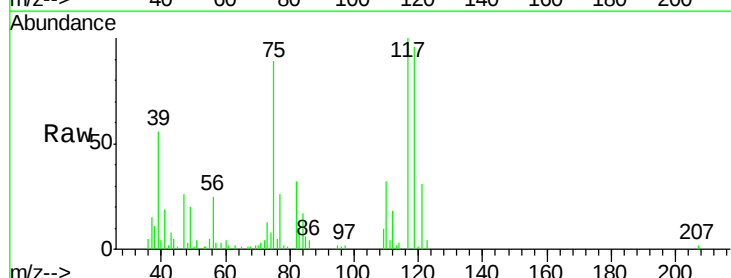
Manual Integrations
APPROVED

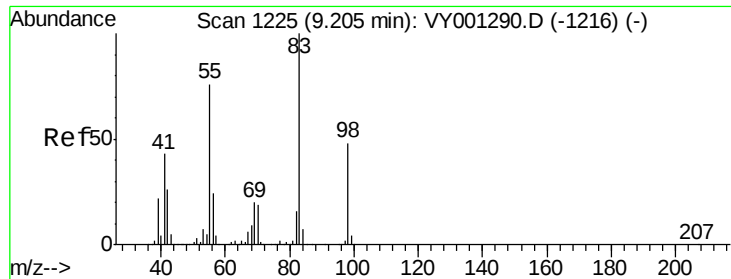
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#38
Carbon Tetrachloride
Concen: 4.784 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.3	117.5
121	30.7	23.5	35.3





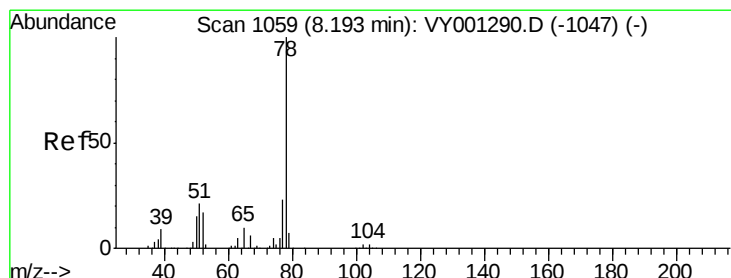
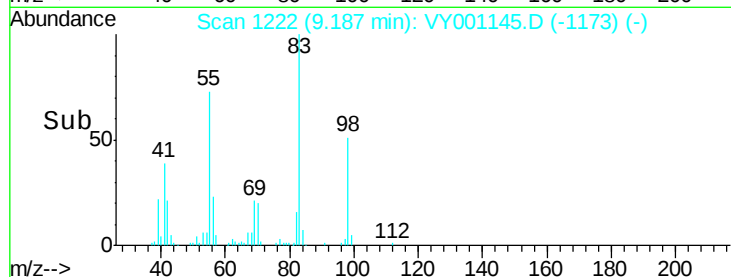
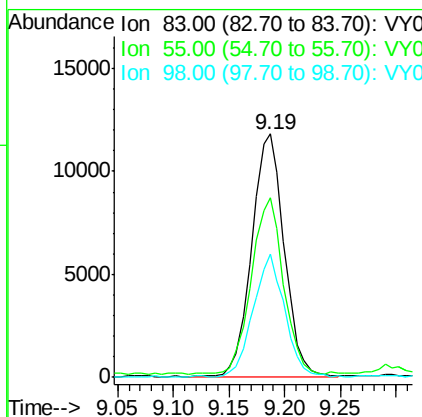
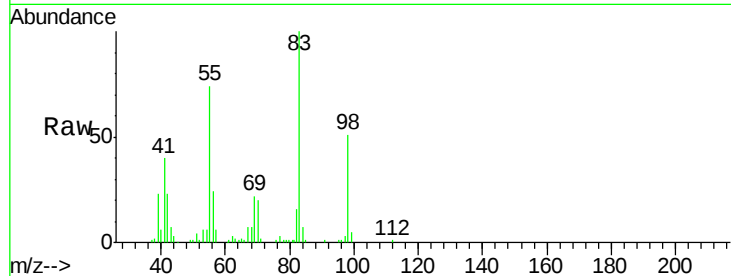
#39
Methylvlcvclohexane
Concen: 5.255 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.8	58.9	88.3
98	50.8	38.4	57.6

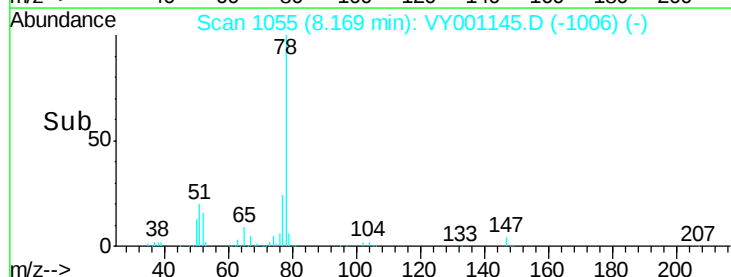
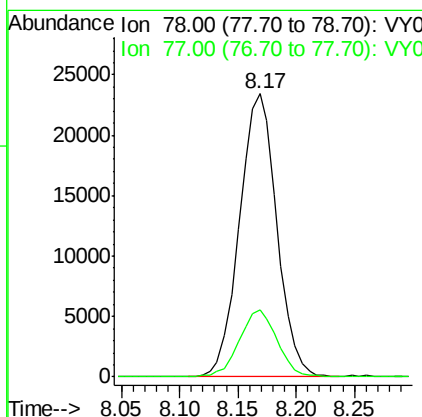
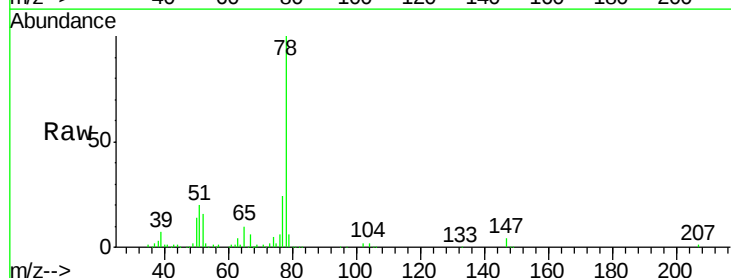
Manual Integrations
APPROVED

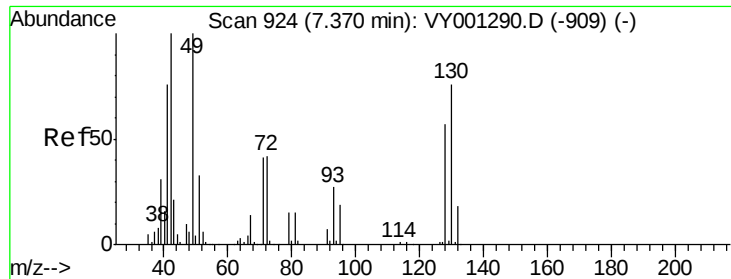
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#40
Benzene
Concen: 5.149 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.8	28.2





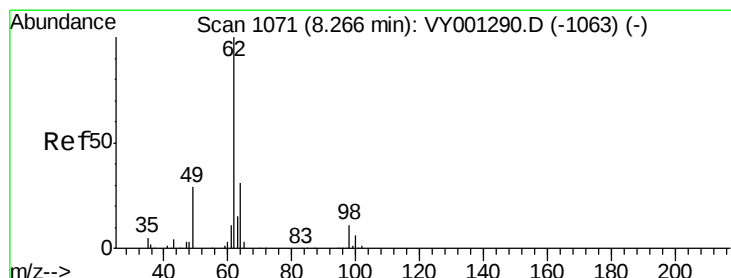
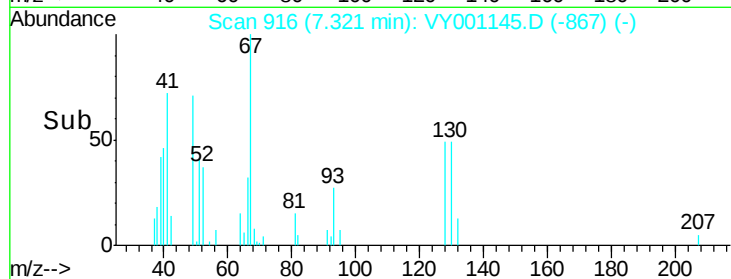
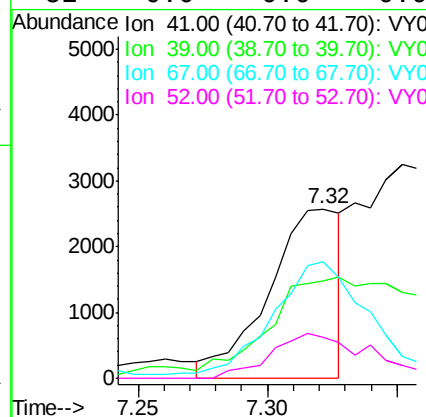
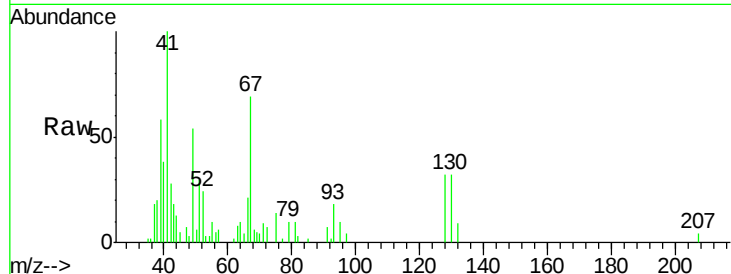
#41
Methacrylonitrile
Concen: 6.903 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot 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

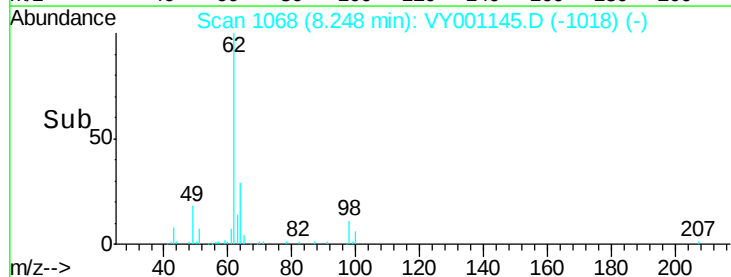
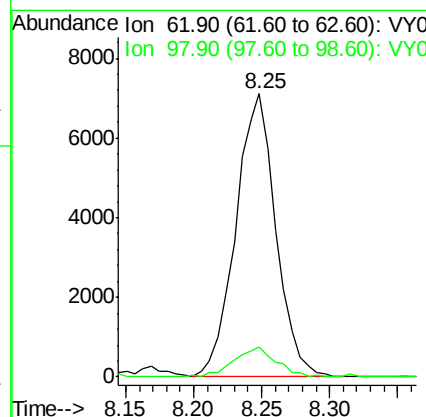
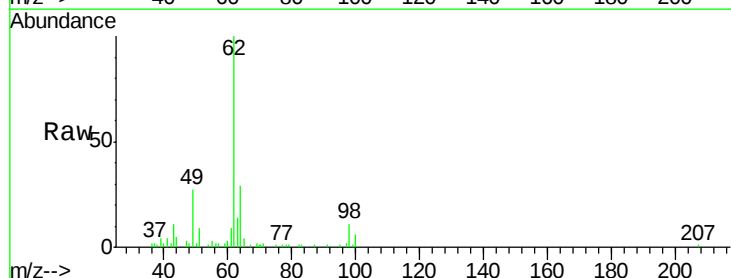
Manual Integrations
APPROVED

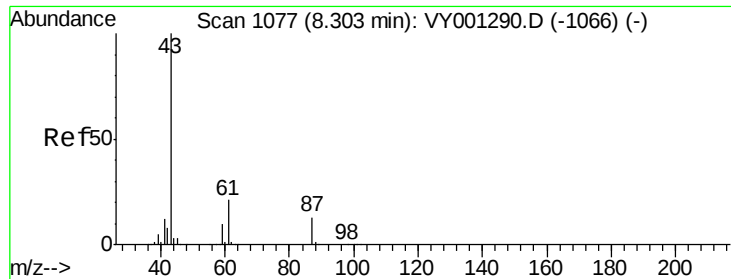
MMDadoda
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#42
1,2-Dichloroethane
Concen: 5.852 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	20.4





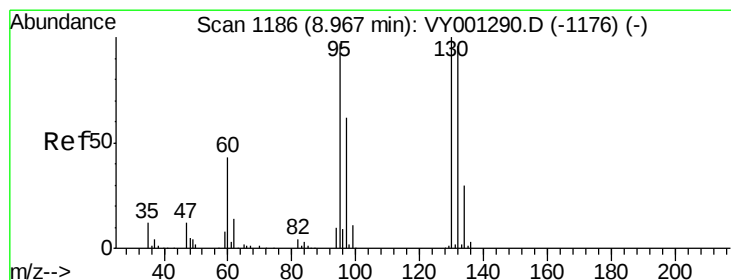
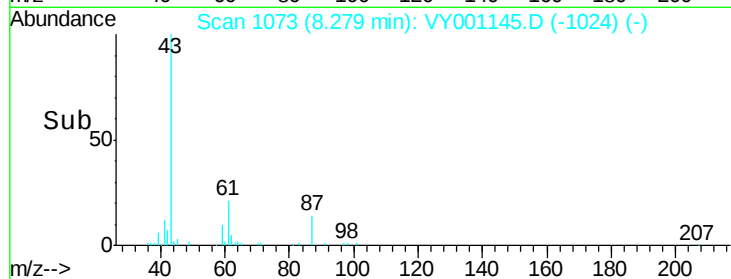
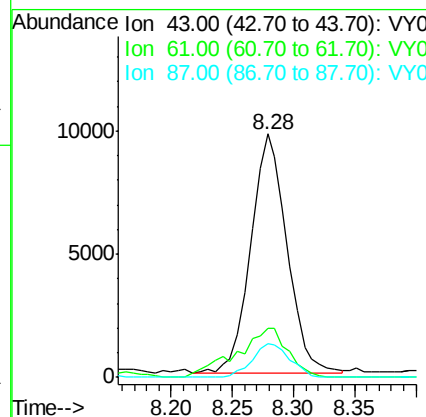
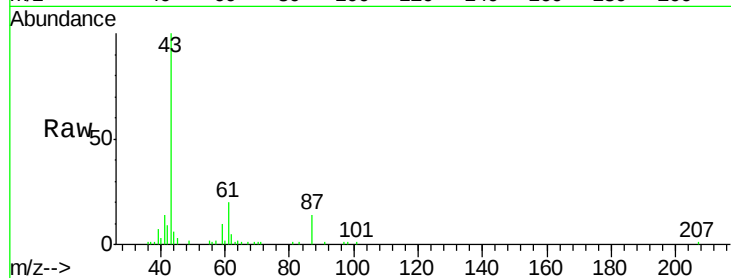
#43
Isopropyl Acetate
Concen: 6.935 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.9	35.9
87	14.3	11.4	17.2

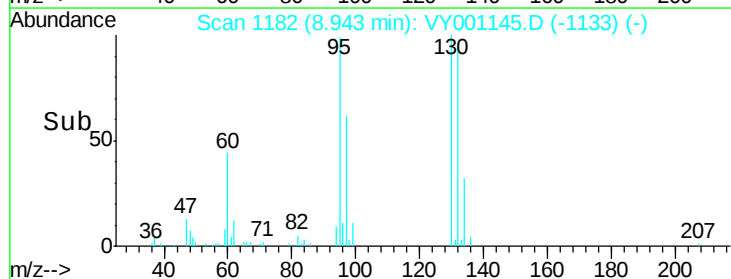
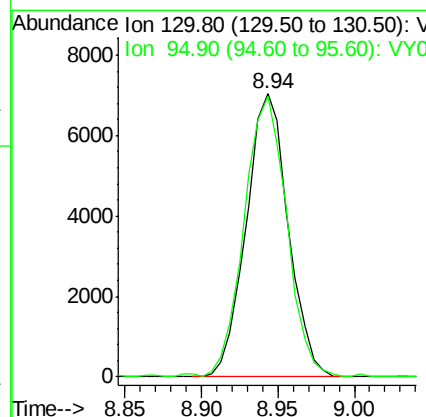
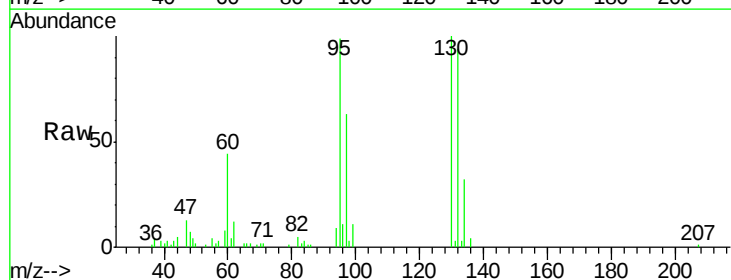
Manual Integrations
APPROVED

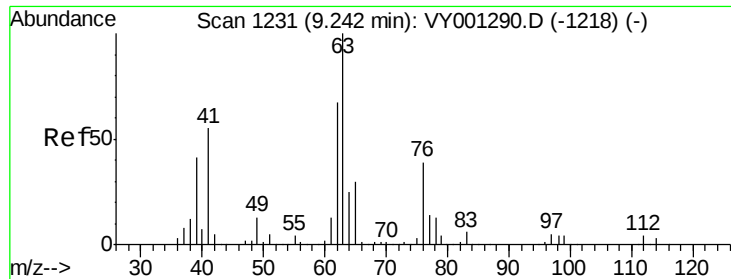
MMDadoda
1/13/2020 12:38:42 PM



#44
Trichloroethene
Concen: 4.502 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.1	0.0	197.6





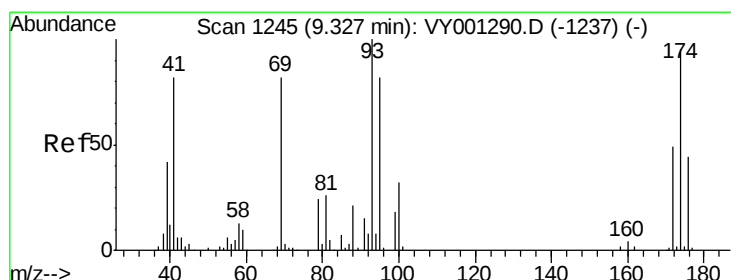
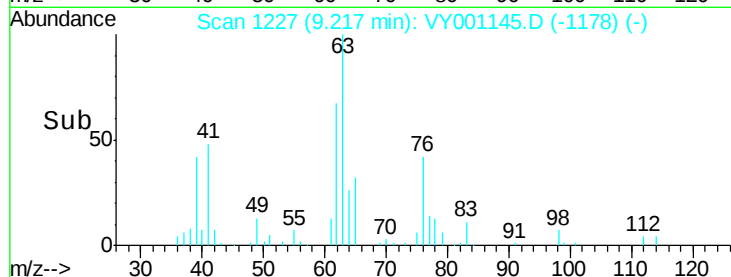
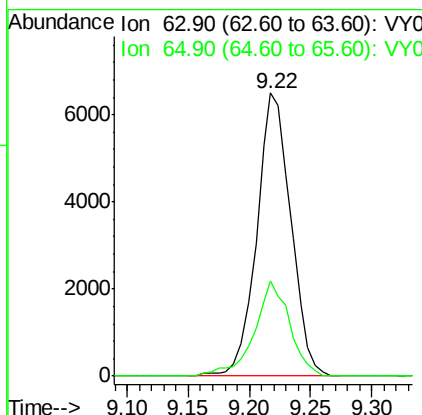
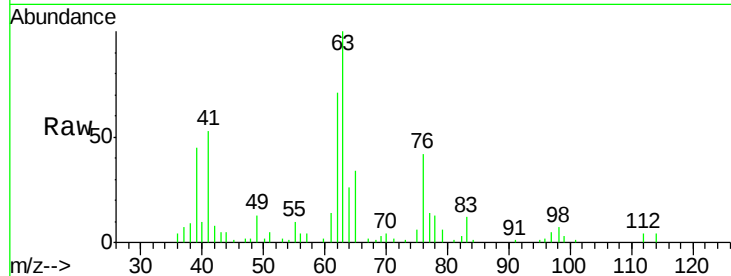
#45
 1,2-Dichloropropane
 Concen: 5.499 ug/l
 RT: 9.22 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 12639
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.8 38.8

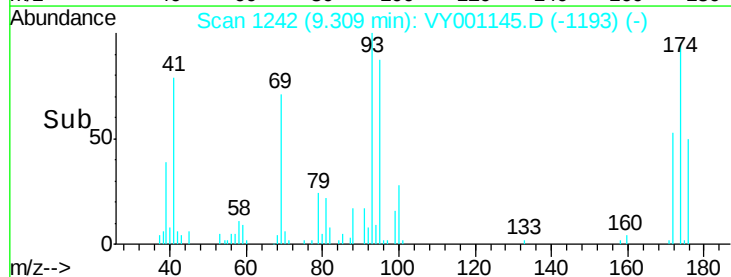
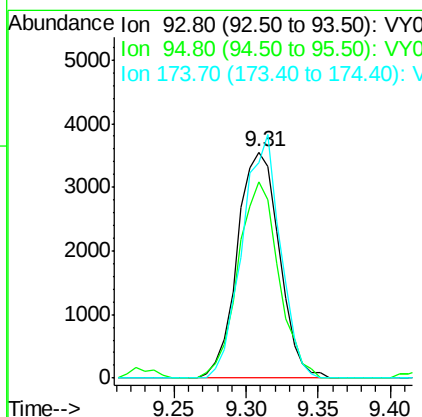
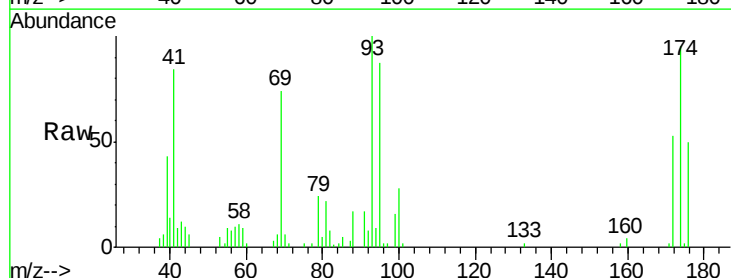
Manual Integrations
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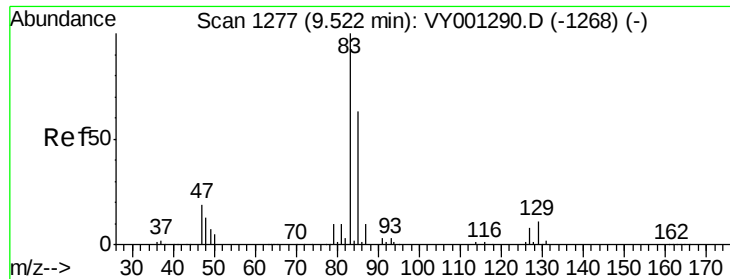
MMDadoda
 1/13/2020 12:38:42 PM



#46
 Dibromomethane
 Concen: 5.335 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion: 93 Resp: 7171
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.8 100.2
 174 97.0 78.4 117.6





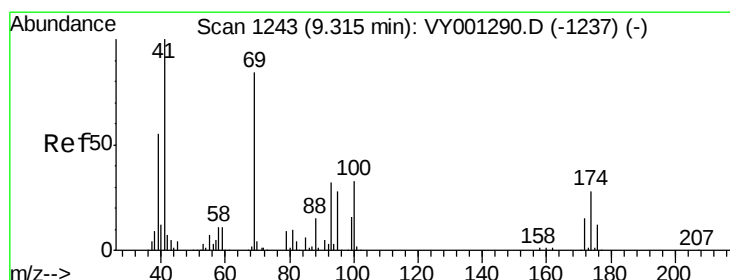
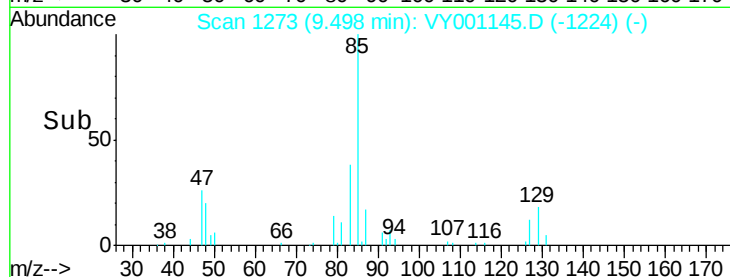
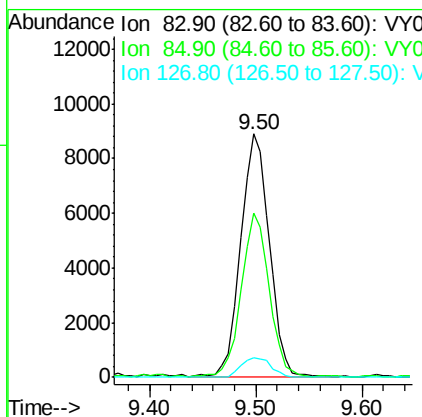
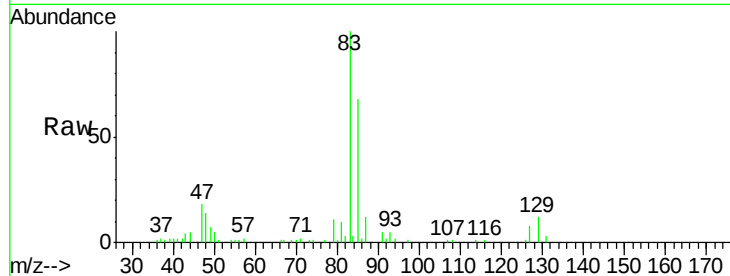
#47
Bromodichloromethane
Concen: 5.543 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	16967
Ion Ratio	100	Lower	Upper
83	100		
85	67.7	51.5	77.3
127	8.0	6.3	9.5

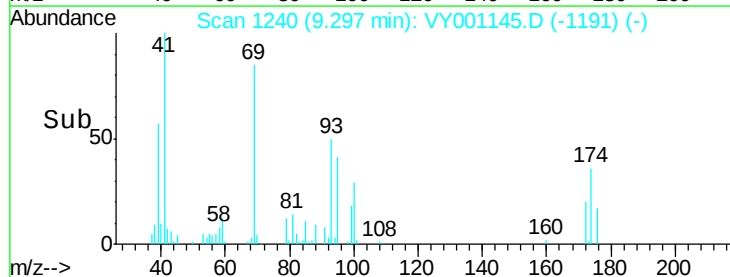
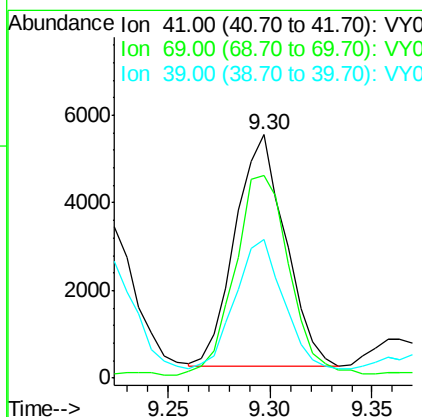
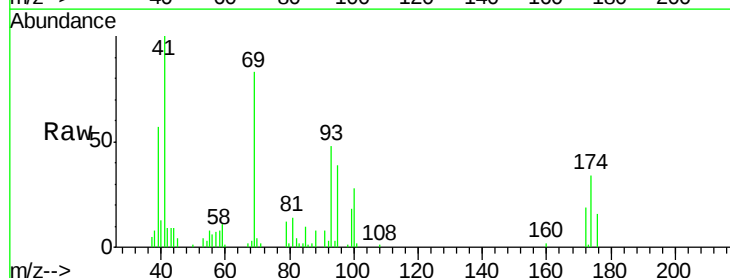
Manual Integrations
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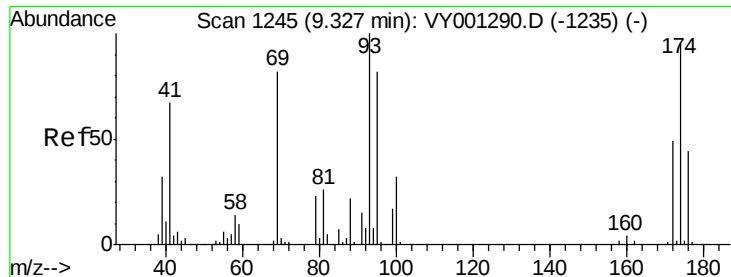
MMDadoda
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#48
Methyl methacrylate
Concen: 7.199 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	41	Resp	9118
Ion Ratio	100	Lower	Upper
41	100		
69	92.4	69.8	104.8
39	58.0	45.2	67.8





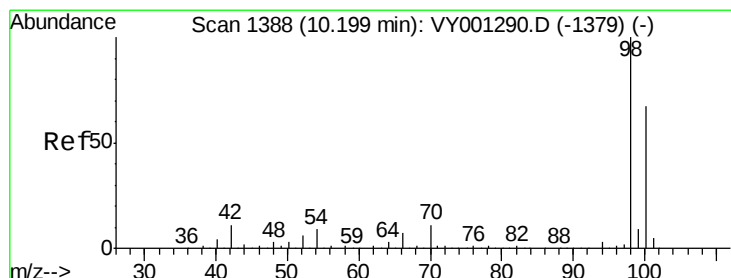
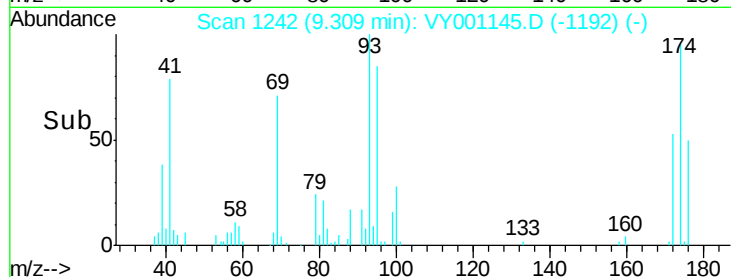
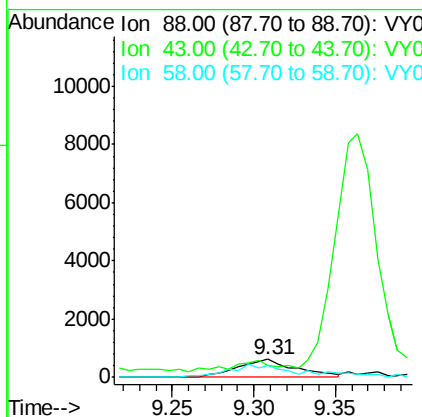
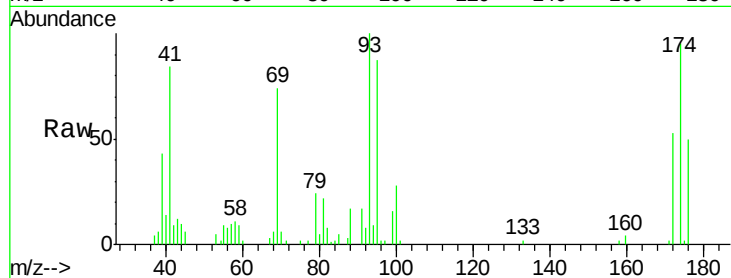
#49
1,4-Dioxane
Concen: 77.302 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.6	22.4	33.6#
58	72.5	58.0	87.0

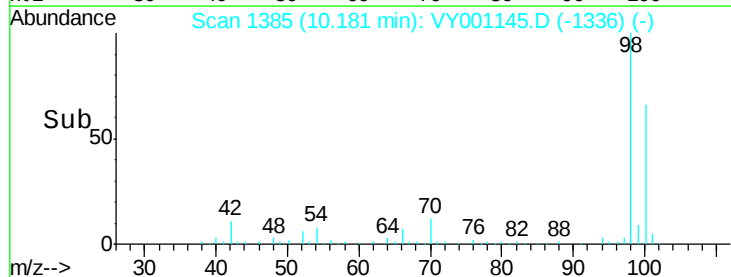
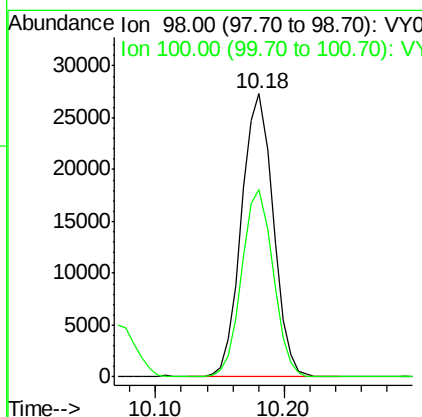
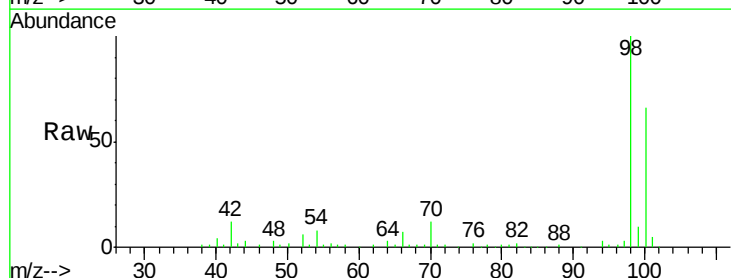
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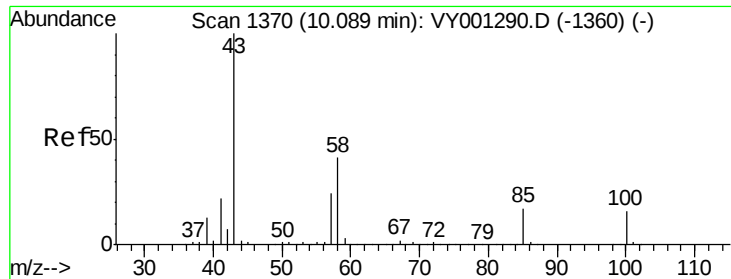
MMDadoda
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#50
Toluene-d8
Concen: 5.782 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.1	79.7





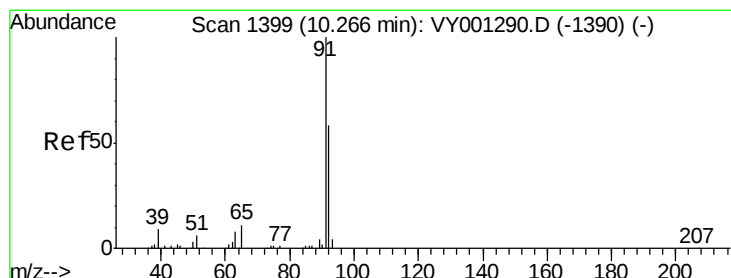
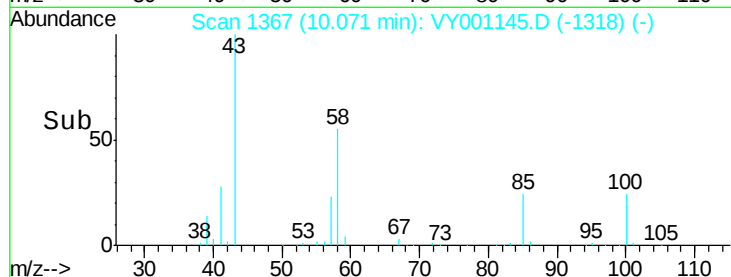
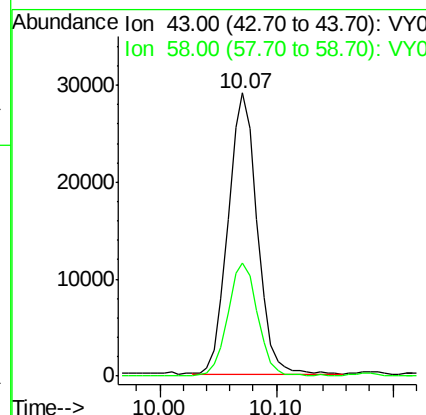
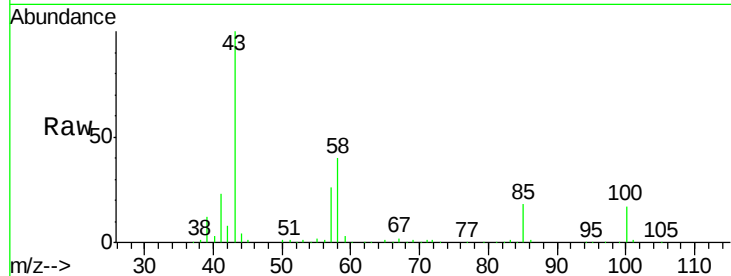
#51
4-Methyl-2-Pentanone
Concen: 35.659 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	41.6		32.3	48.5	

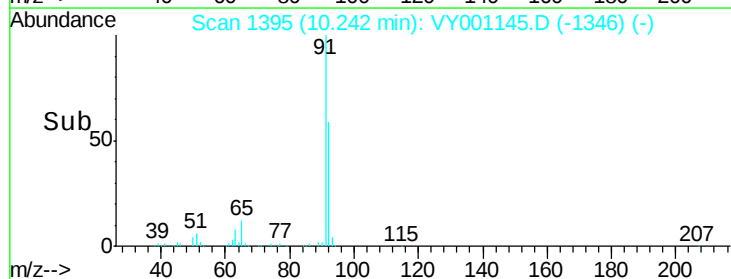
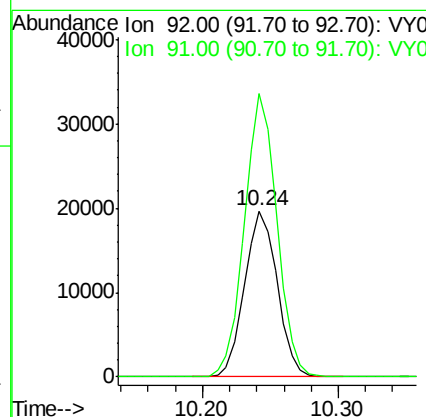
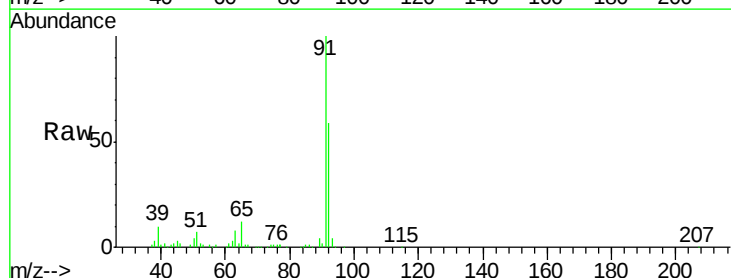
Manual Integrations
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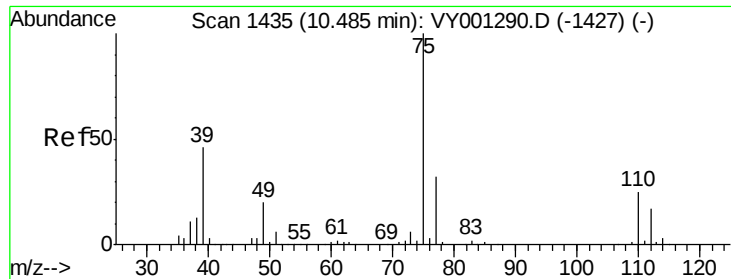
MMDadoda
1/13/2020 12:38:42 PM



#52
Toluene
Concen: 5.290 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	169.6		136.6	204.8	





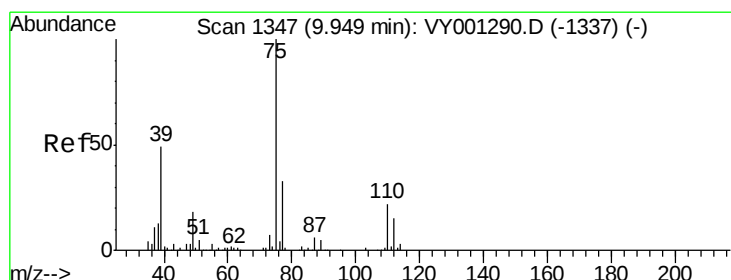
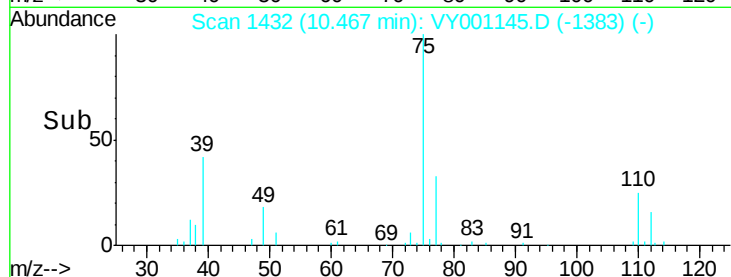
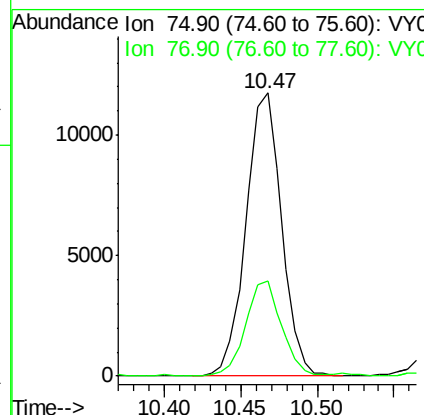
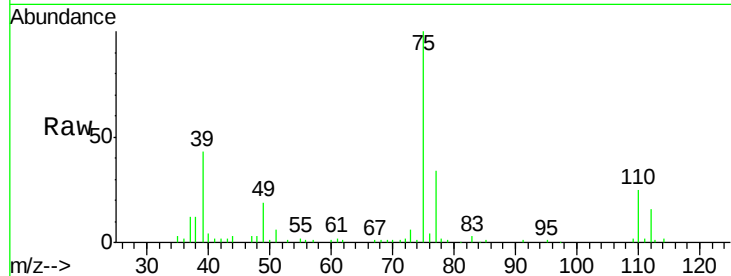
#53
t-1,3-Dichloropropene
Concen: 5.862 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.7	26.2	39.2

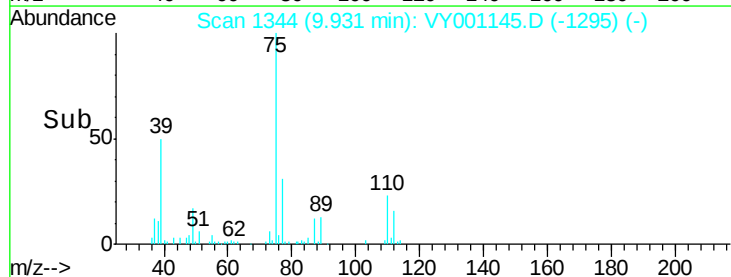
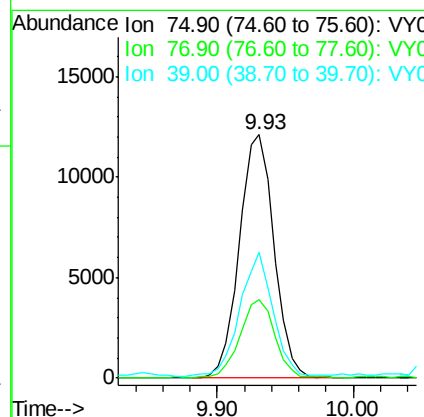
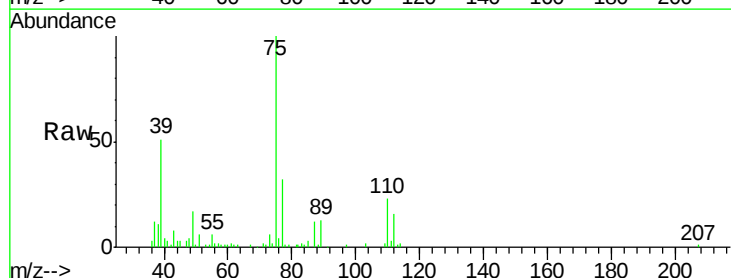
Manual Integrations
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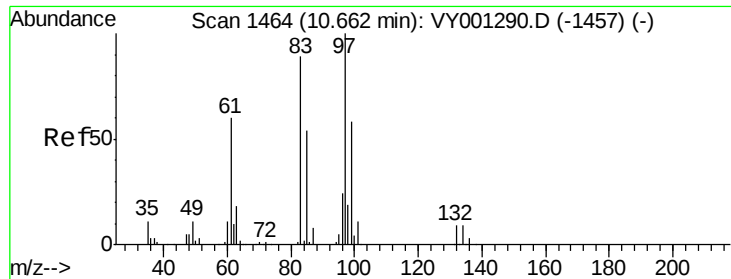
MMDadoda
1/13/2020 12:38:42 PM



#54
cis-1,3-Dichloropropene
Concen: 5.669 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	50.3	39.1	58.7





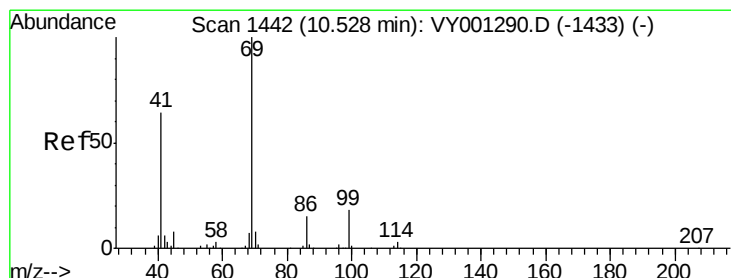
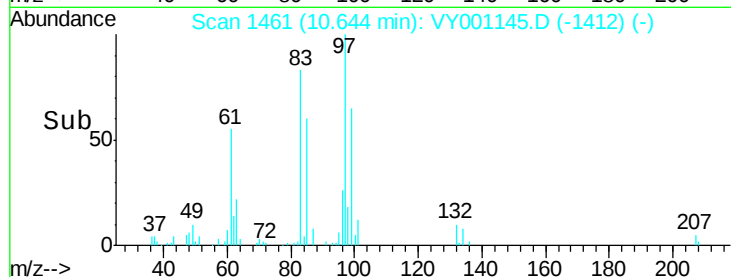
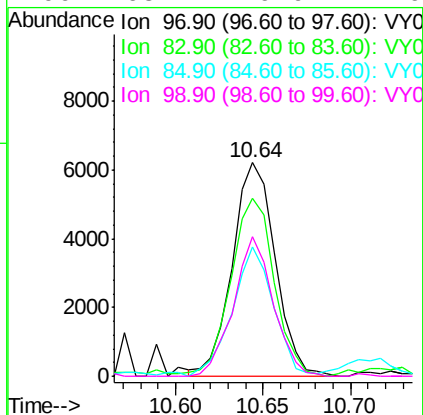
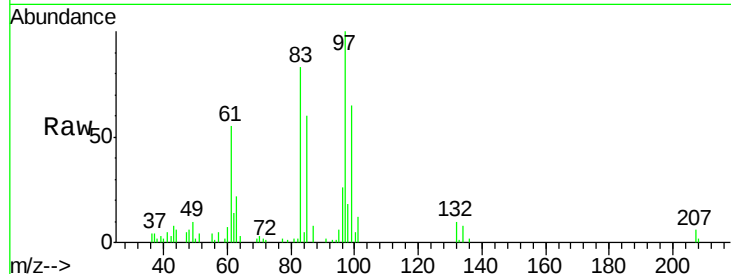
#55
 1,1,2-Trichloroethane
 Concen: 5.495 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10600
Ion	Ratio	Lower	Upper
97	100		
83	82.1	67.2	100.8
85	60.4	44.9	67.3
99	65.4	49.9	74.9

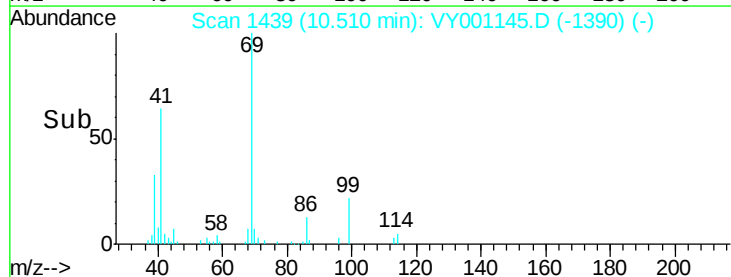
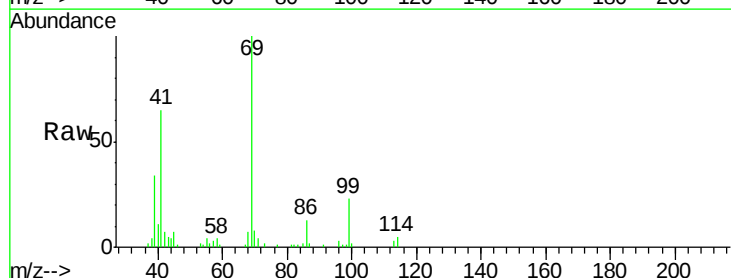
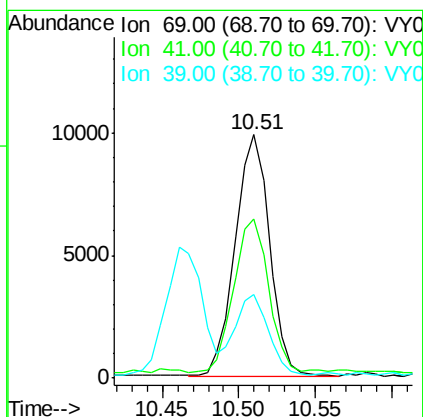
Manual Integrations
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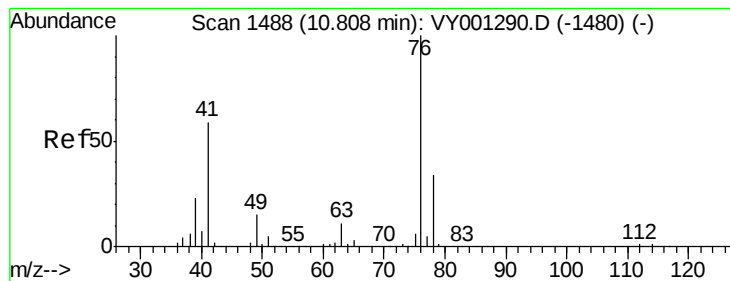
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#56
 Ethyl methacrylate
 Concen: 6.022 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion:	69	Resp:	15393
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.4	77.2
39	32.5	26.3	39.5





#57

1,3-Dichloropropane

Concen: 5.763 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 17571

Ion Ratio Lower Upper

76 100

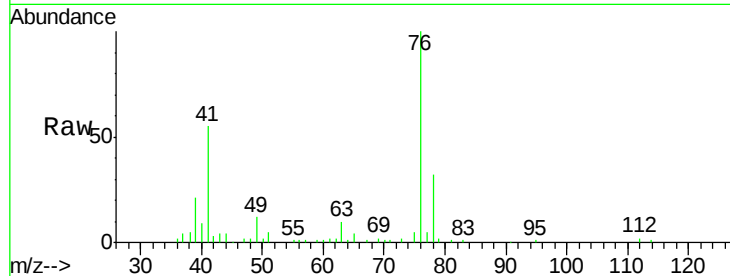
78 33.5 26.1 39.1

Manual Integrations

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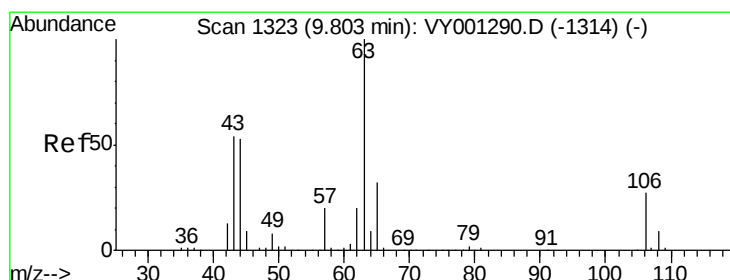
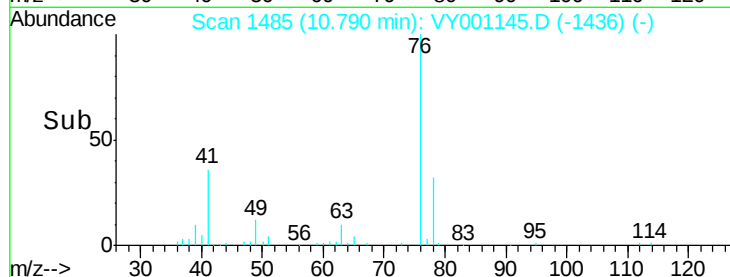
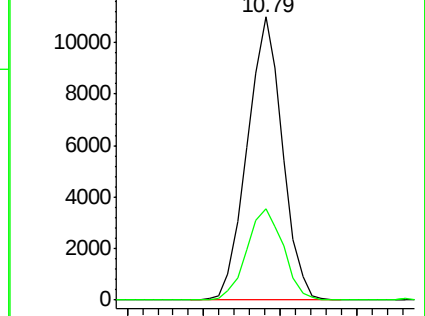
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 36.824 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001145.D

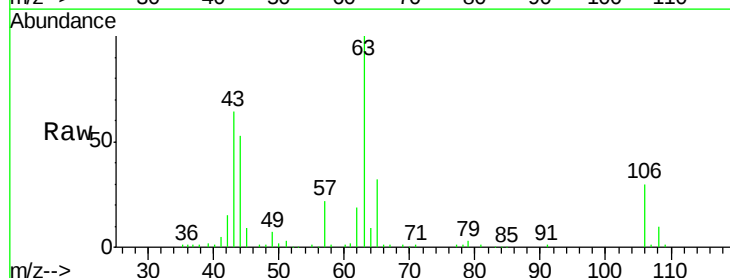
Acq: 10 Jan 2020 13:57

Tgt Ion: 63 Resp: 33813

Ion Ratio Lower Upper

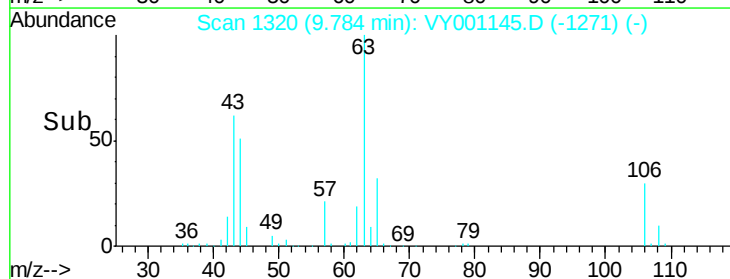
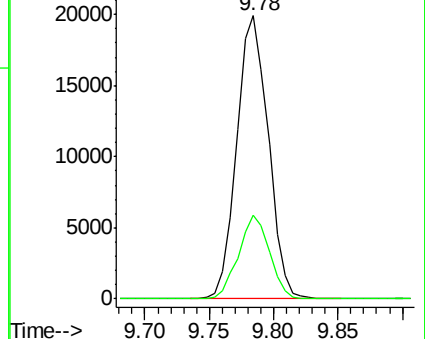
63 100

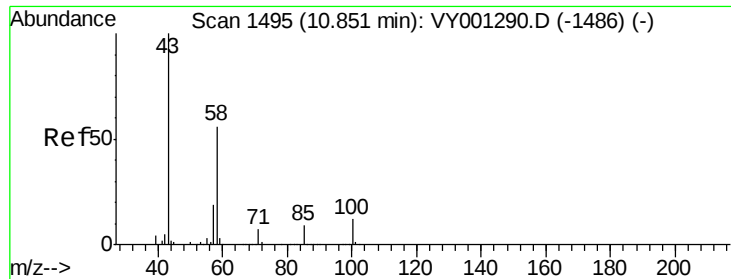
106 29.0 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





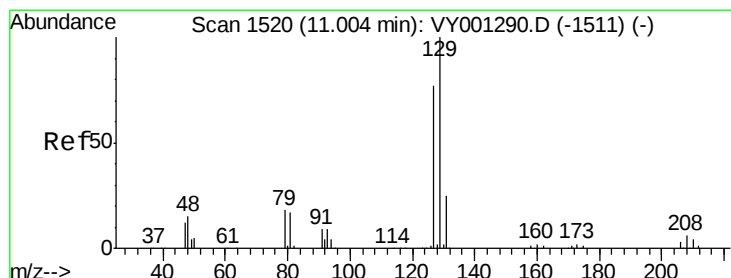
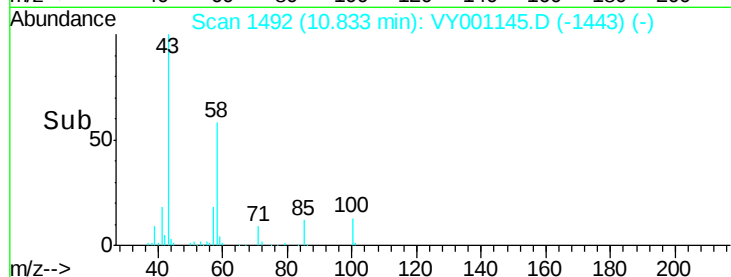
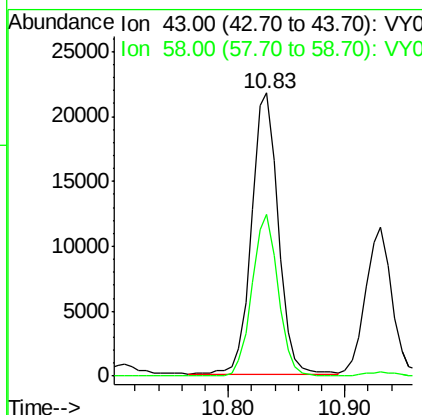
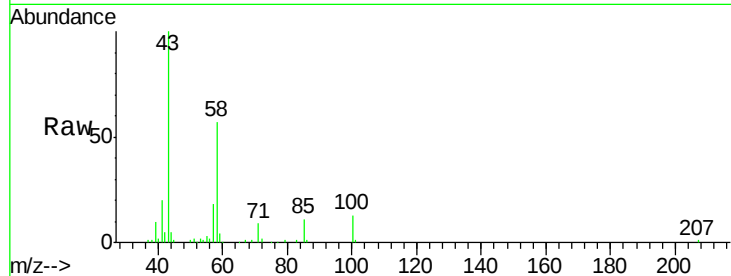
#59
2-Hexanone
Concen: 37.226 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 34895
Ion Ratio Lower Upper
43 100
58 56.0 28.4 85.2

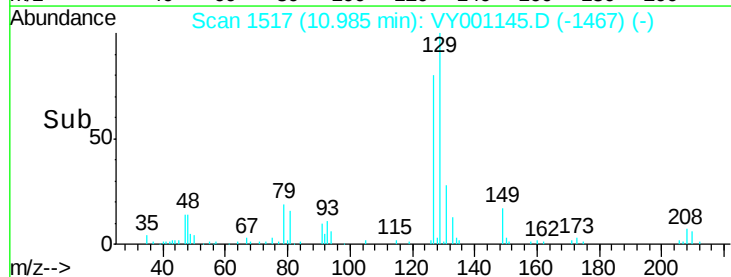
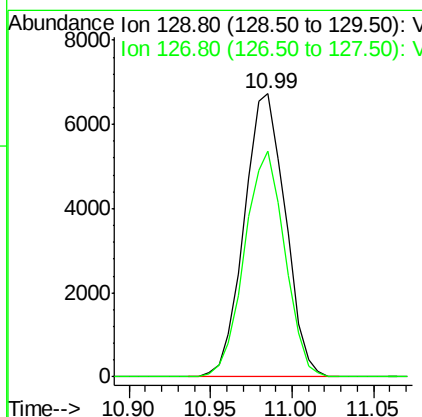
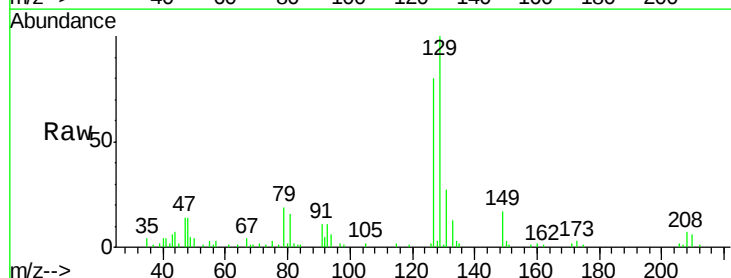
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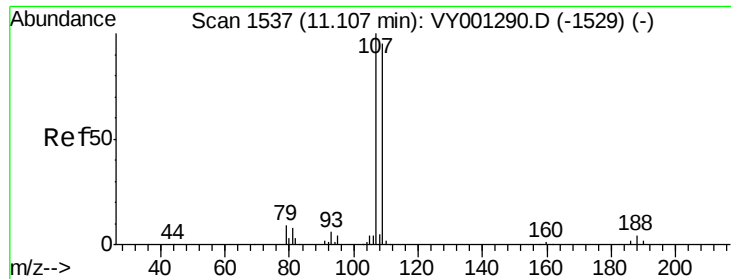
MMDadoda
1/13/2020 12:38:42 PM



#60
Dibromochloromethane
Concen: 5.371 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion: 129 Resp: 11816
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.7





#61

1,2-Dibromoethane

Concen: 5.496 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 10268

Ion Ratio Lower Upper

107 100

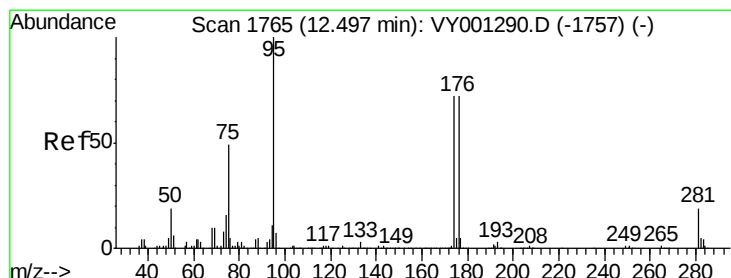
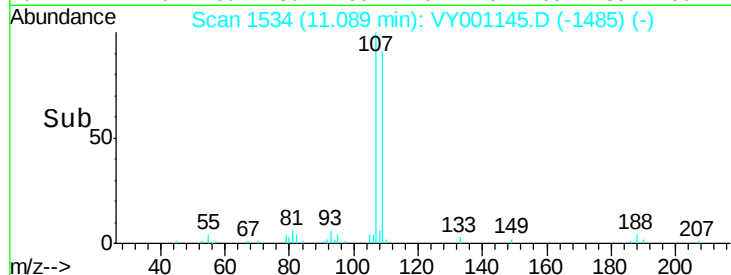
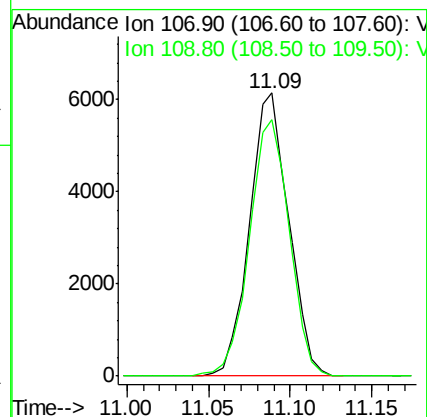
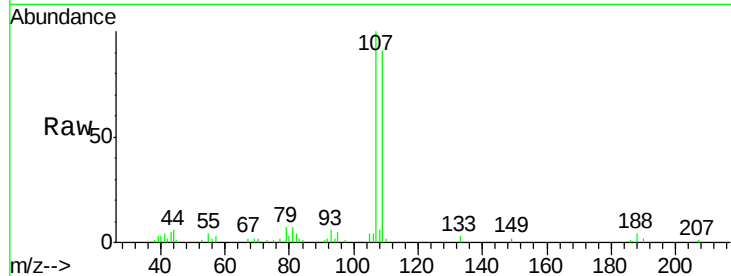
109 92.3 75.4 113.0

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#62

4-Bromofluorobenzene

Concen: 5.797 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

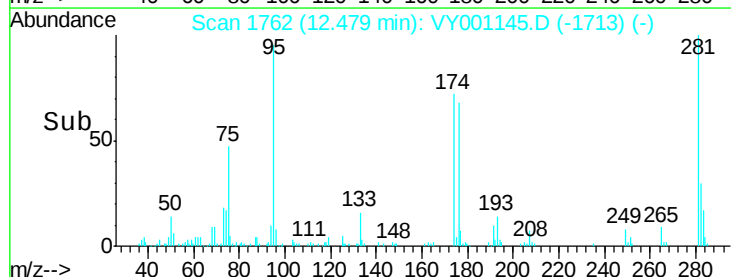
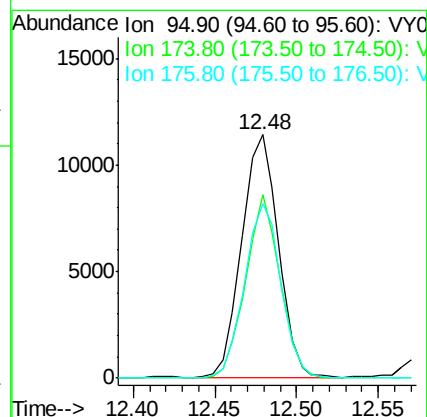
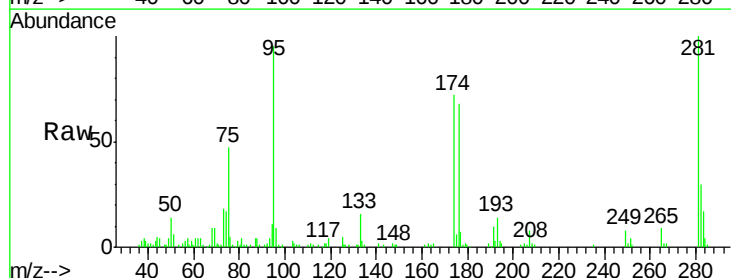
Tgt Ion: 95 Resp: 18017

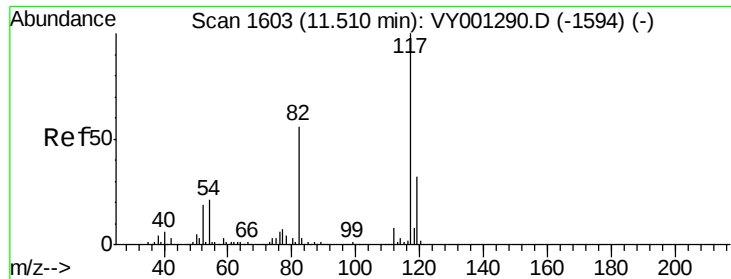
Ion Ratio Lower Upper

95 100

174 70.2 0.0 143.2

176 70.9 0.0 136.0





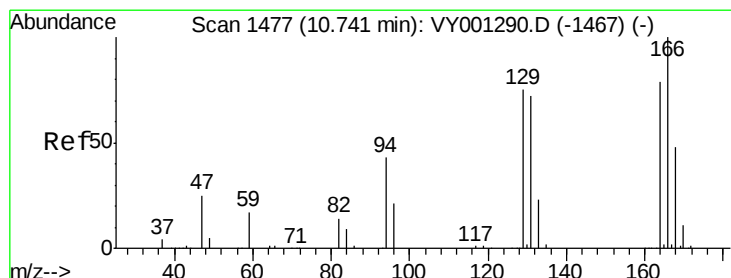
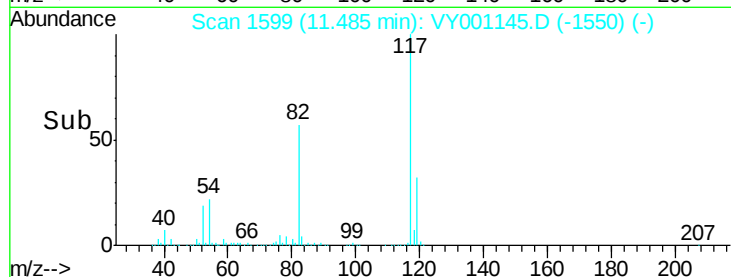
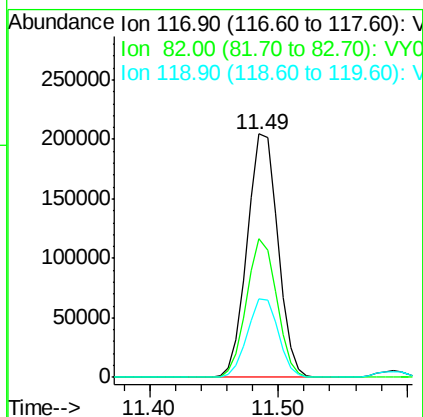
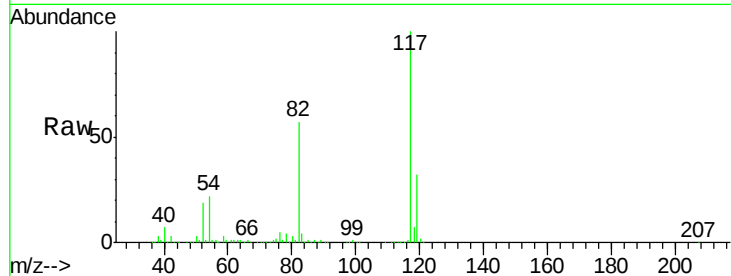
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	57.1	44.9	67.3	
119	32.4	25.7	38.5	

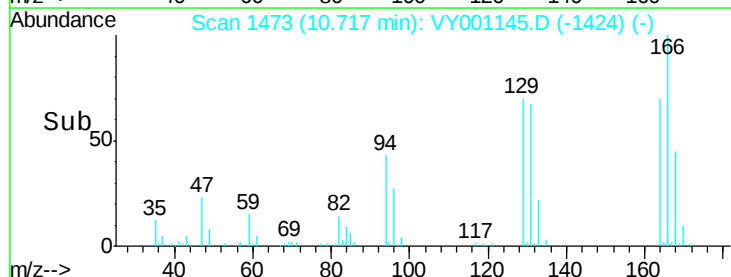
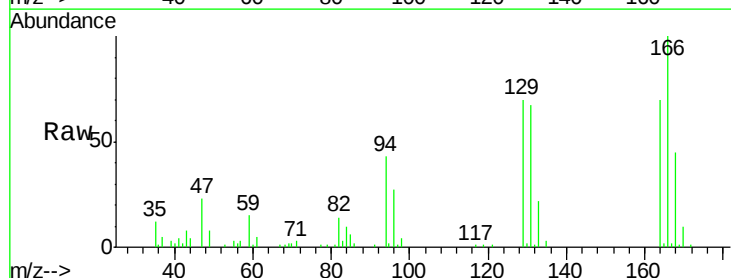
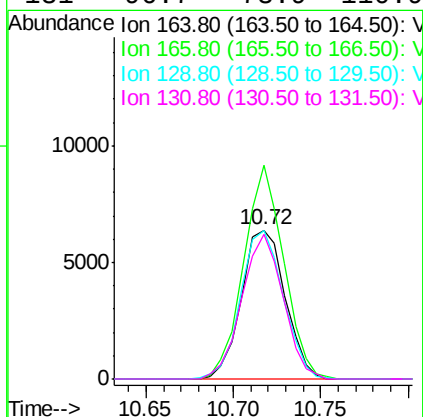
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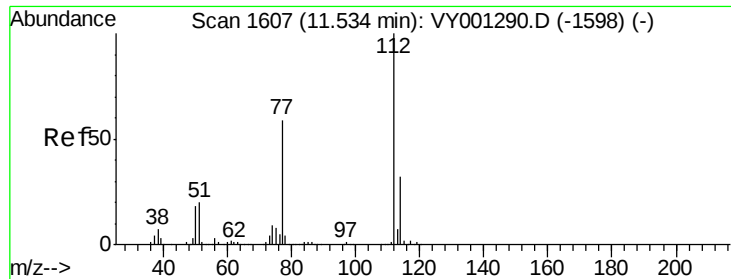
MMDadoda
1/13/2020 12:38:42 PM



#64
Tetrachloroethene
Concen: 3.728 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	143.3	102.3	153.5	
129	100.0	76.2	114.4	
131	96.7	73.9	110.9	





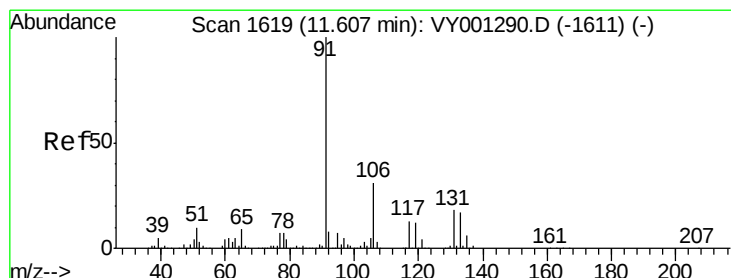
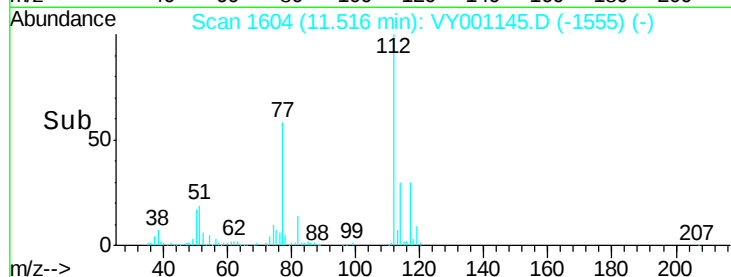
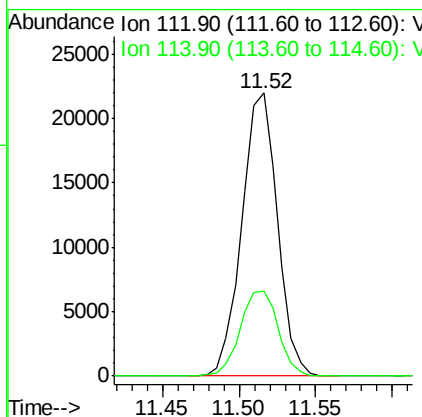
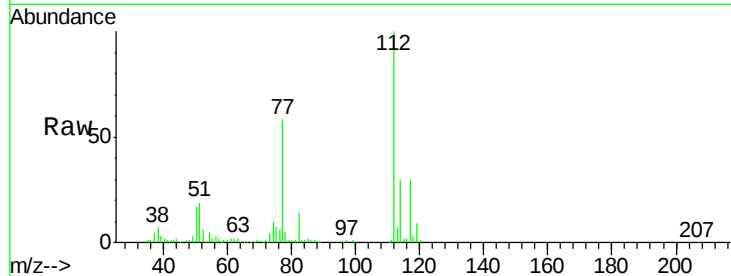
#65
Chlorobenzene
Concen: 5.032 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.9	25.9	38.9

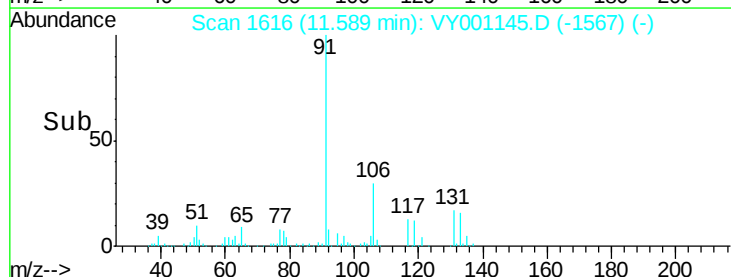
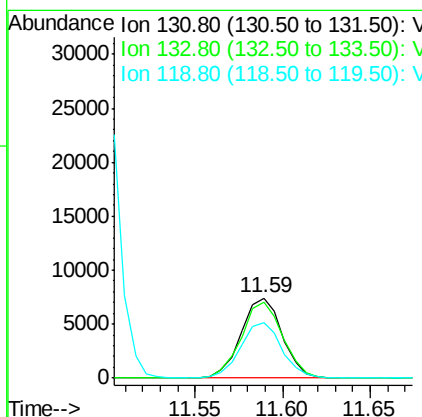
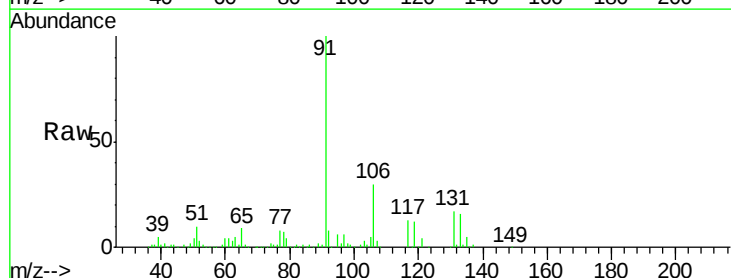
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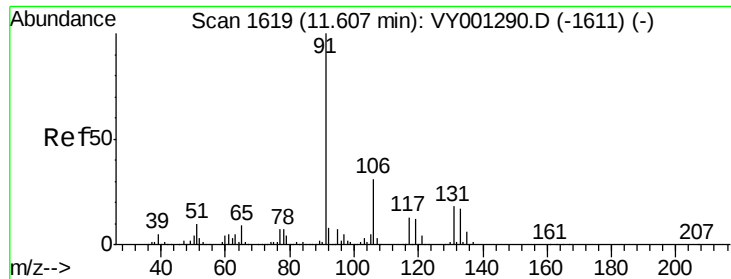
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.864 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	70.4	33.6	100.8





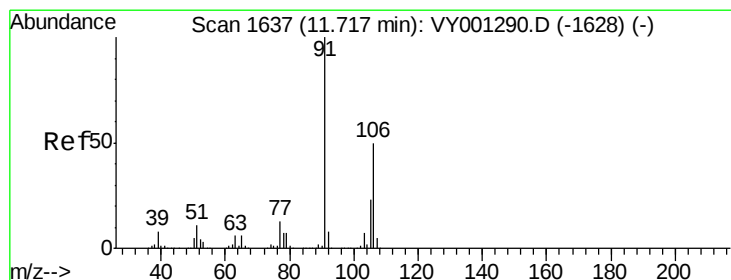
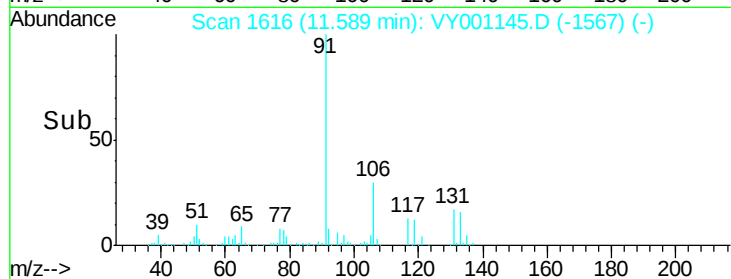
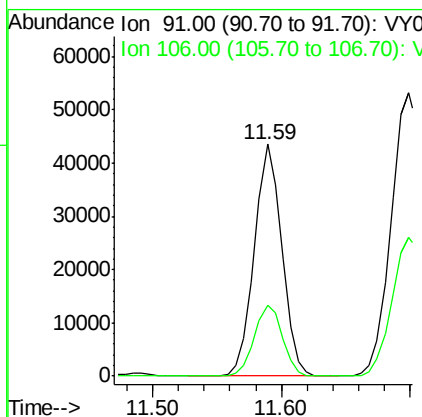
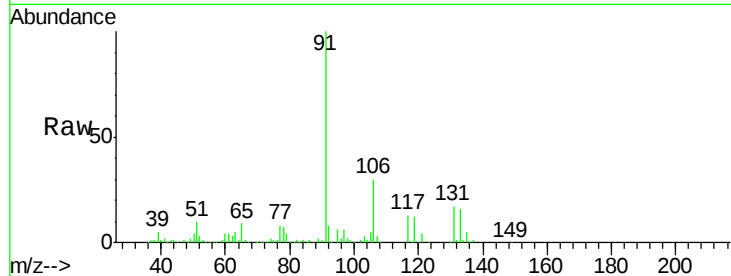
#67
Ethyl Benzene
Concen: 5.178 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 64080
Ion Ratio Lower Upper
91 100
106 30.3 25.3 37.9

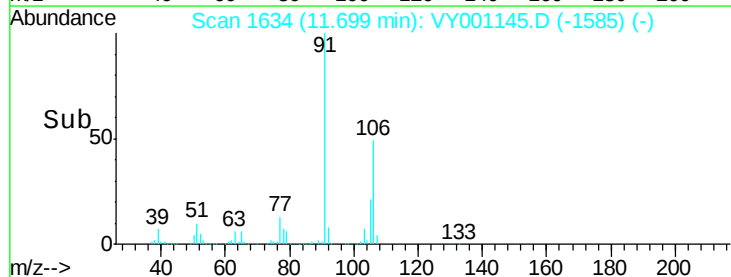
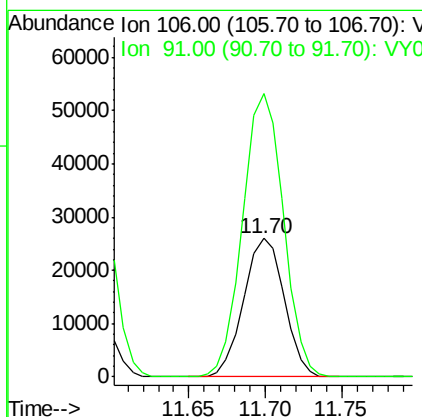
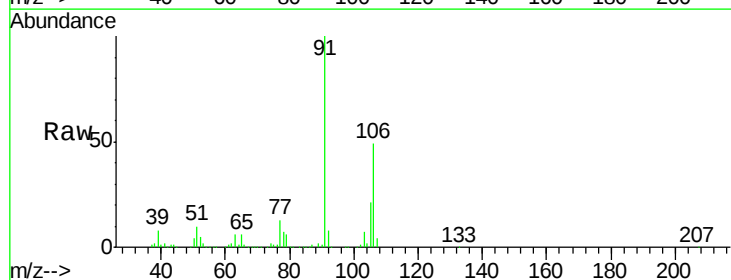
Manual Integrations
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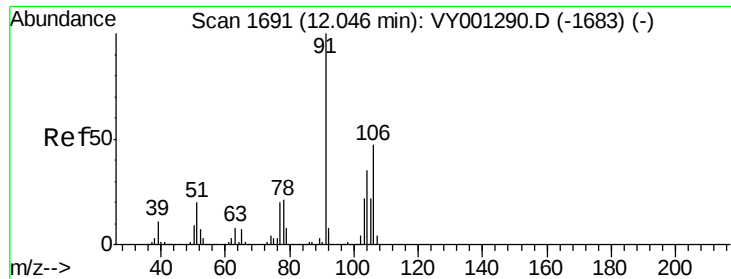
MMDadoda
1/13/2020 12:38:42 PM



#68
m/p-Xylenes
Concen: 9.846 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion: 106 Resp: 48080
Ion Ratio Lower Upper
106 100
91 205.1 161.4 242.2





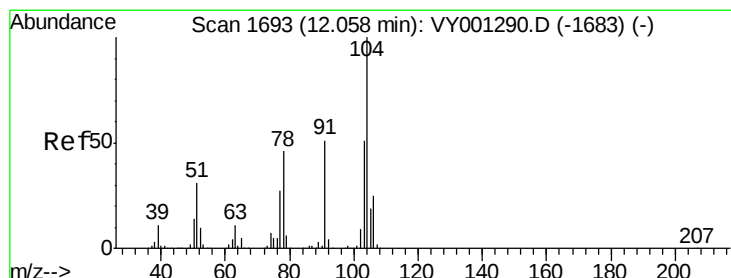
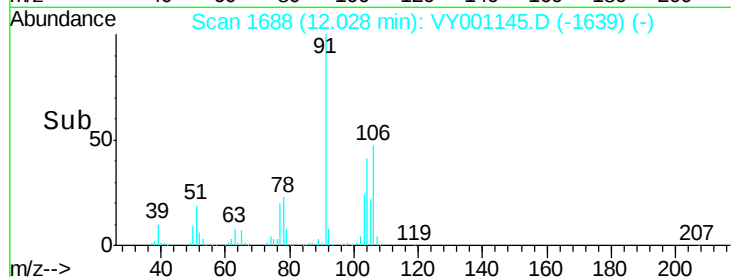
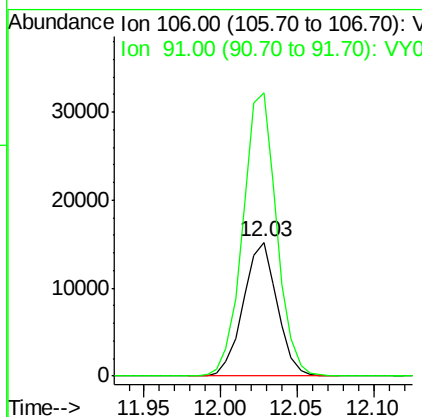
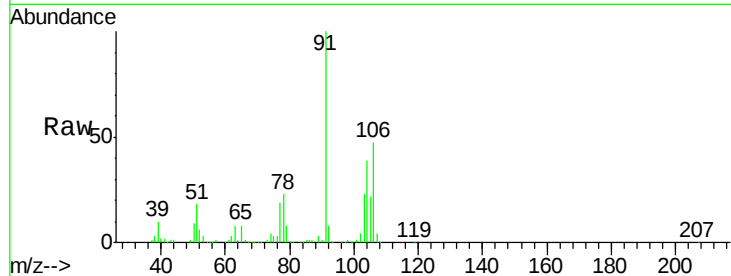
#69
o-Xylene
Concen: 5.045 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.3	106.3	318.8

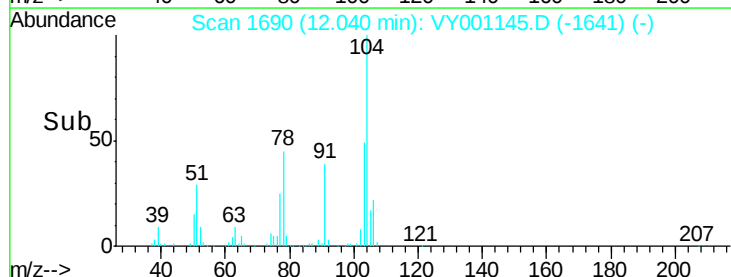
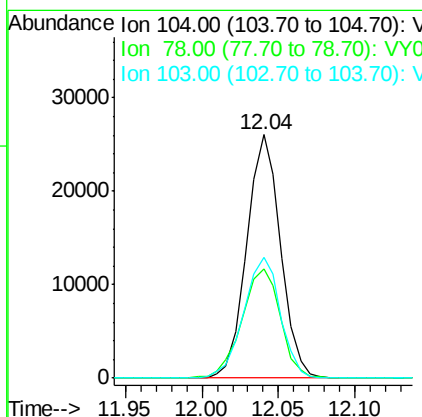
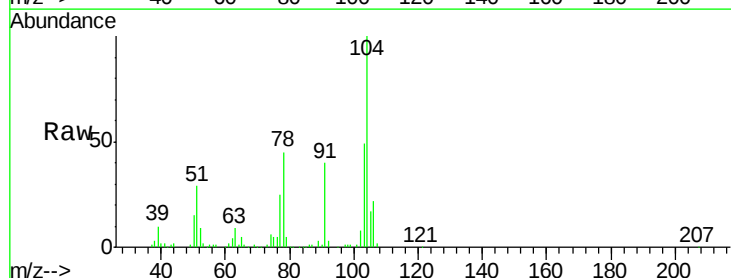
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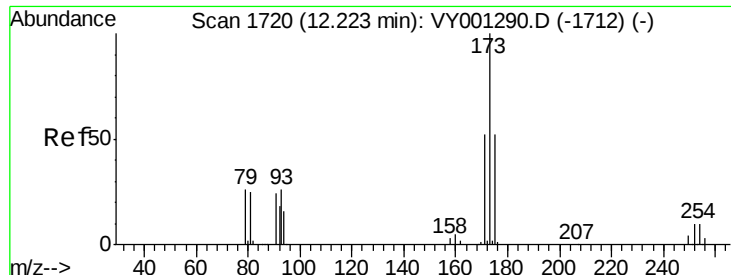
MMDadoda
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#70
Styrene
Concen: 5.074 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.5	60.7
103	54.0	42.4	63.6





#71

Bromoform

Concen: 4.810 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

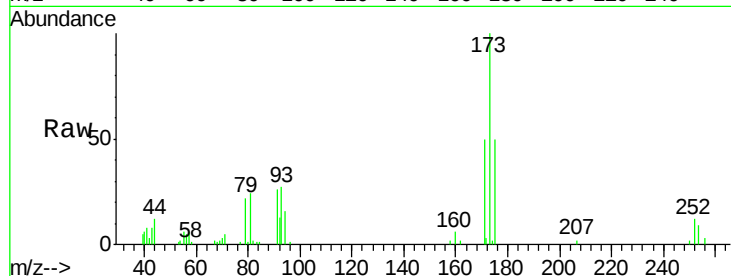
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.7	24.1	72.2
254	0.0	0.1	0.1#

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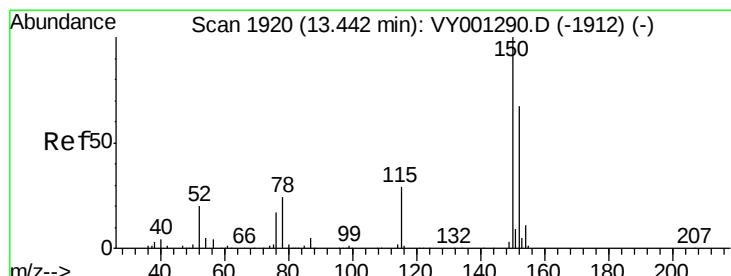
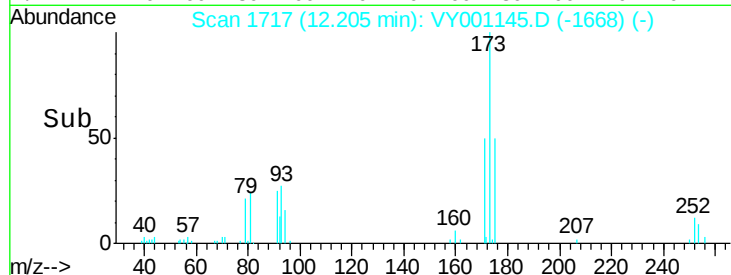
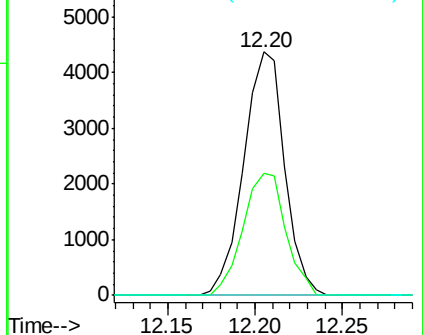


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

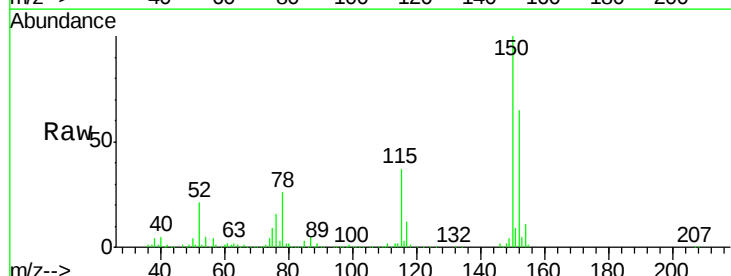
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.7	30.9	92.5
150	159.0	0.0	346.8

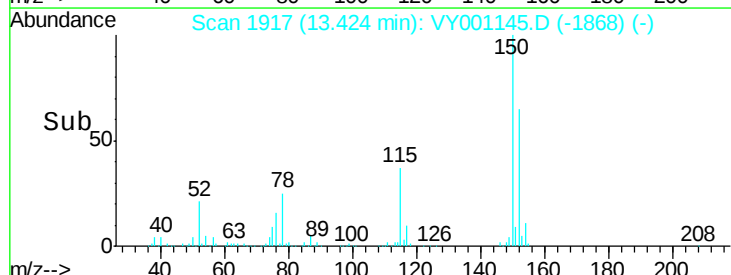
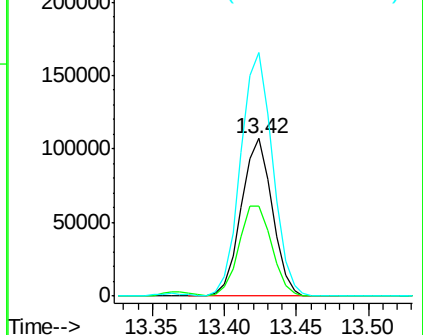


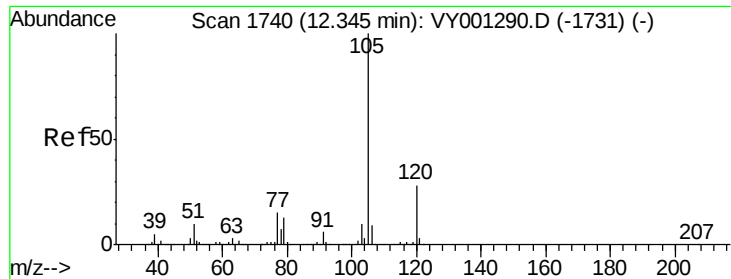
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





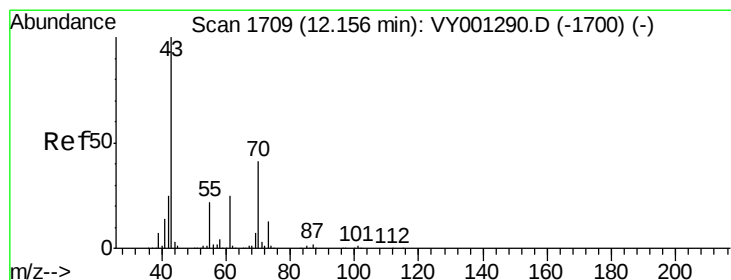
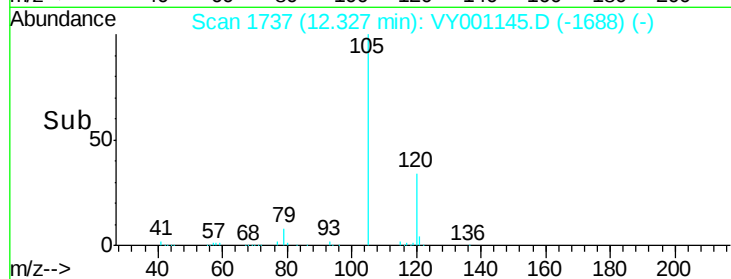
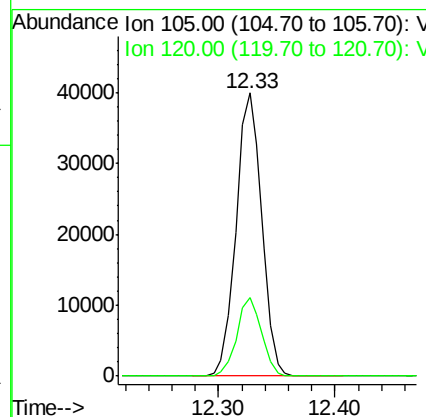
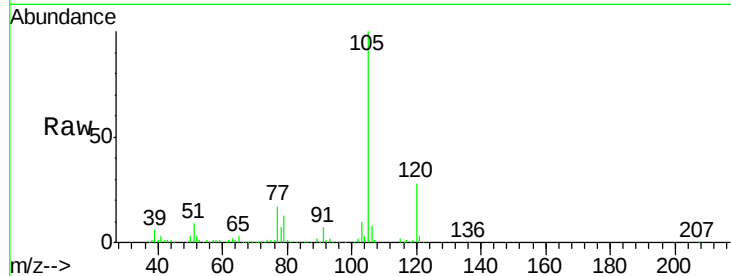
#73
Isopropylbenzene
Concen: 5.099 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:105 Resp: 61210
Ion Ratio Lower Upper
105 100
120 26.7 13.4 40.2

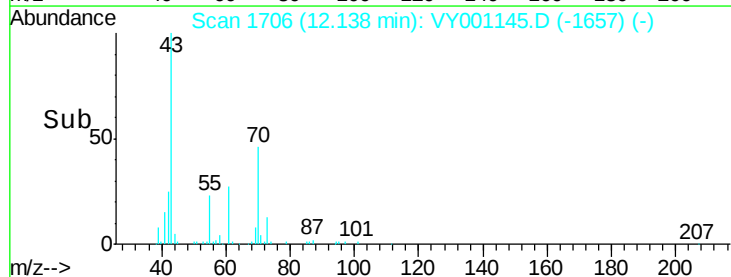
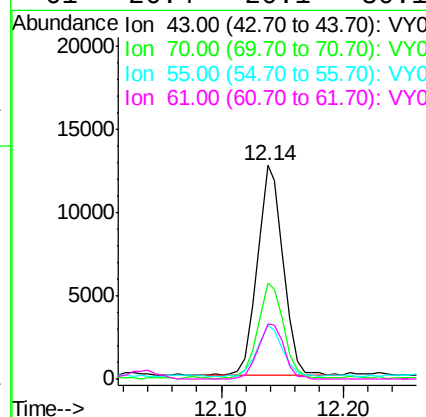
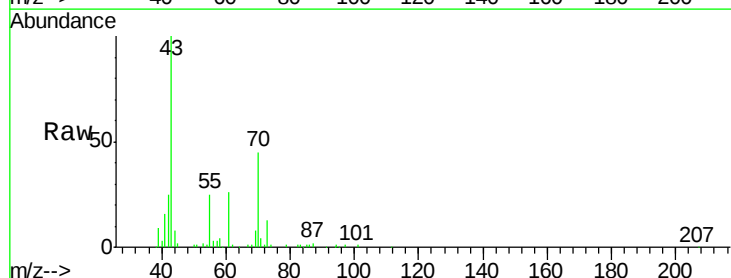
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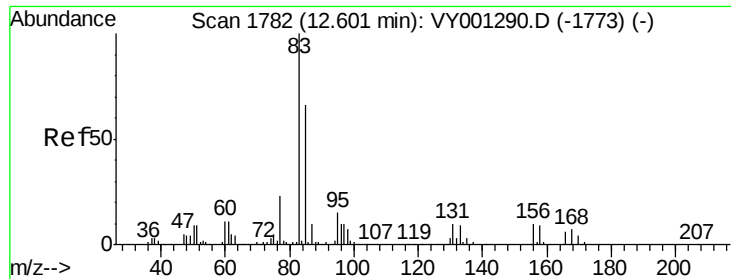
MMDadoda
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#74
N-ethyl acetate
Concen: 7.357 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion: 43 Resp: 18577
Ion Ratio Lower Upper
43 100
70 46.6 35.0 52.6
55 23.8 18.4 27.6
61 26.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.874 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

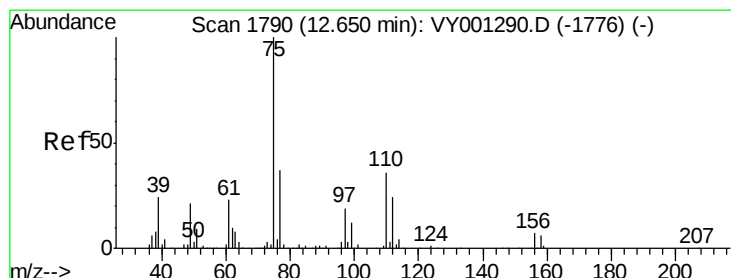
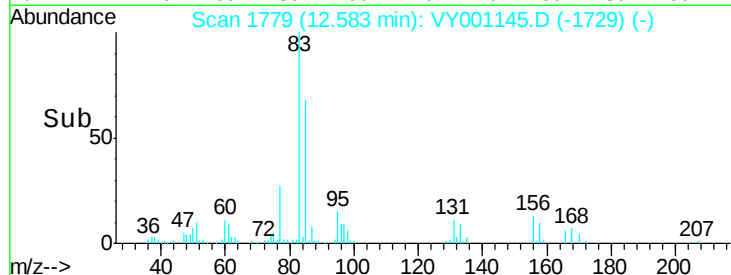
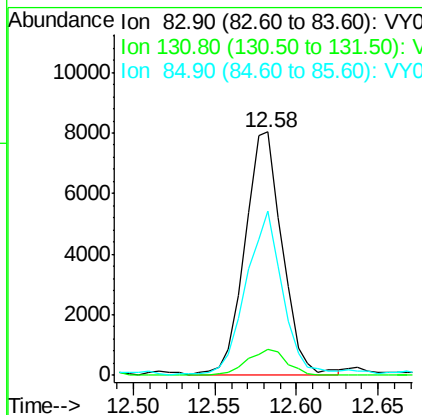
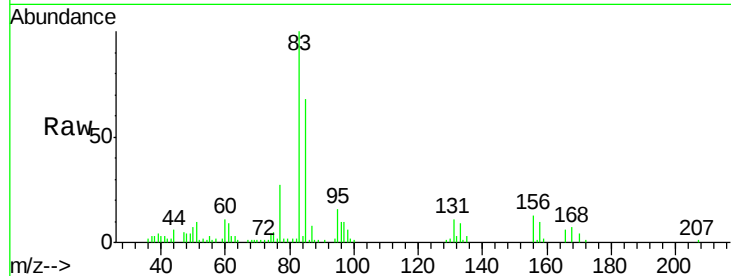
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12907
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.1	15.3
85	66.4	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 6.088 ug/l m

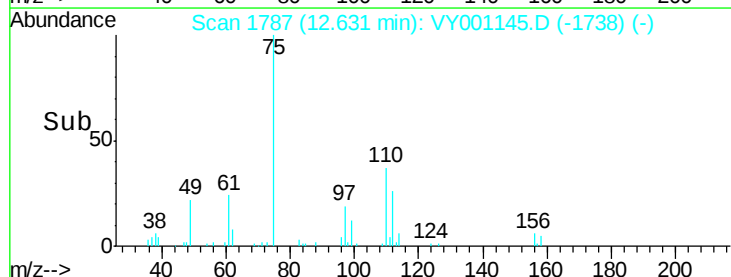
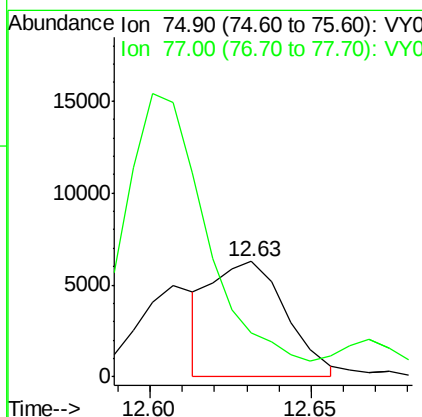
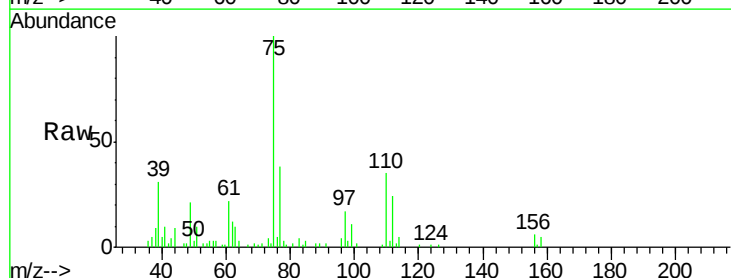
RT: 12.63 min Scan# 1787

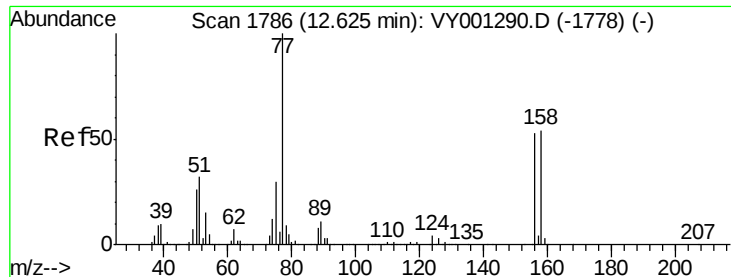
Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Tgt Ion:	75	Resp:	10048
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.783 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001145.D

Acq: 10 Jan 2020 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 13767

Ion Ratio Lower Upper

156 100

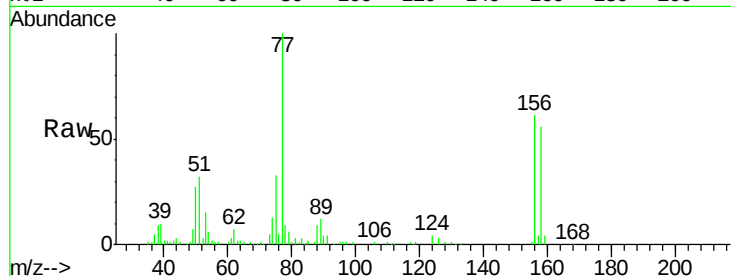
77 207.2 106.7 320.1

158 98.1 48.3 144.8

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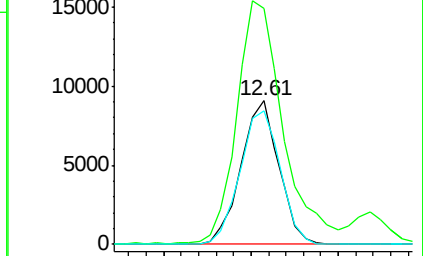
1/13/2020 12:38:42 PM



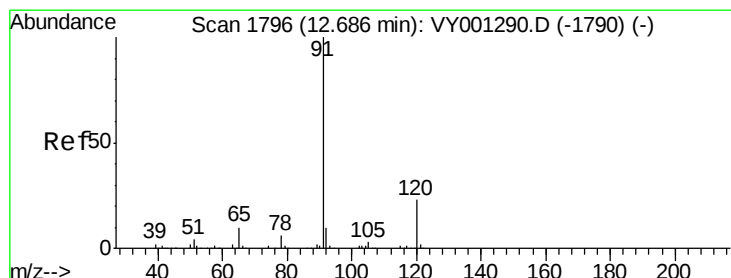
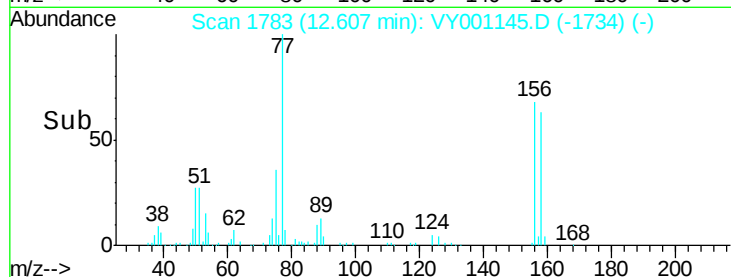
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 5.150 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001145.D

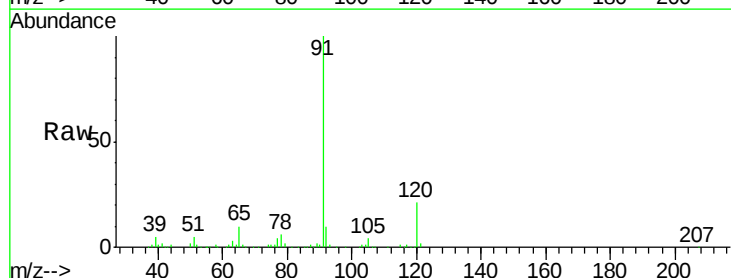
Acq: 10 Jan 2020 13:57

Tgt Ion: 91 Resp: 73403

Ion Ratio Lower Upper

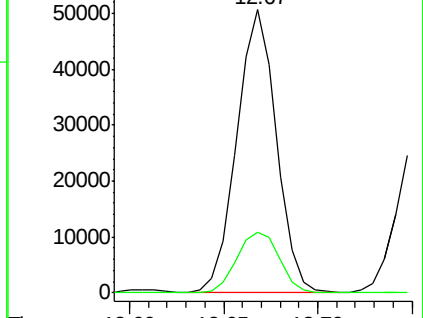
91 100

120 23.2 11.5 34.4

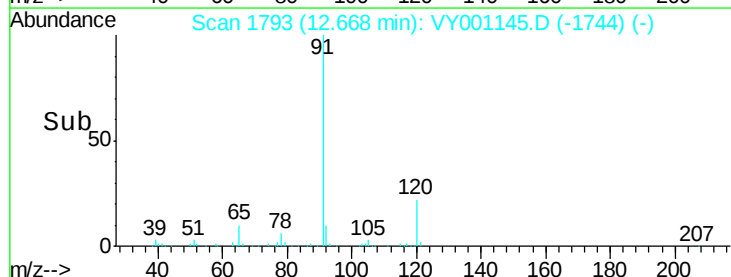


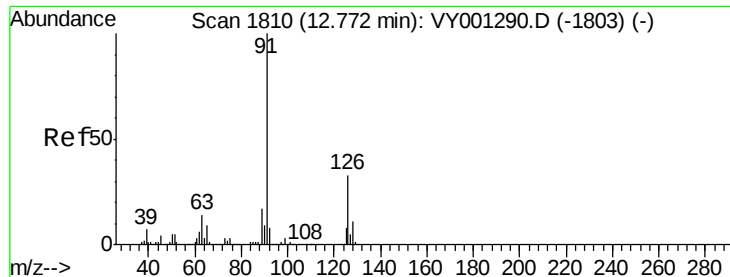
Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V



Time-->





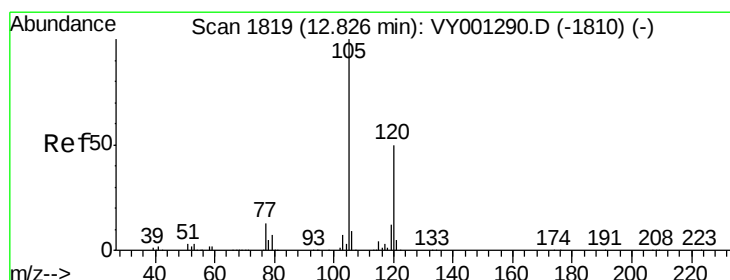
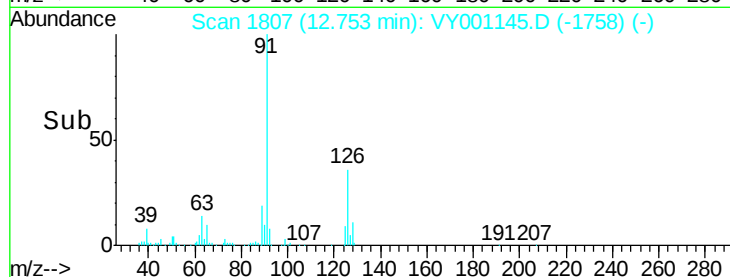
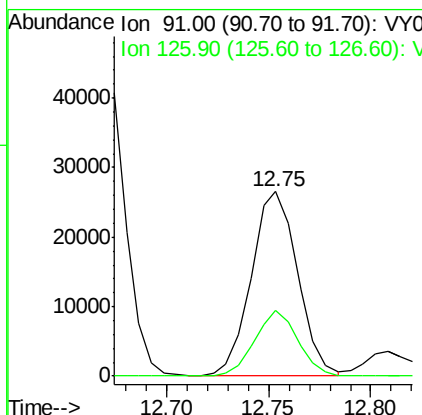
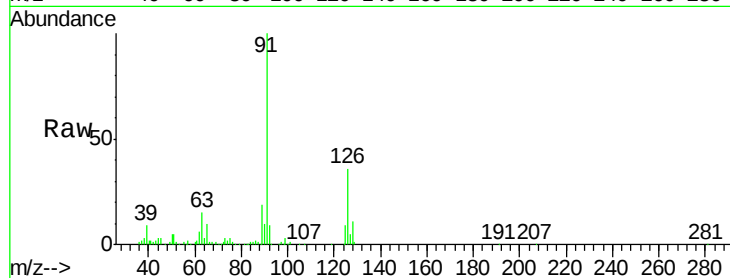
#79
 2-Chlorotoluene
 Concen: 5.275 ug/l
 RT: 12.75 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 41943
 Ion Ratio Lower Upper
 91 100
 126 33.3 16.4 49.4

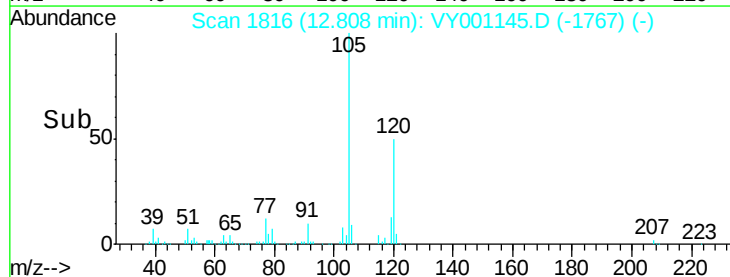
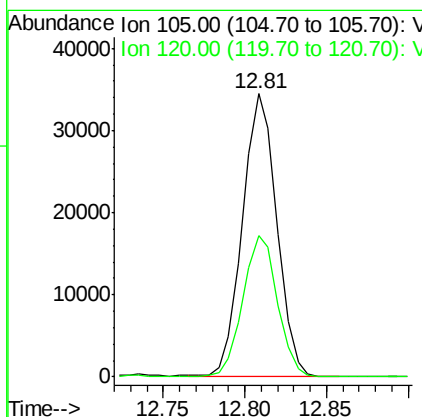
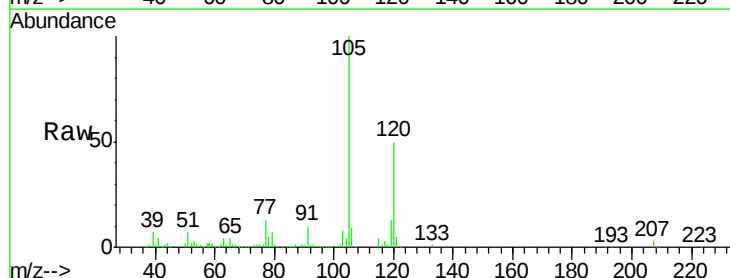
Manual Integrations
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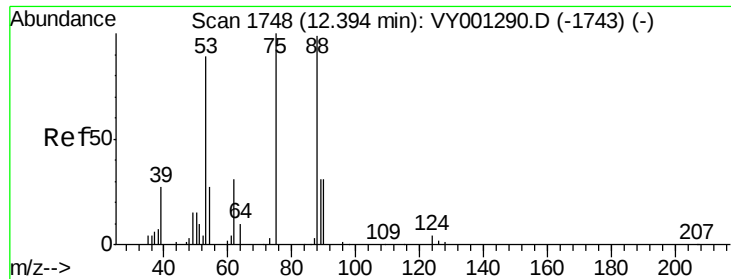
MMDadoda
 1/13/2020 12:38:42 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 4.964 ug/l
 RT: 12.81 min Scan# 1816
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion: 105 Resp: 50583
 Ion Ratio Lower Upper
 105 100
 120 50.2 24.2 72.6





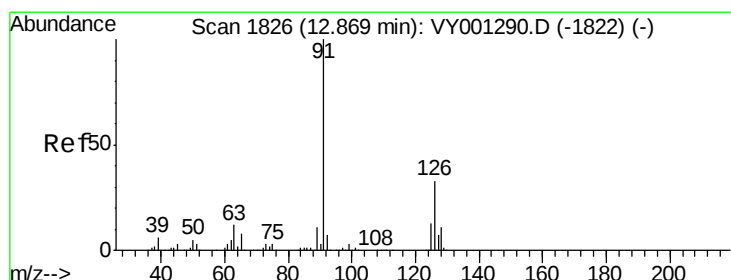
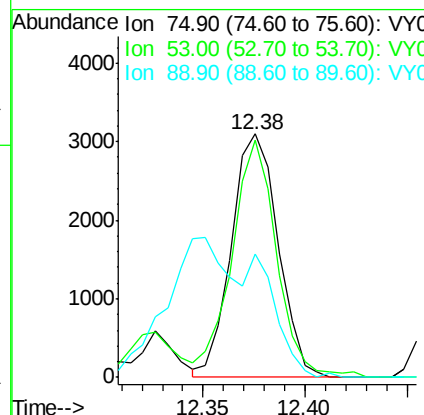
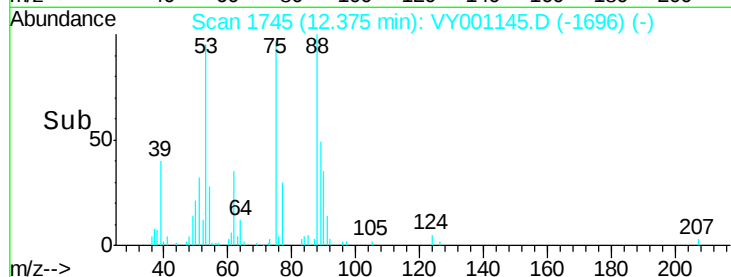
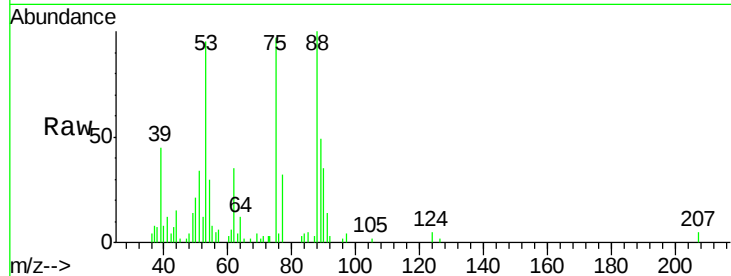
#81
trans-1,4-Dichloro-2-butene
Concen: 5.809 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.8	69.4	104.2
89	0.0	0.0	0.0

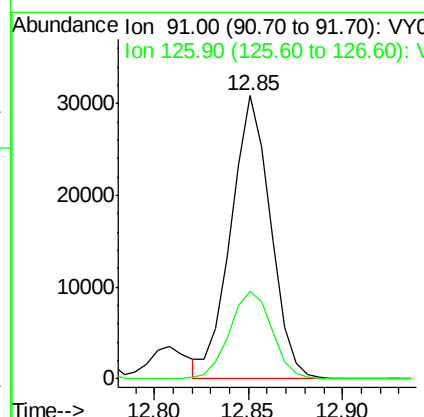
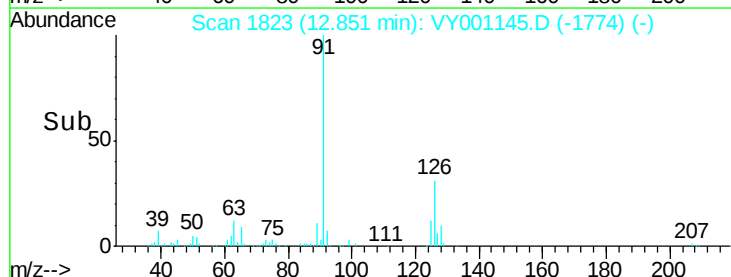
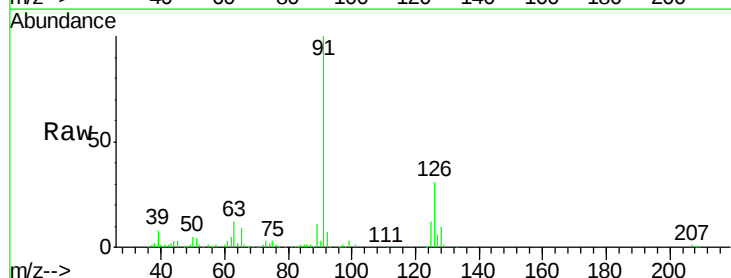
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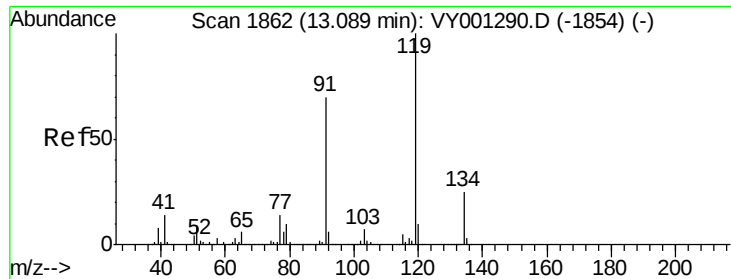
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.481 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.8





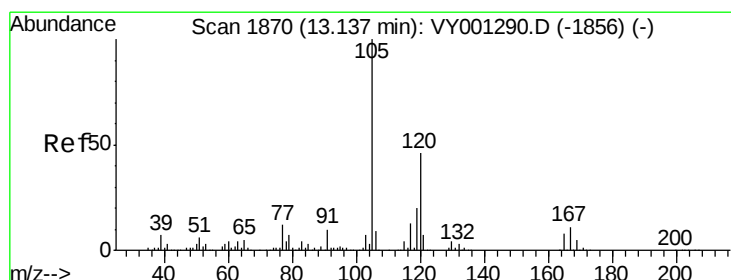
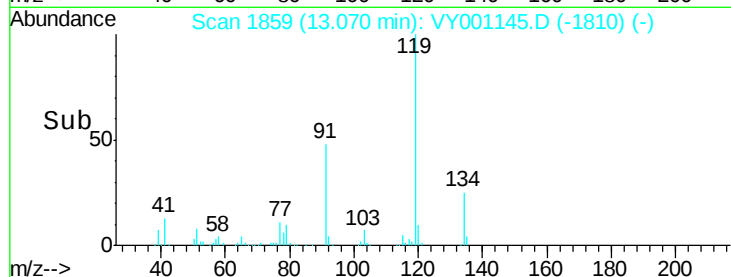
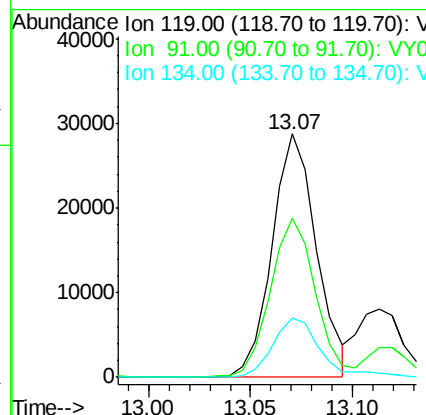
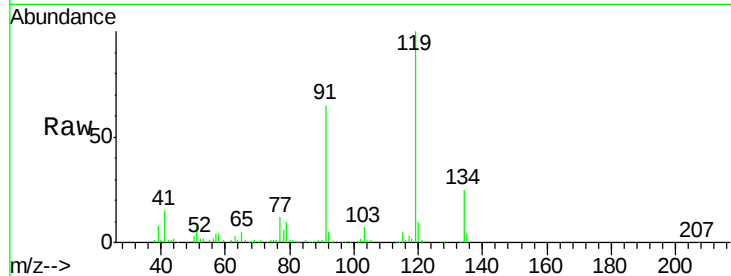
#83
tert-Butylbenzene
Concen: 5.064 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.9	33.9	101.7
134	26.6	13.5	40.4

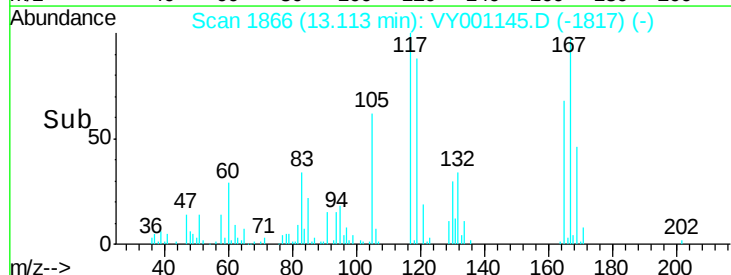
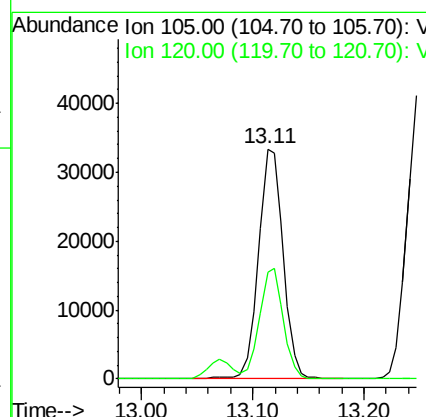
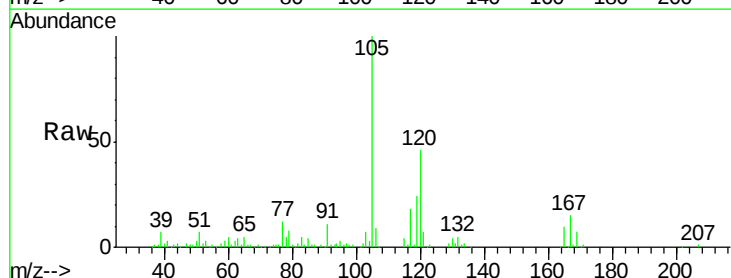
Manual Integrations
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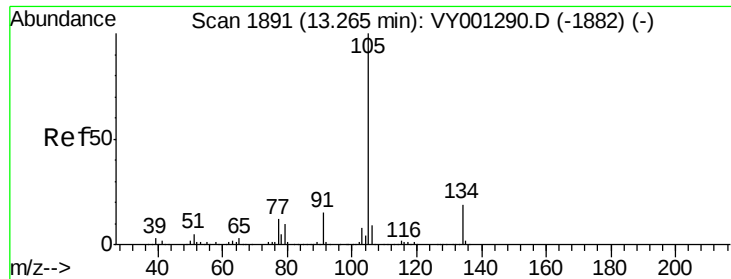
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#84
1,2,4-Trimethylbenzene
Concen: 5.036 ug/l
RT: 13.11 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.8	68.3





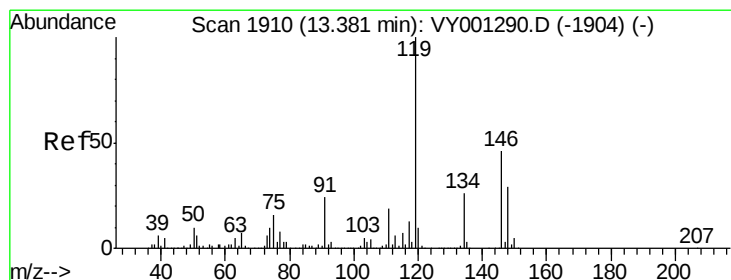
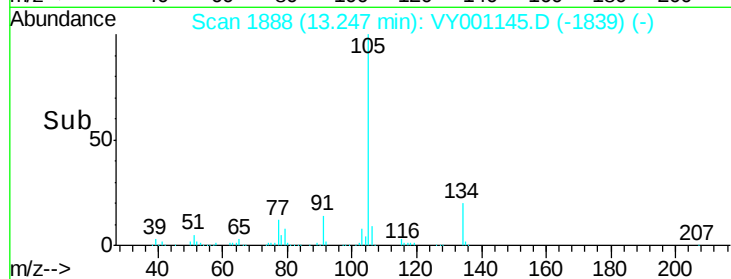
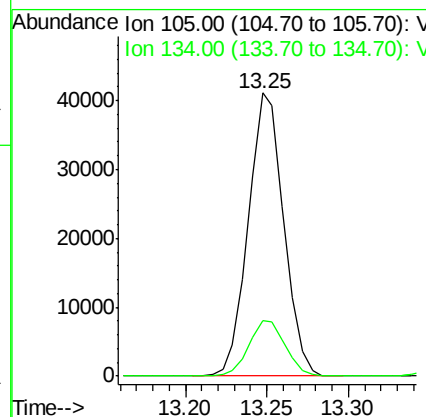
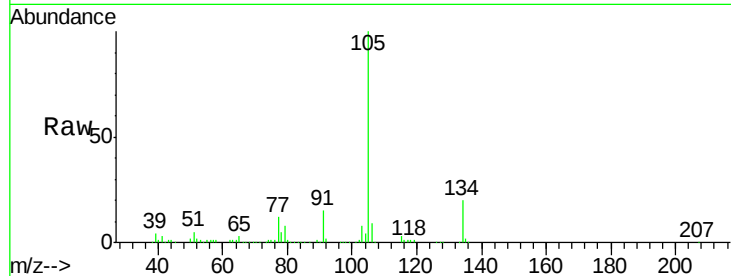
#85
 sec-Butylbenzene
 Concen: 5.127 ug/l
 RT: 13.25 min Scan# 1888
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	9.8	29.5

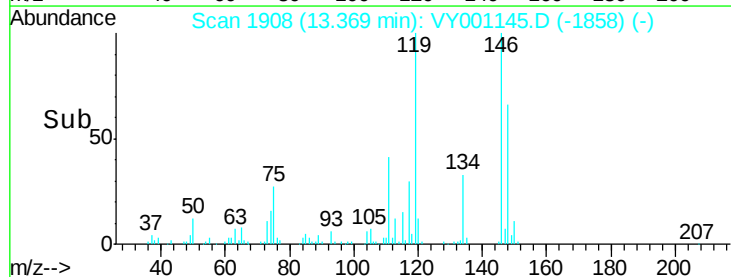
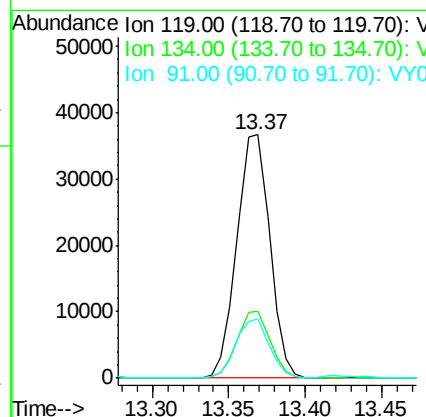
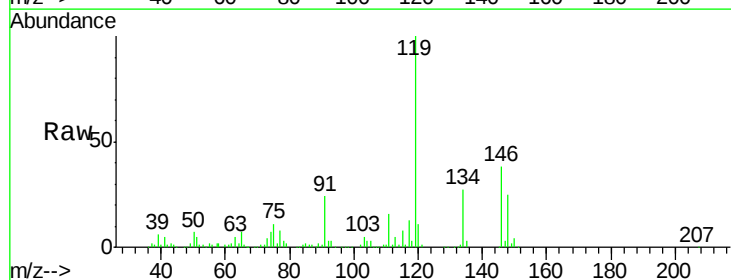
Manual Integrations
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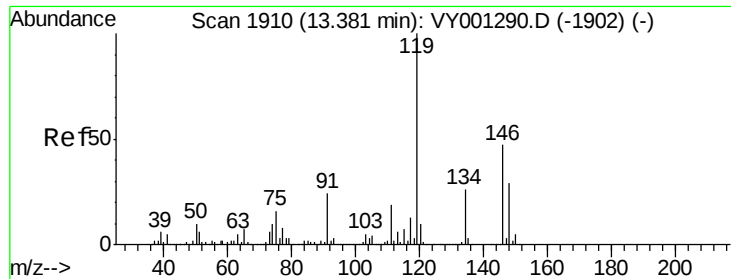
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#86
 p-Isopropyltoluene
 Concen: 5.063 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.4	40.2
91	24.7	12.4	37.2





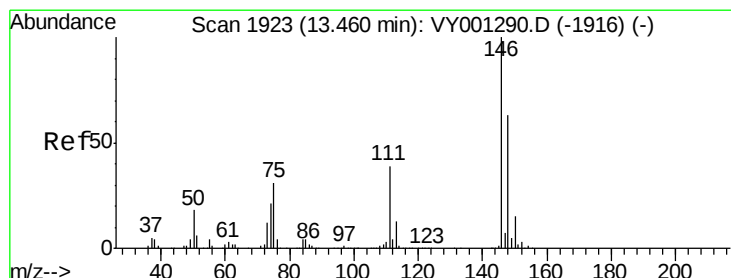
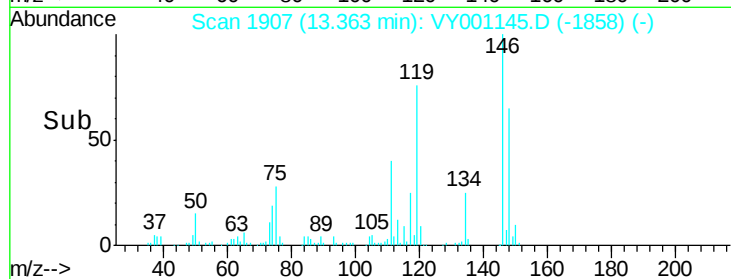
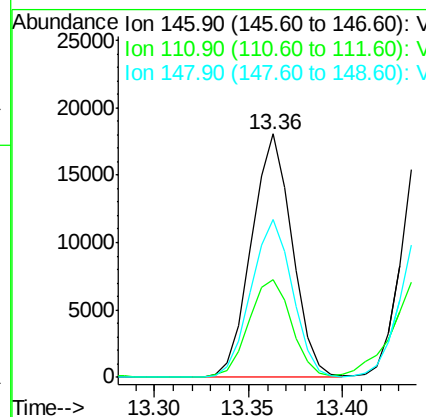
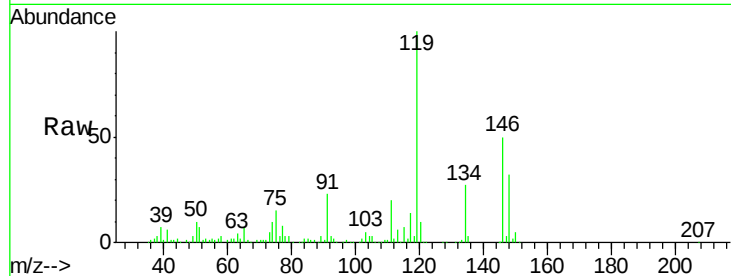
#87
 1,3-Dichlorobenzene
 Concen: 5.004 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	64.0
148	66.2	31.9	95.5

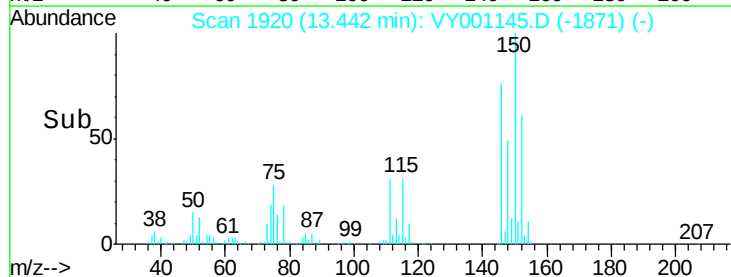
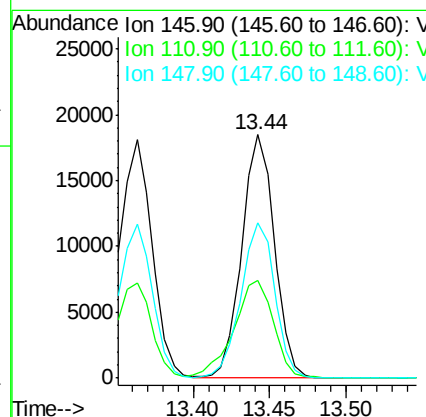
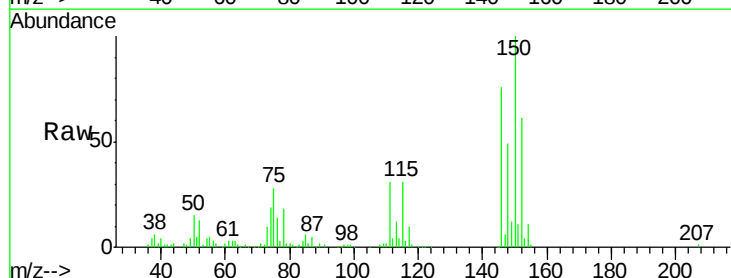
Manual Integrations
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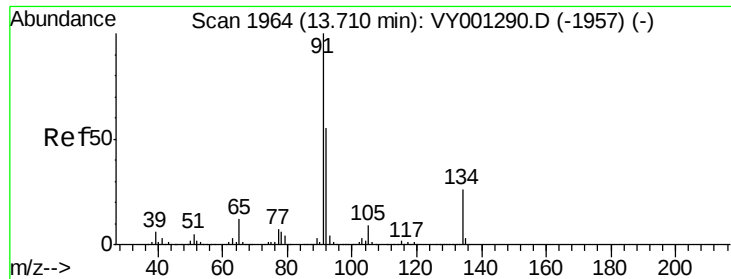
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#88
 1,4-Dichlorobenzene
 Concen: 5.053 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.5	20.8	62.5
148	66.0	32.0	96.2





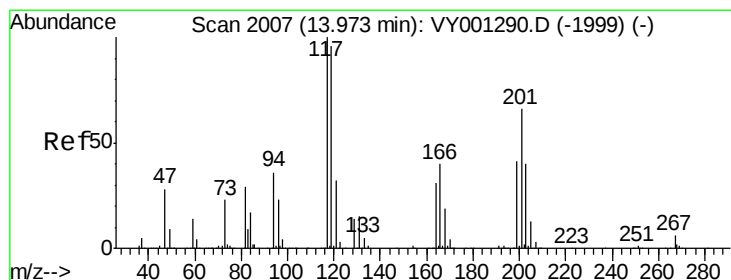
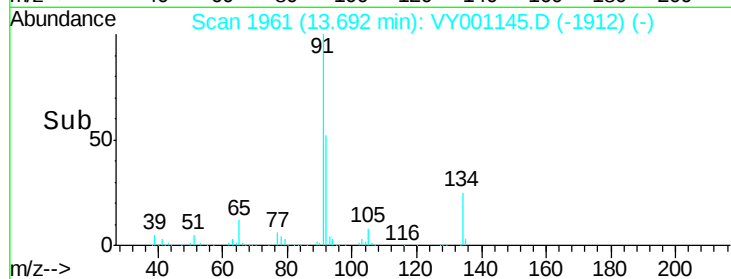
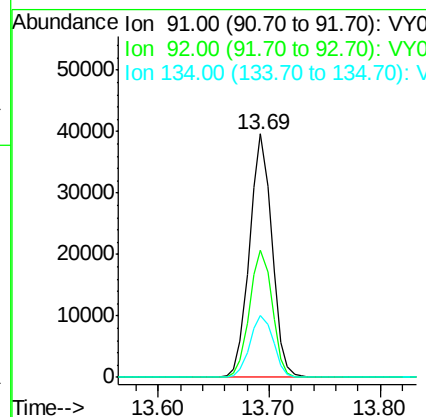
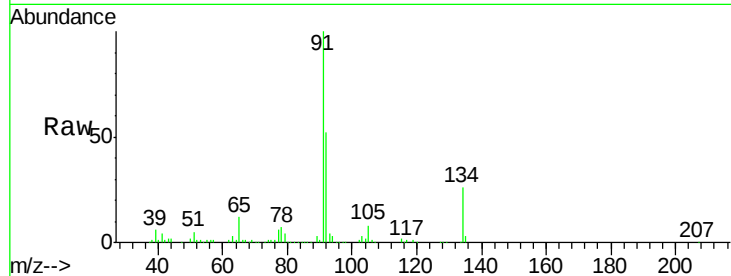
#89
n-Butylbenzene
Concen: 5.362 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	27.7	83.1
134	26.6	12.9	38.6

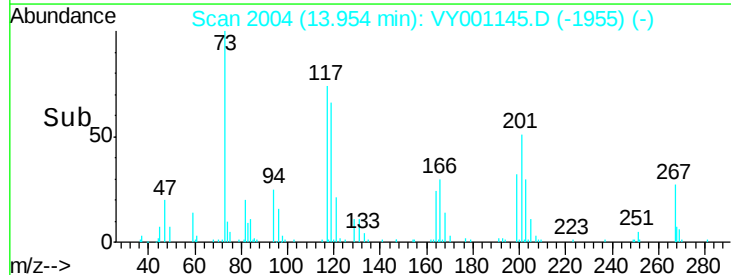
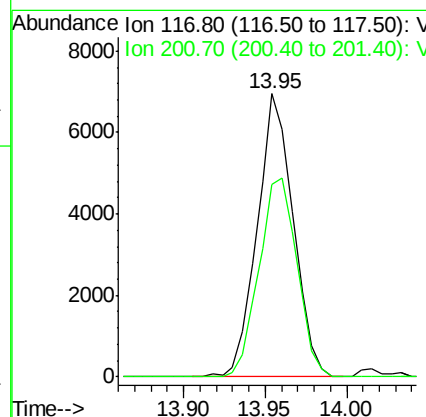
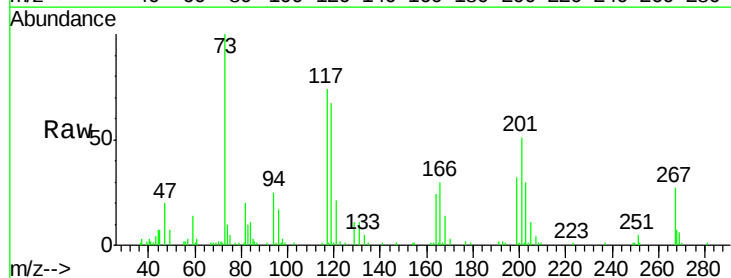
Manual Integrations
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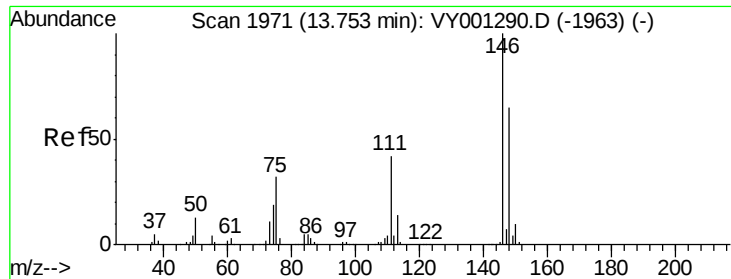
MMDadoda
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#90
Hexachloroethane
Concen: 5.242 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.3	35.4	106.2





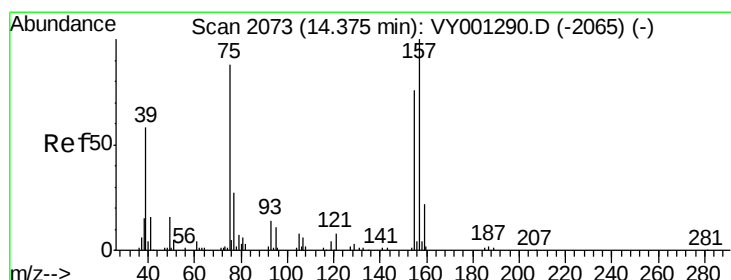
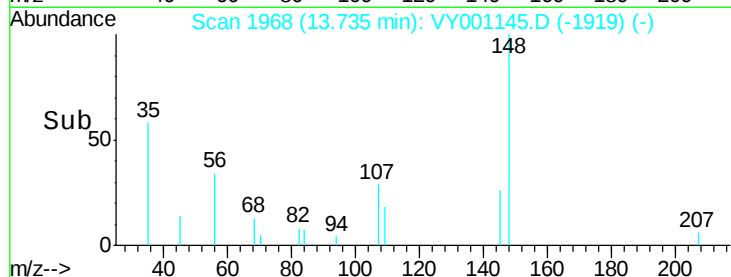
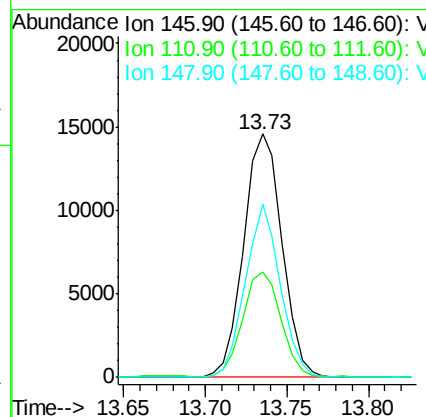
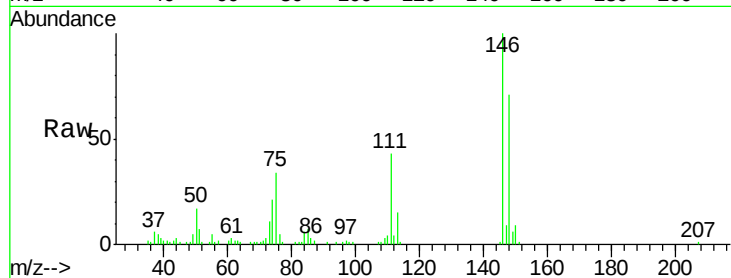
#91
 1,2-Dichlorobenzene
 Concen: 4.807 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	22.0	66.0
148	65.1	32.1	96.3

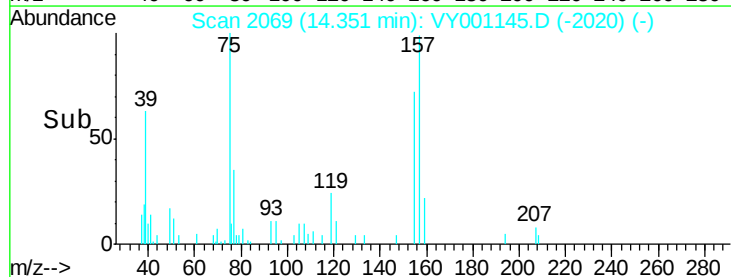
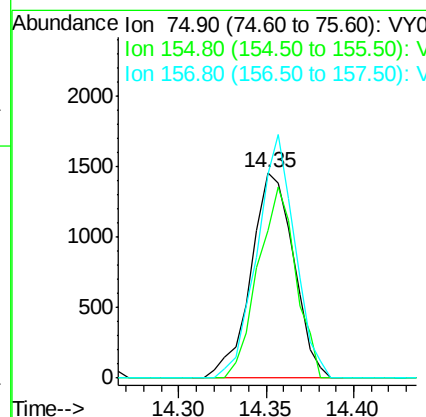
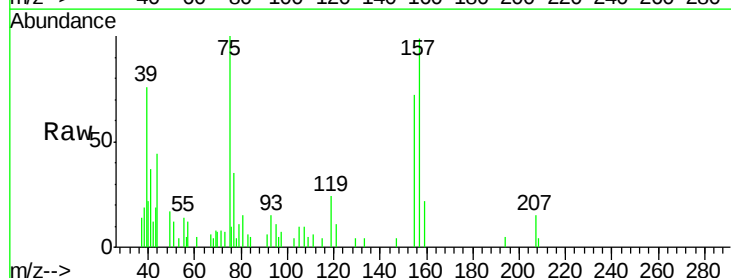
Manual Integrations
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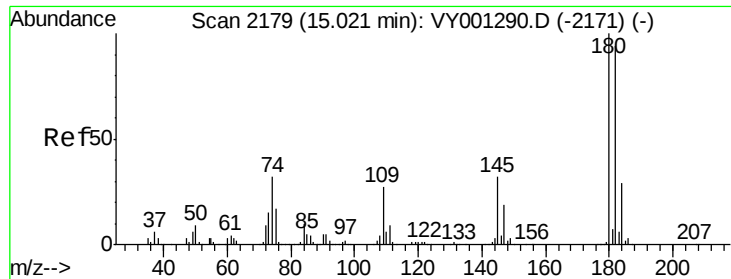
MMDadoda
 1/13/2020 12:38:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.278 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. -0.00 min
 Lab File: VY001145.D
 Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	41.2	123.6
157	105.0	52.8	158.4





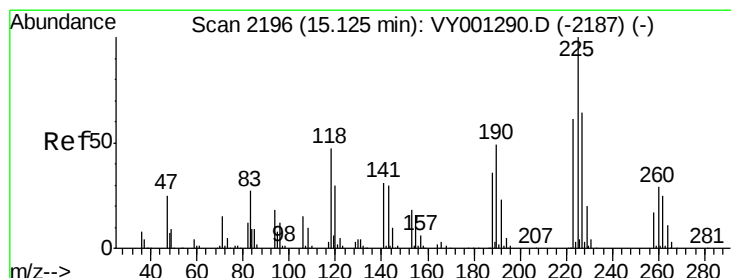
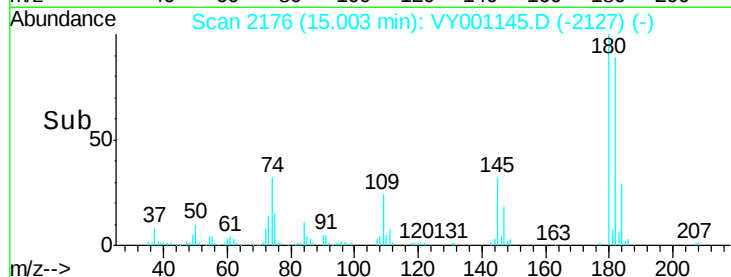
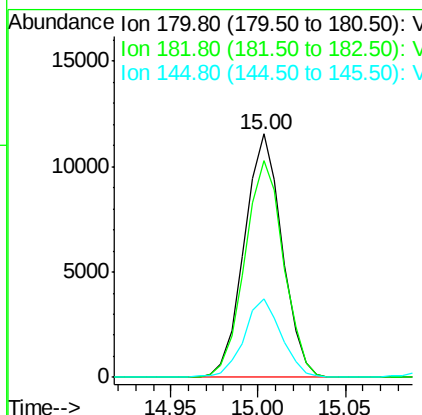
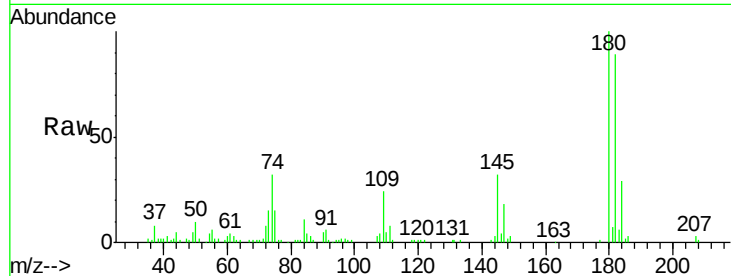
#93
1,2,4-Trichlorobenzene
Concen: 5.108 ug/l
RT: 15.00 min Scan# 2176
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.1	46.9	140.8
145	31.9	16.0	48.0

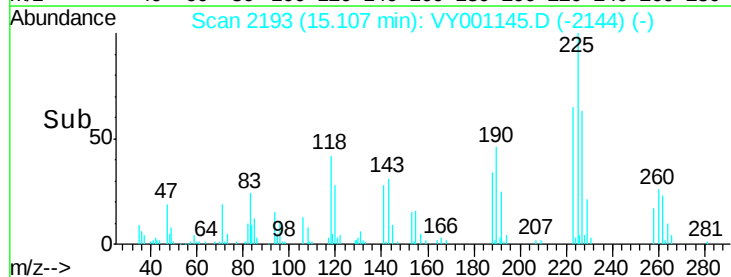
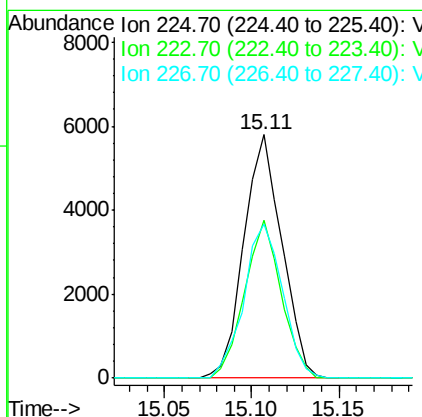
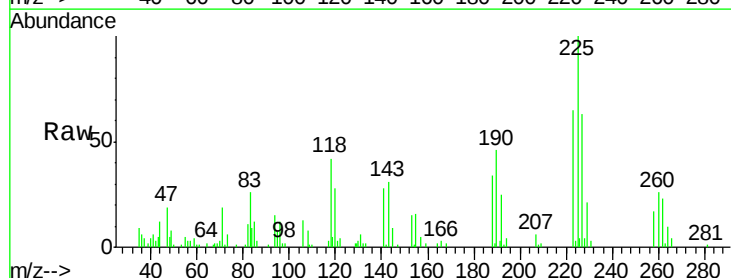
Manual Integrations
APPROVED

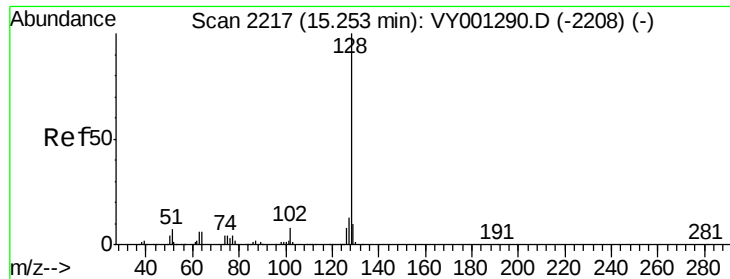
MMDadoda
1/13/2020 12:38:42 PM



#94
Hexachlorobutadiene
Concen: 5.109 ug/l
RT: 15.11 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	31.1	93.3
227	64.5	31.3	93.9





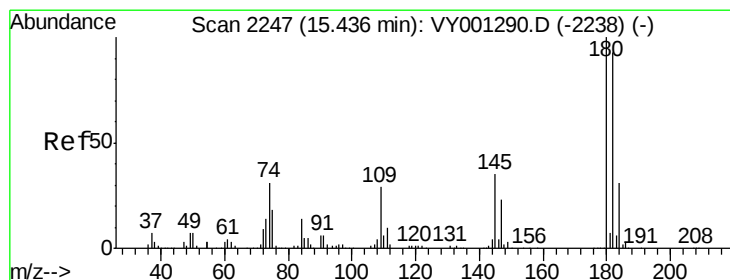
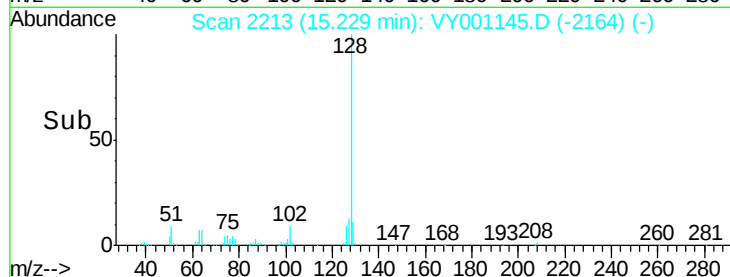
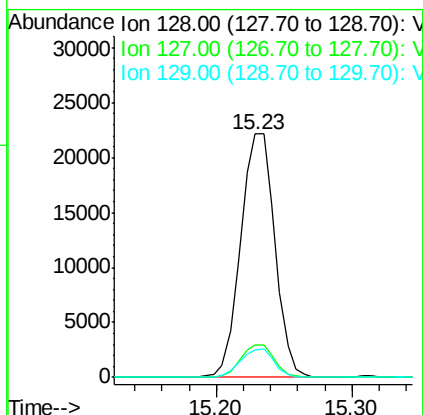
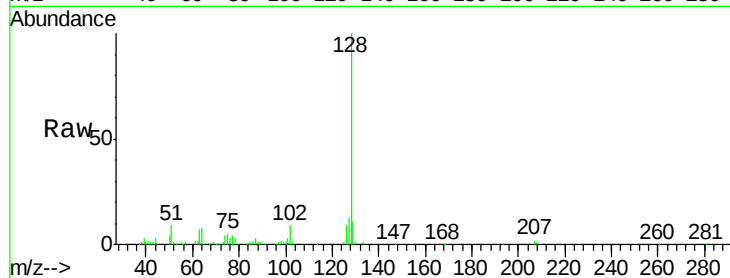
#95
Naphthalene
Concen: 4.993 ug/l
RT: 15.23 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.4	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:38:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.981 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001145.D
Acq: 10 Jan 2020 13:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.5	142.5
145	34.0	17.1	51.3

