

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001235.D
 Acq On : 15 Jan 2020 22:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:36:41 AM

Quant Time: Jan 16 06:38:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	180329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	330110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	296272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	141094	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	106524	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
35) Dibromofluoromethane	7.73	113	95526	49.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.84%	
50) Toluene-d8	10.18	98	389477	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
62) 4-Bromofluorobenzene	12.48	95	148828	48.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	71321	51.499	ug/l	99
3) Chloromethane	2.12	50	105194	52.696	ug/l	99
4) Vinyl Chloride	2.26	62	110648	55.019	ug/l	99
5) Bromomethane	2.65	94	77179	71.445	ug/l	95
6) Chloroethane	2.80	64	73532	63.288	ug/l	100
7) Trichlorofluoromethane	3.13	101	139414	49.803	ug/l	99
8) Diethyl Ether	3.54	74	62530	57.486	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.91	101	90300	50.114	ug/l	99
10) Methyl Iodide	4.10	142	130972	53.103	ug/l	99
11) Tert butyl alcohol	4.97	59	59045	308.124	ug/l	100
12) 1,1-Dichloroethene	3.88	96	95195	51.639	ug/l	98
13) Acrolein	3.74	56	44981	260.740	ug/l	100
14) Allyl chloride	4.49	41	169428	54.455	ug/l	99
15) Acrylonitrile	5.18	53	163221	300.036	ug/l	100
16) Acetone	3.96	43	139951	316.398	ug/l	98
17) Carbon Disulfide	4.20	76	310283	52.004	ug/l	98
18) Methyl Acetate	4.49	43	87397	59.761	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	291249	57.116	ug/l	99
20) Methylene Chloride	4.73	84	122662	60.687	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	112949	54.035	ug/l	97
22) Diisopropyl ether	6.13	45	363468	57.195	ug/l	99
23) Vinyl Acetate	6.07	43	1204533	296.375	ug/l	100
24) 1,1-Dichloroethane	6.04	63	194556	55.922	ug/l	99
25) 2-Butanone	7.00	43	219339	318.615	ug/l	99
26) 2,2-Dichloropropane	6.99	77	157242	49.150	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	128077	55.918	ug/l	99
28) Bromochloromethane	7.35	49	85560	59.890	ug/l	99
29) Tetrahydrofuran	7.36	42	145119	307.604	ug/l	96
30) Chloroform	7.52	83	189954	55.724	ug/l	96
31) Cyclohexane	7.79	56	180480	48.996	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	158135	52.283	ug/l	99
36) 1,1-Dichloropropene	7.93	75	148495	49.354	ug/l	100
37) Ethyl Acetate	7.09	43	96588	54.701	ug/l	98
38) Carbon Tetrachloride	7.91	117	134186	48.664	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	191368	46.915	ug/l	99
40) Benzene	8.17	78	463678	52.794	ug/l	100
41) Methacrylonitrile	7.32	41	43238m	52.129	ug/l	
42) 1,2-Dichloroethane	8.25	62	132039	53.690	ug/l	99
43) Isopropyl Acetate	8.28	43	190730	56.488	ug/l	98
44) Trichloroethene	8.94	130	119774	52.337	ug/l	96
45) 1,2-Dichloropropane	9.22	63	116994	53.883	ug/l	97
46) Dibromomethane	9.31	93	64767	54.670	ug/l	98
47) Bromodichloromethane	9.50	83	153887	53.300	ug/l	99
48) Methyl methacrylate	9.30	41	85983	55.029	ug/l	99
49) 1,4-Dioxane	9.30	88	18440	1278.131	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	488311	285.018	ug/l	99
52) Toluene	10.25	92	289665	51.710	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	169227	52.380	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	193705	53.178	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	93123	53.022	ug/l	97
56) Ethyl methacrylate	10.51	69	146786	54.637	ug/l	99
57) 1,3-Dichloropropane	10.79	76	165803	54.991	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	221324	234.233	ug/l	99
59) 2-Hexanone	10.83	43	349179	290.810	ug/l	98
60) Dibromochloromethane	10.99	129	107373	53.099	ug/l	99
61) 1,2-Dibromoethane	11.09	107	91520	53.367	ug/l	99
64) Tetrachloroethene	10.72	164	97178	50.883	ug/l	98
65) Chlorobenzene	11.52	112	304885	51.501	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	106718	52.303	ug/l	98
67) Ethyl Benzene	11.59	91	558954	51.614	ug/l	99
68) m/p-Xylenes	11.70	106	421694	103.224	ug/l	100
69) o-Xylene	12.03	106	202817	51.781	ug/l	98
70) Styrene	12.04	104	362731	52.780	ug/l	99
71) Bromoform	12.20	173	66801	53.089	ug/l #	99
73) Isopropylbenzene	12.33	105	533798	50.325	ug/l	100
74) N-amyl acetate	12.14	43	183973	55.576	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	120533	54.011	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	83907m	55.552	ug/l	
77) Bromobenzene	12.61	156	122204	52.140	ug/l	99
78) n-propylbenzene	12.67	91	644748	50.534	ug/l	100
79) 2-Chlorotoluene	12.75	91	372234	50.801	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	451982	51.070	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	44201	49.625	ug/l #	97
82) 4-Chlorotoluene	12.85	91	397790	50.852	ug/l	100
83) tert-Butylbenzene	13.07	119	385959	51.900	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	456337	51.922	ug/l	100
85) sec-Butylbenzene	13.25	105	540105	50.485	ug/l	99
86) p-Isopropyltoluene	13.37	119	475635	51.206	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	233820	52.751	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	236163	51.768	ug/l	99
89) n-Butylbenzene	13.69	91	469210	50.154	ug/l	99
90) Hexachloroethane	13.96	117	92421	50.921	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	216214	52.485	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.35	75	21006	52.181	ug/l	99

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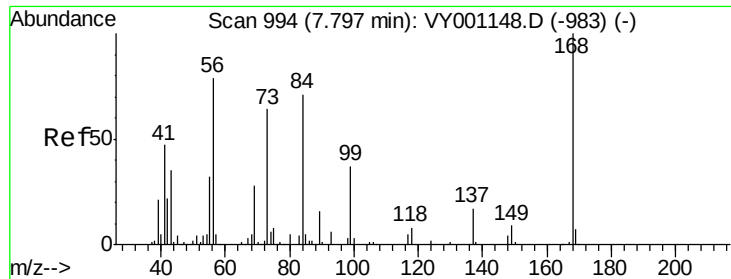
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	138789	51.134	ug/l	100
94) Hexachlorobutadiene	15.11	225	64973	47.517	ug/l	98
95) Naphthalene	15.23	128	333753	52.819	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	122778	51.327	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 180329

Ion Ratio Lower Upper

168 100

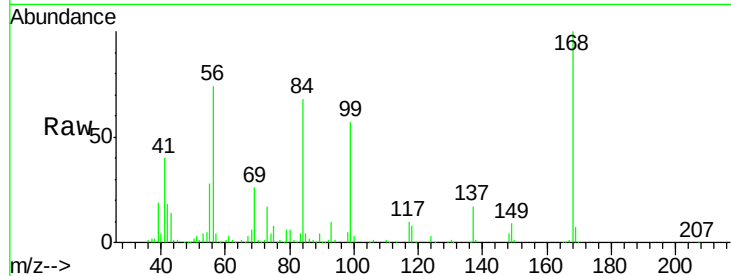
99 56.8 47.9 71.9

Manual Integrations

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1/16/2020 9:36:41 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001148.D (-983) (-)

7.80

80000

60000

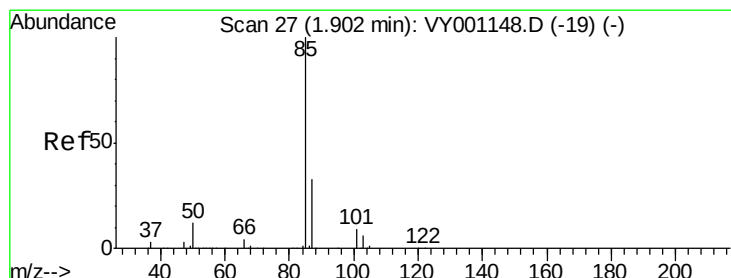
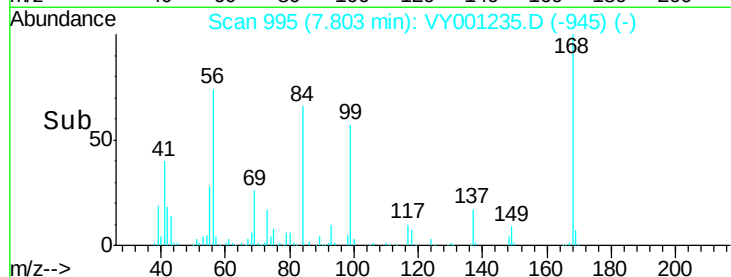
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.499 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001235.D

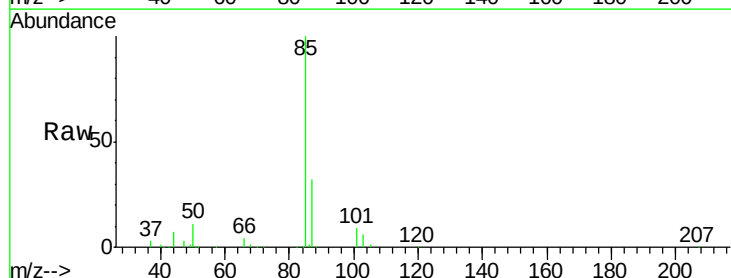
Acq: 15 Jan 2020 22:15

Tgt Ion: 85 Resp: 71321

Ion Ratio Lower Upper

85 100

87 32.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001148.D (-19) (-)

1.90

60000

50000

40000

30000

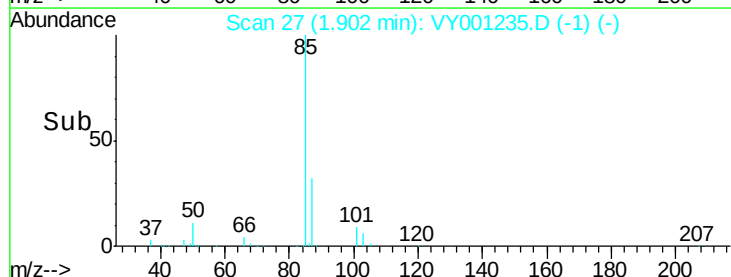
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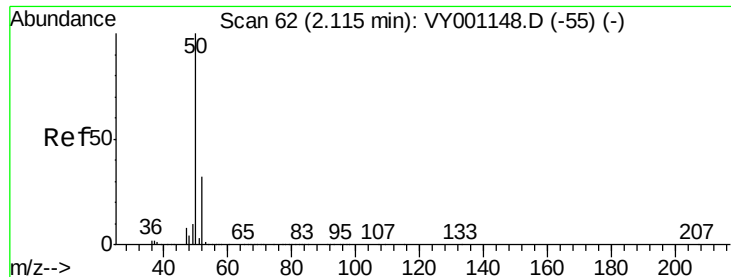
10000

0

1.80 1.90 2.00

Time-->





#3

Chloromethane

Concen: 52.696 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 105194

Ion Ratio Lower Upper

50 100

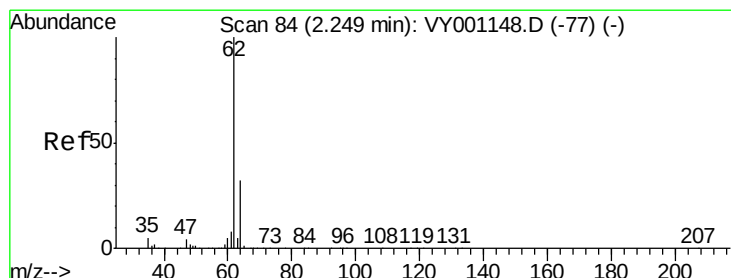
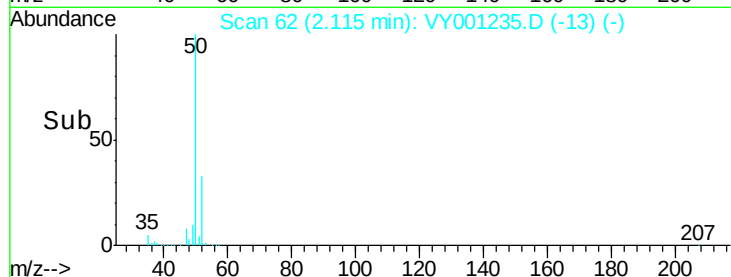
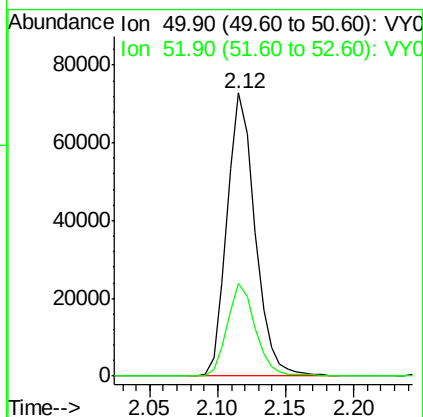
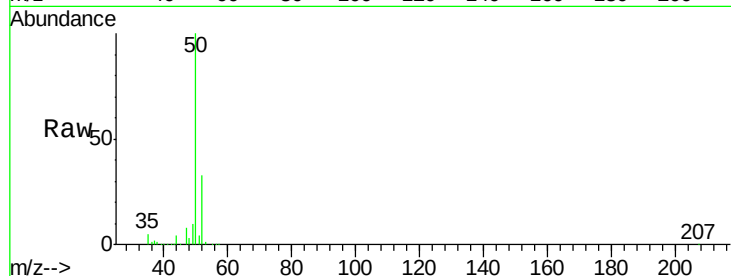
52 32.8 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.019 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001235.D

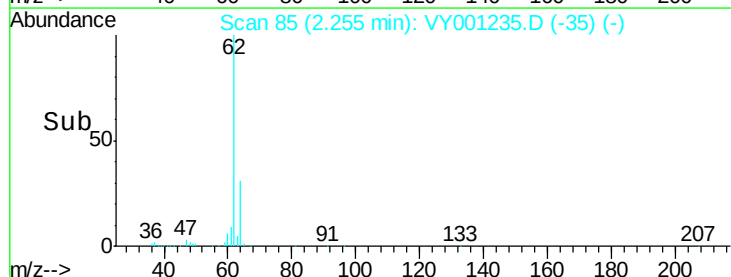
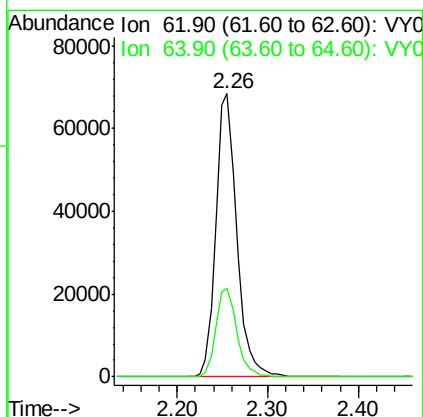
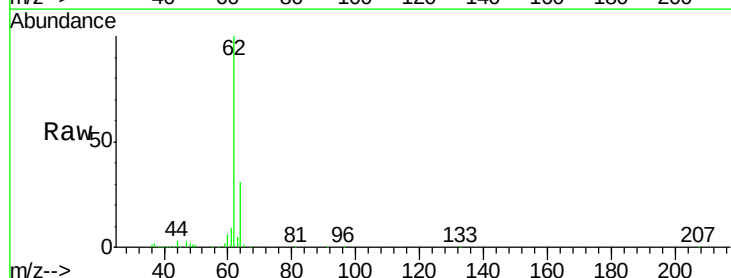
Acq: 15 Jan 2020 22:15

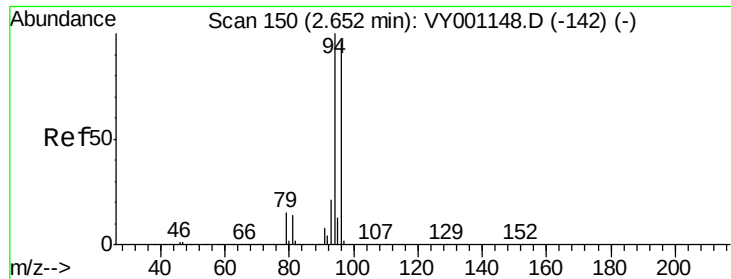
Tgt Ion: 62 Resp: 110648

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8





#5

Bromomethane

Concen: 71.445 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77179

Ion Ratio Lower Upper

94 100

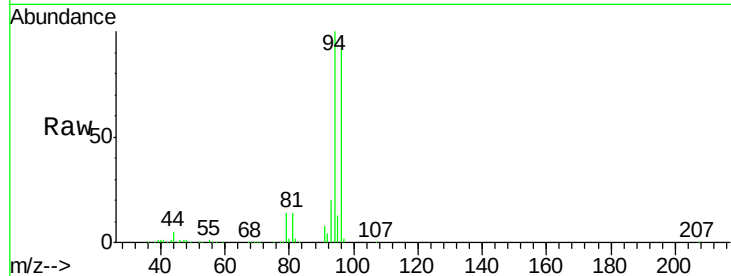
96 91.6 77.3 115.9

Manual Integrations

APPROVED

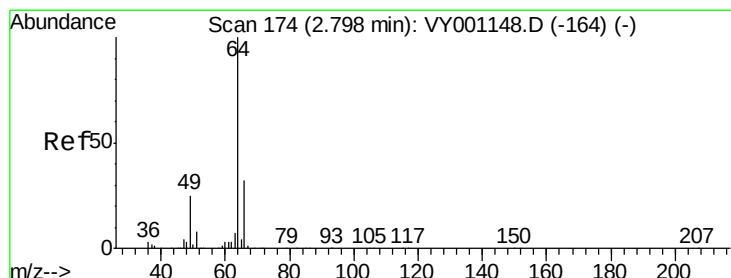
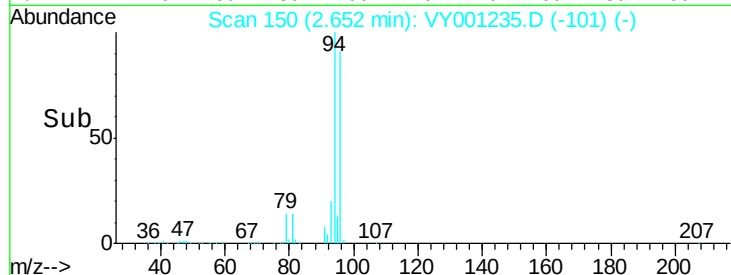
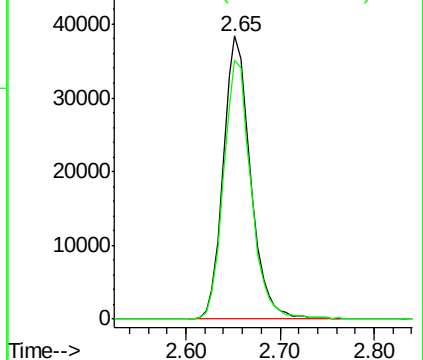
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 63.288 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001235.D

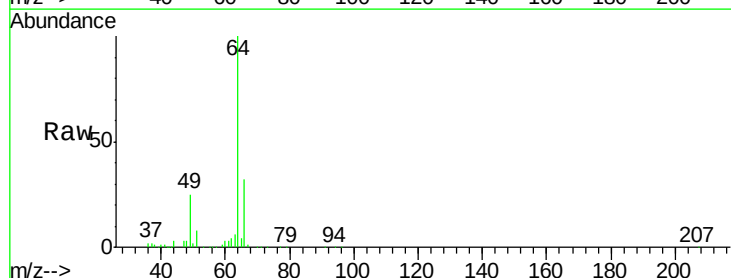
Acq: 15 Jan 2020 22:15

Tgt Ion: 64 Resp: 73532

Ion Ratio Lower Upper

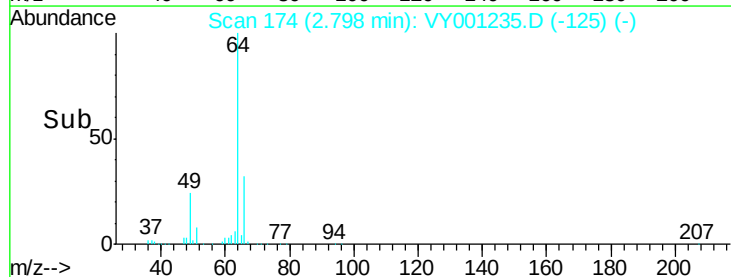
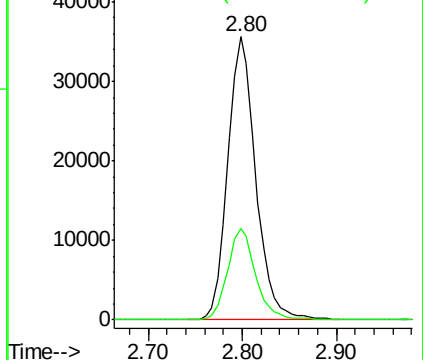
64 100

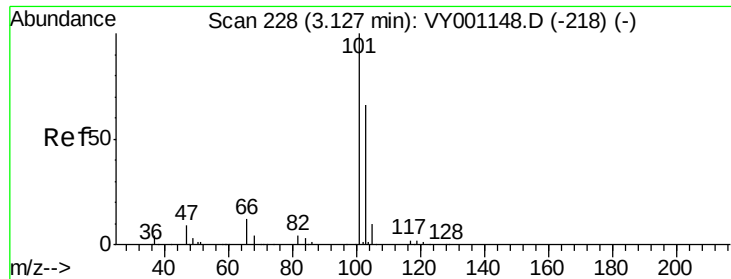
66 32.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

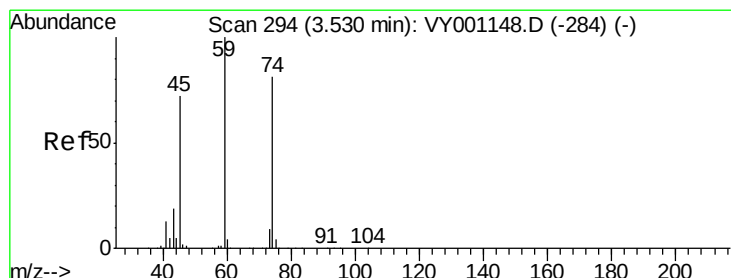
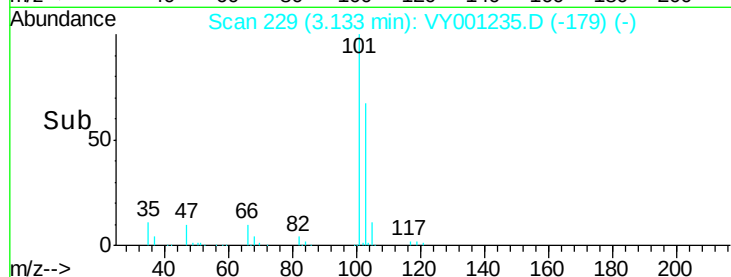
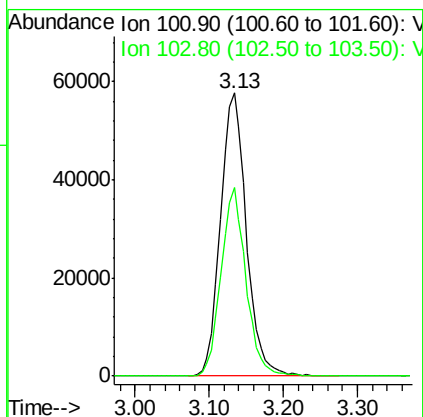
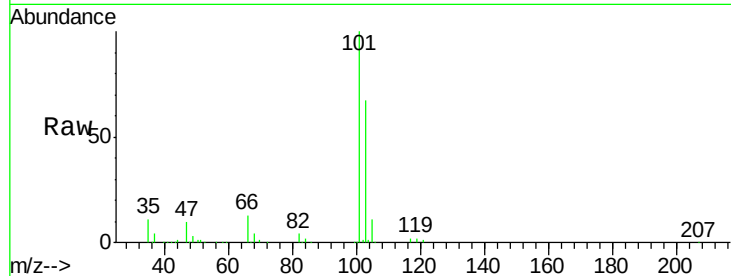
Trichlorofluoromethane
Concen: 49.803 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.6	79.0

Manual Integrations
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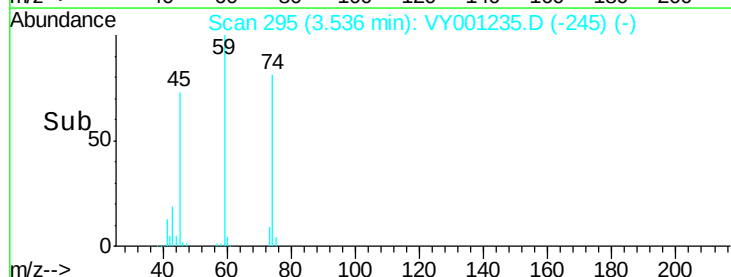
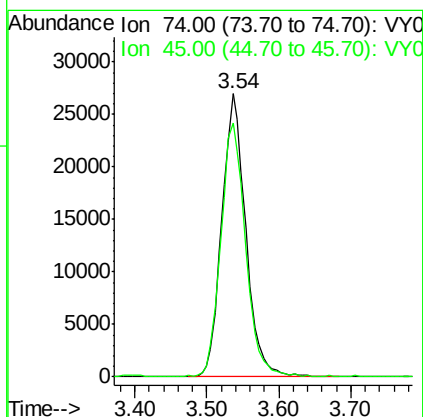
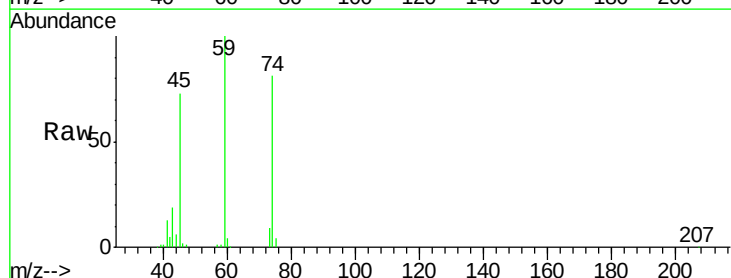
MMDadoda
1/16/2020 9:36:41 AM

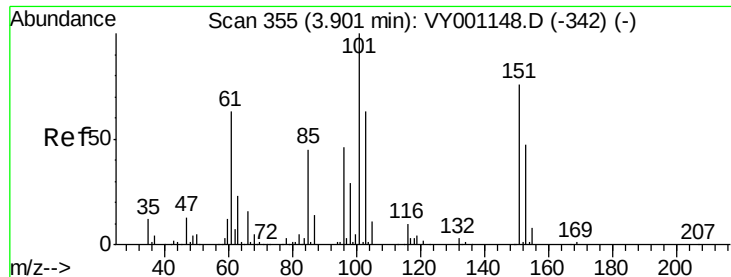


#8

Diethyl Ether
Concen: 57.486 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.114 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

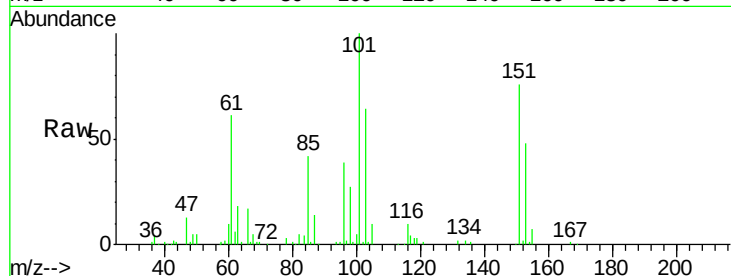
ClientSampleId :

VSTDCCC050

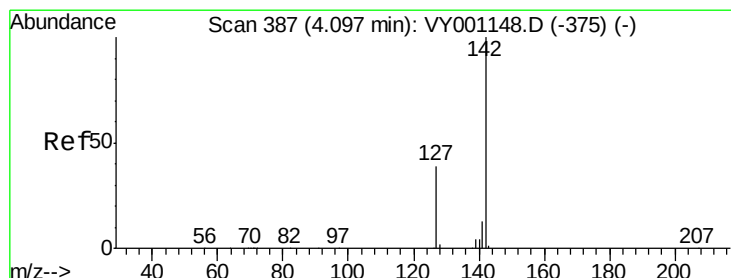
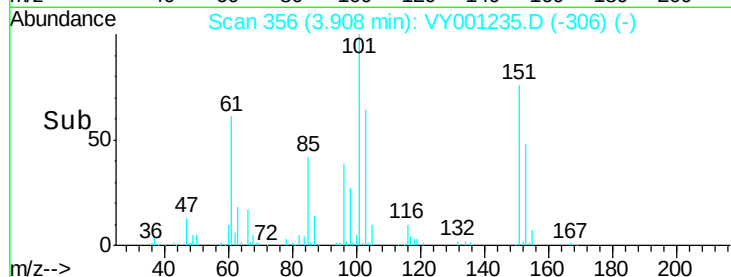
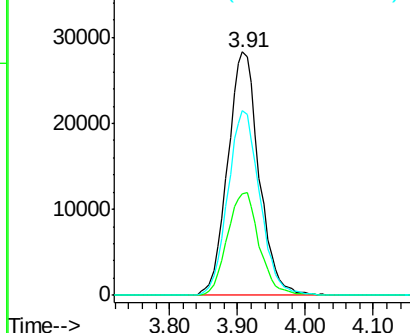
Tot Ion:	101	Resp:	90300
Ion Ratio	Lower	Upper	
101	100		
85	42.9	35.2	52.8
151	77.5	61.4	92.2

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



#10

Methyl Iodide

Concen: 53.103 ug/l

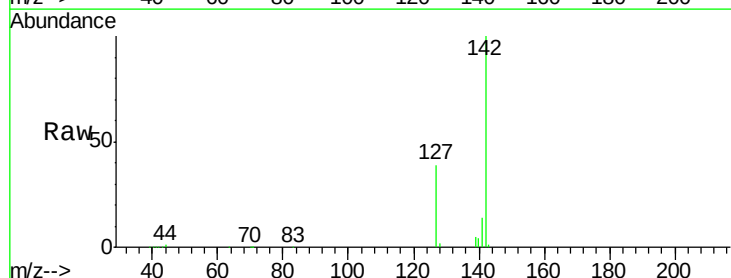
RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

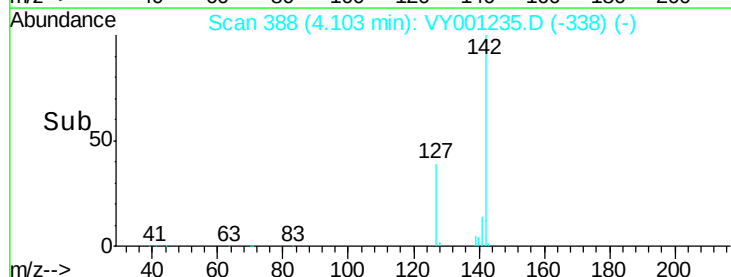
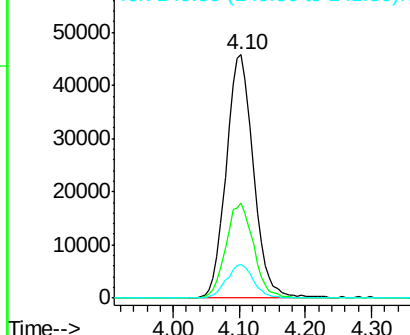
Lab File: VY001235.D

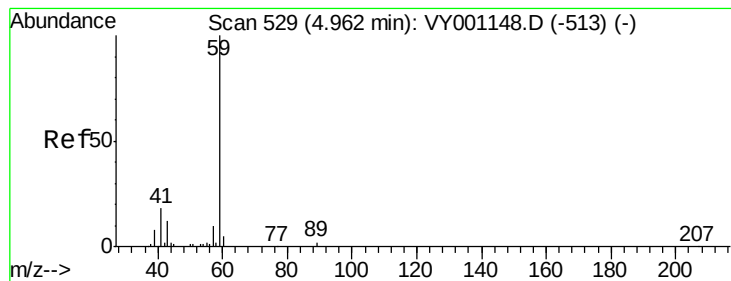
Acq: 15 Jan 2020 22:15

Tgt Ion:	142	Resp:	130972
Ion Ratio	Lower	Upper	
142	100		
127	39.6	30.8	46.2
141	13.8	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

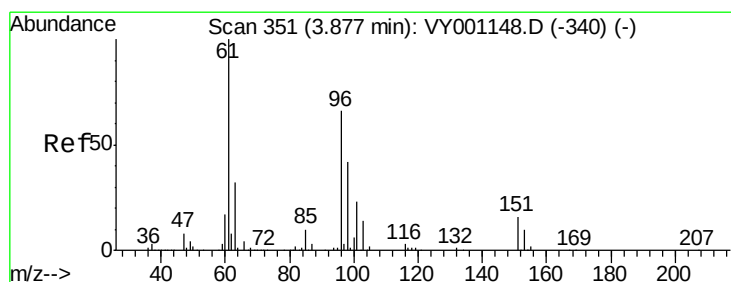
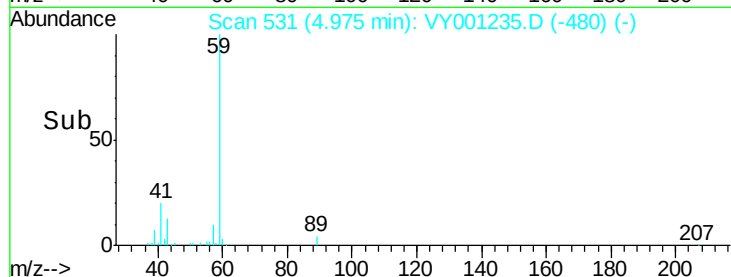
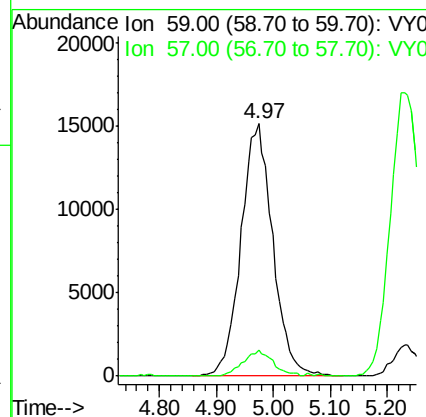
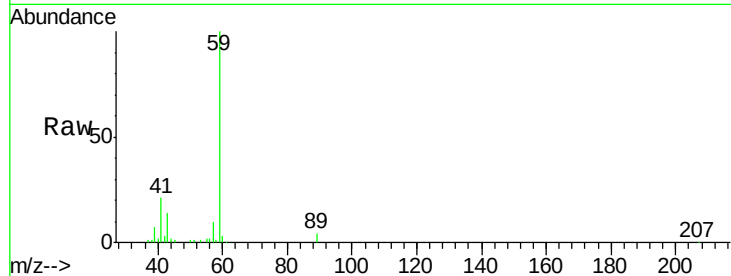
Tert butyl alcohol
Concen: 308.124 ug/l
RT: 4.97 min Scan# 531
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.8	11.8

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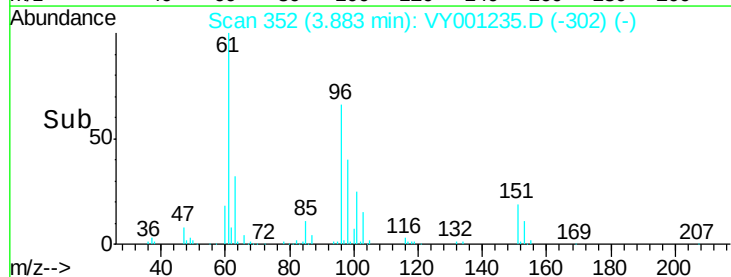
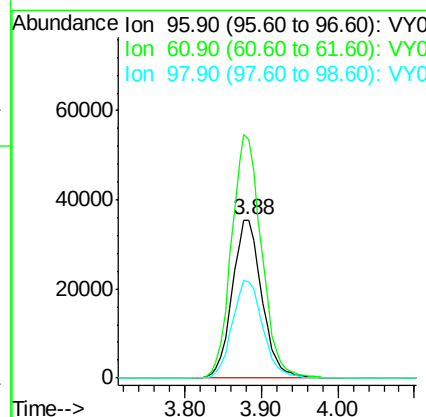
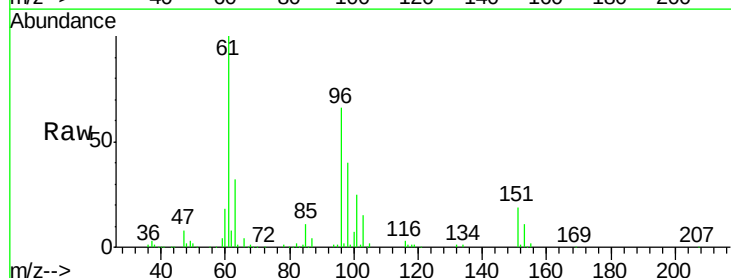
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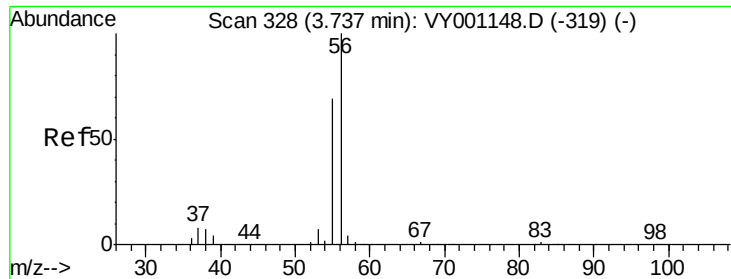


#12

1,1-Dichloroethene
Concen: 51.639 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.6	122.1	183.1
98	60.5	51.0	76.6





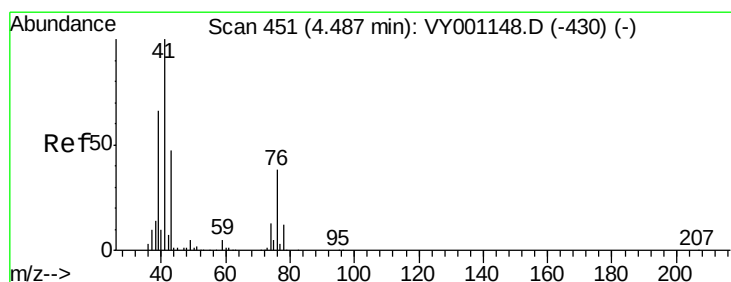
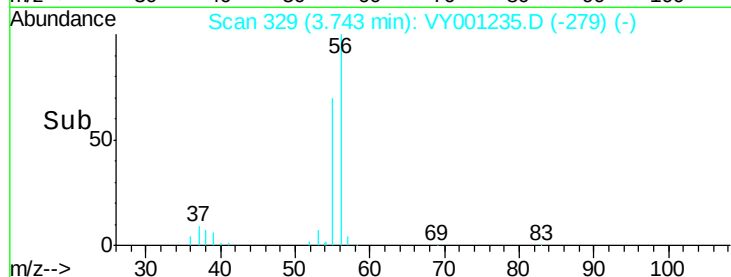
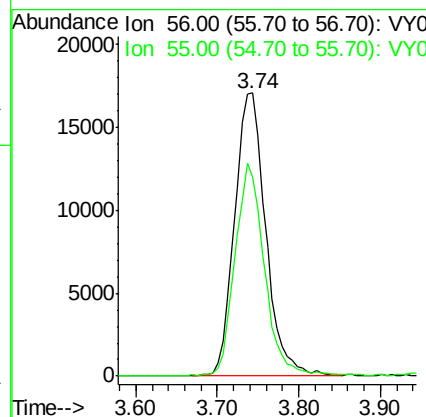
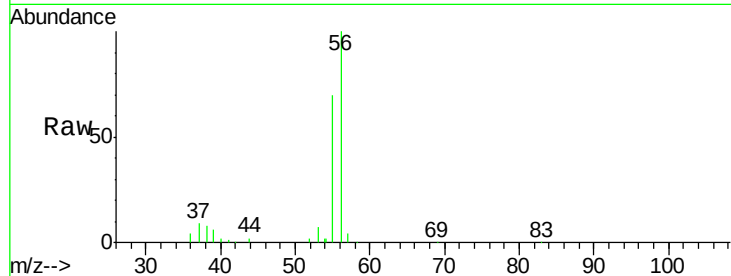
#13
Acrolein
Concen: 260.740 ug/l
RT: 3.74 min Scan# 329
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	Lower	Upper
44981	100	71.1		56.7	85.1

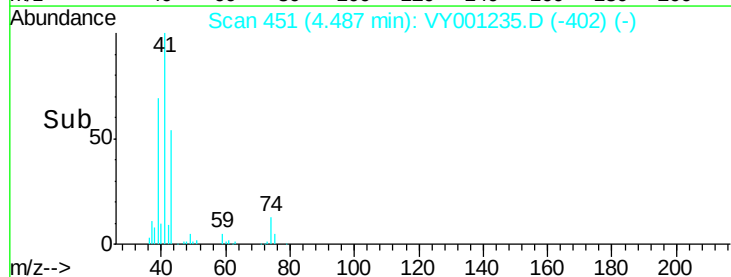
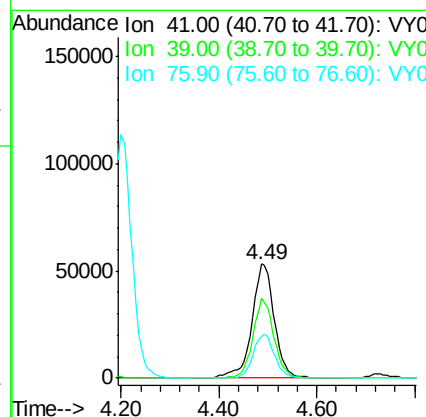
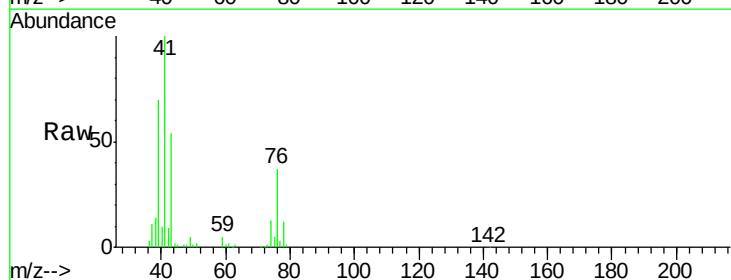
Manual Integrations
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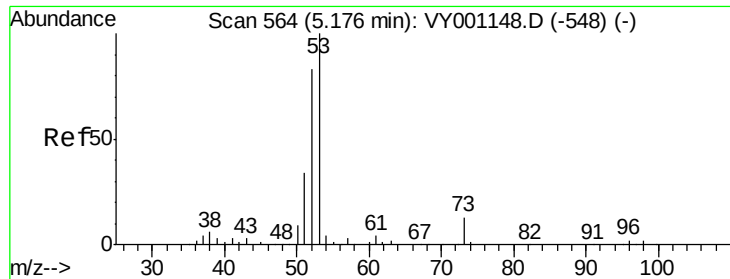
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#14
Allyl chloride
Concen: 54.455 ug/l
RT: 4.49 min Scan# 451
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	41	39	76	Ratio	Lower	Upper
169428	100	65.5	36.4		52.6	78.8





#15

Acrylonitrile

Concen: 300.036 ug/l

RT: 5.18 min Scan# 564

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

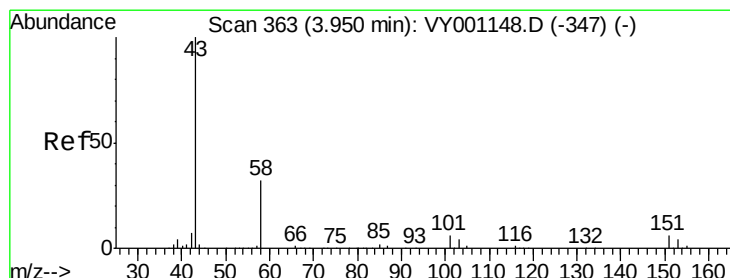
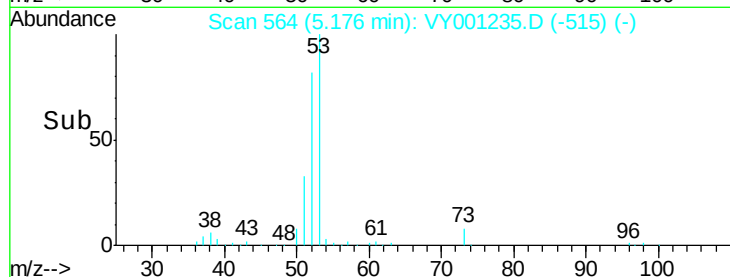
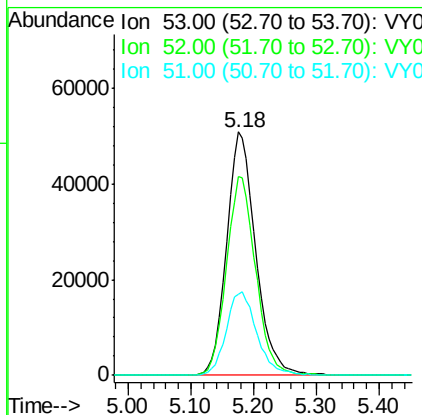
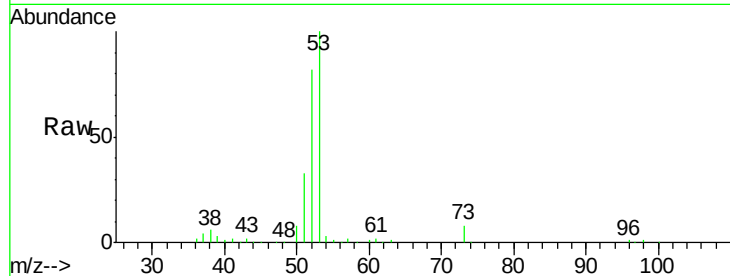
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	163221
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	36.2	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 316.398 ug/l

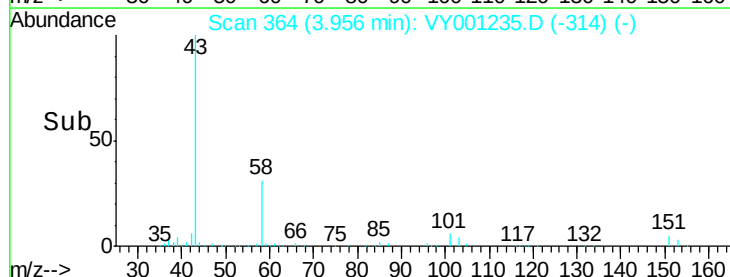
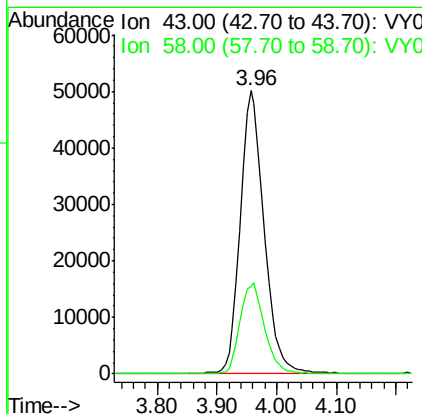
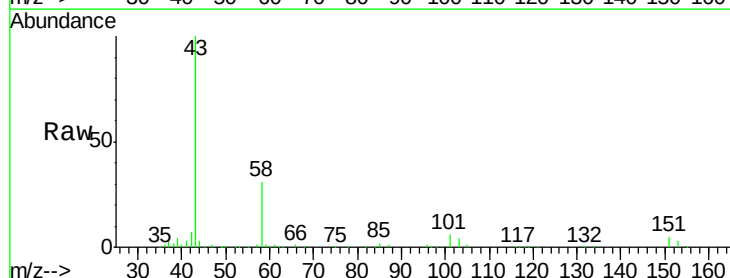
RT: 3.96 min Scan# 364

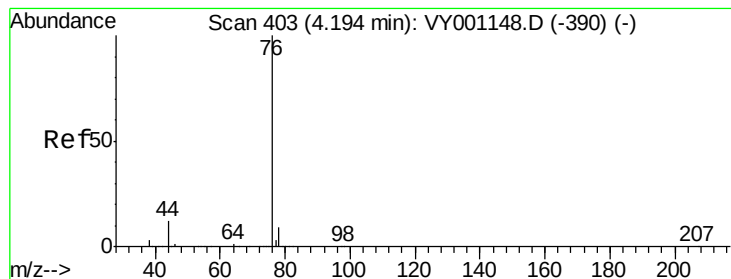
Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Tgt Ion:	43	Resp:	139951
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.8	38.6





#17

Carbon Disulfide

Concen: 52.004 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 310283

Ion Ratio Lower Upper

76 100

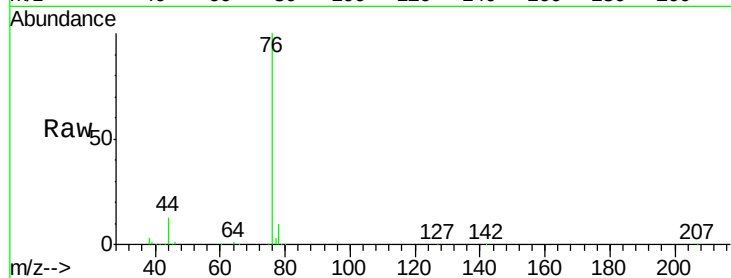
78 9.6 7.2 10.8

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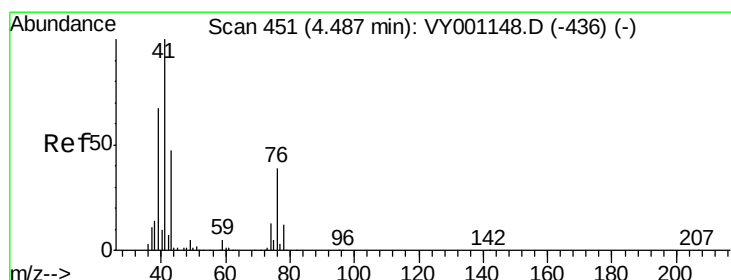
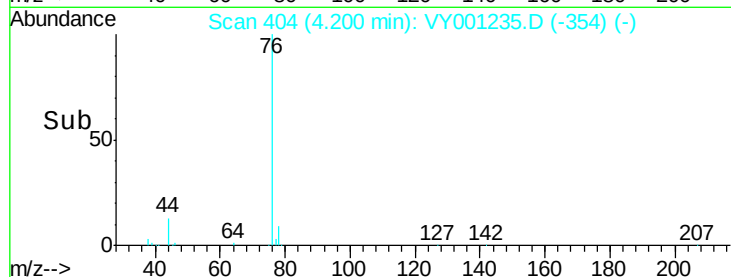
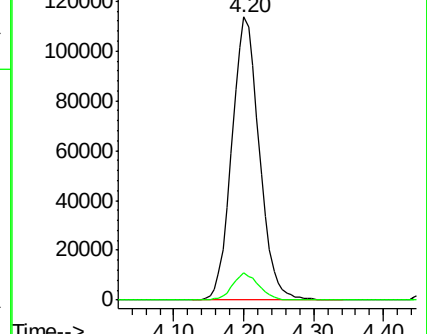
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 59.761 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY001235.D

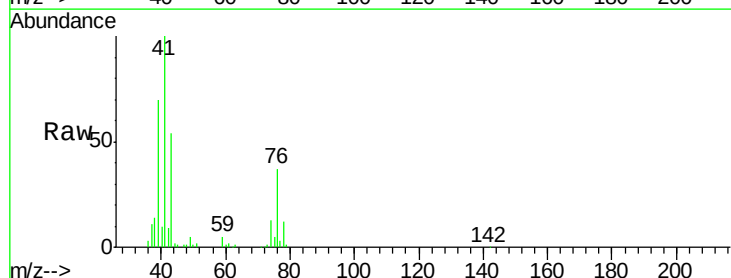
Acq: 15 Jan 2020 22:15

Tgt Ion: 43 Resp: 87397

Ion Ratio Lower Upper

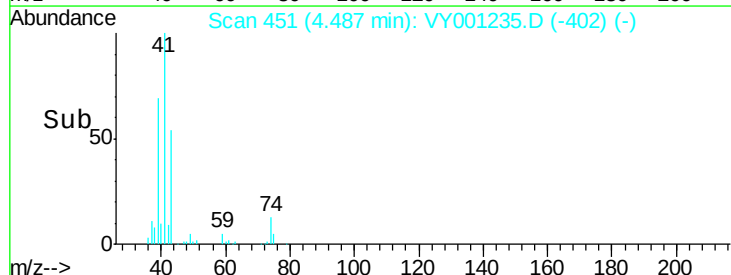
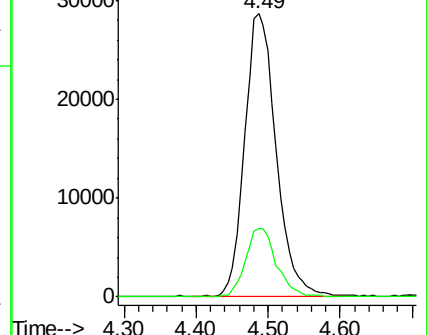
43 100

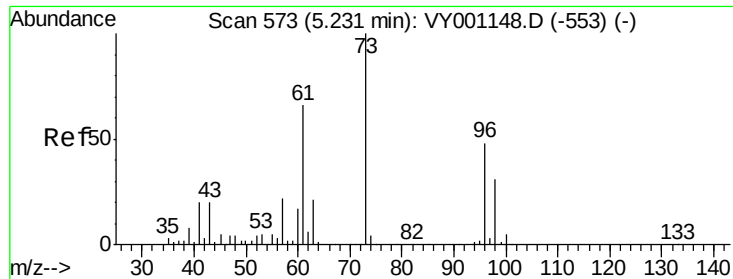
74 23.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





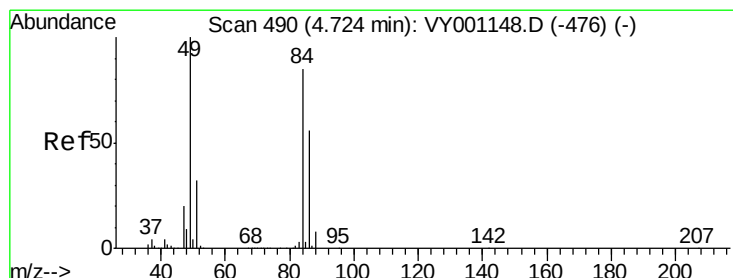
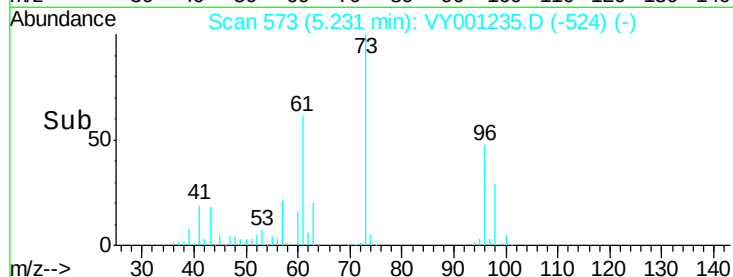
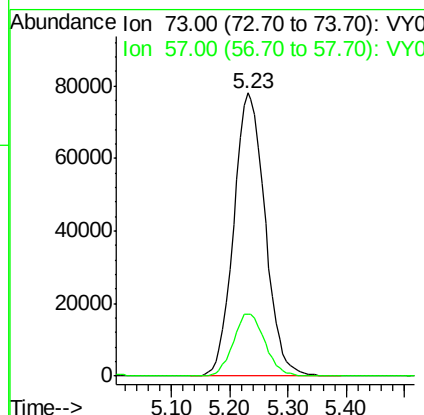
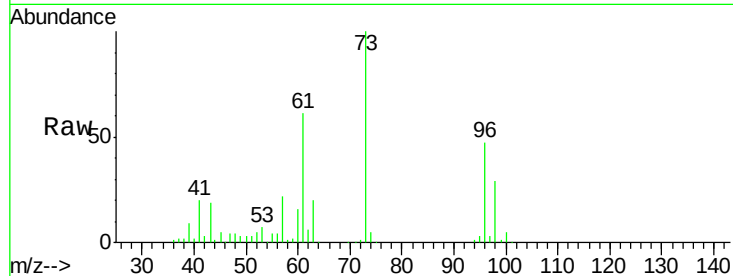
#19
Methyl tert-butyl Ether
Concen: 57.116 ug/l
RT: 5.23 min Scan# 573
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	17.8	26.6

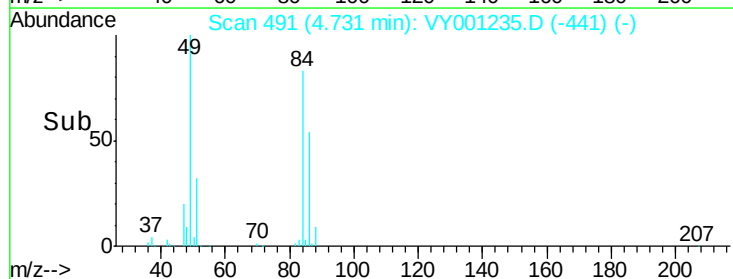
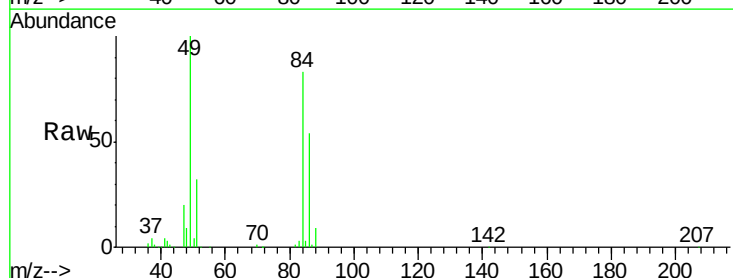
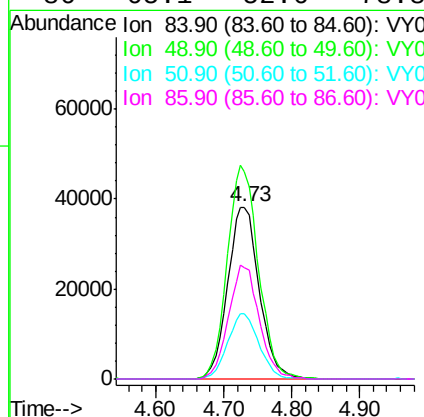
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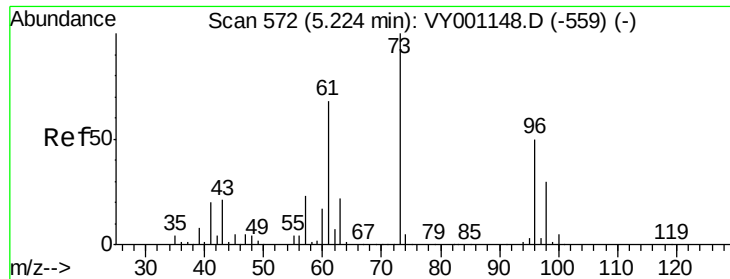
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#20
Methylene Chloride
Concen: 60.687 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	120.3	93.8	140.6
51	38.3	29.9	44.9
86	65.1	52.6	78.8





#21

trans-1,2-Dichloroethene

Concen: 54.035 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 112949

Ion Ratio Lower Upper

96 100

61 130.8 107.6 161.4

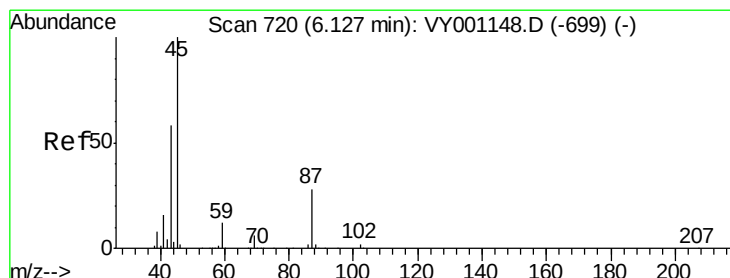
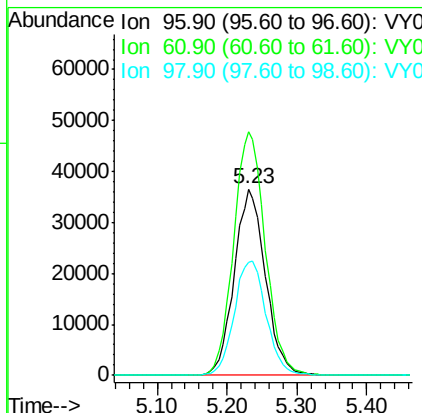
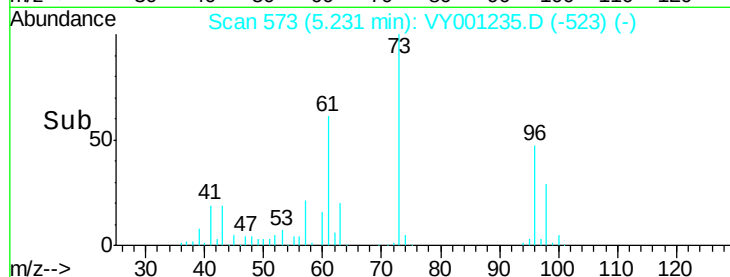
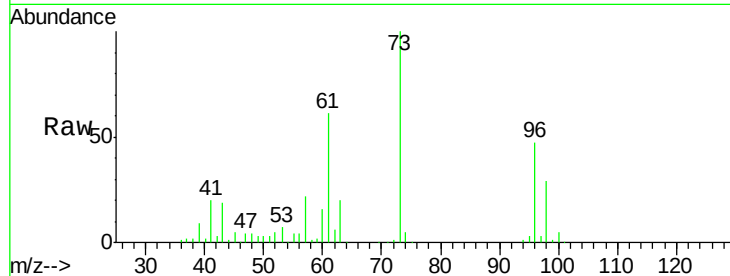
98 60.9 47.6 71.4

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#22

Diisopropyl ether

Concen: 57.195 ug/l

RT: 6.13 min Scan# 721

Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Tgt Ion: 45 Resp: 363468

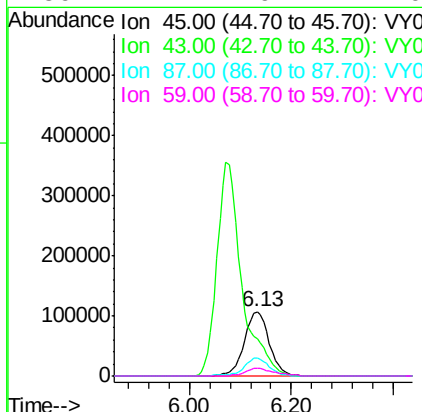
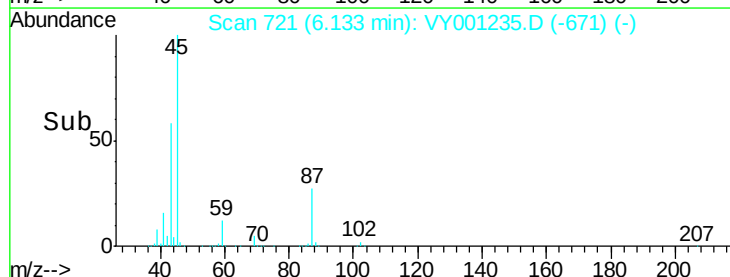
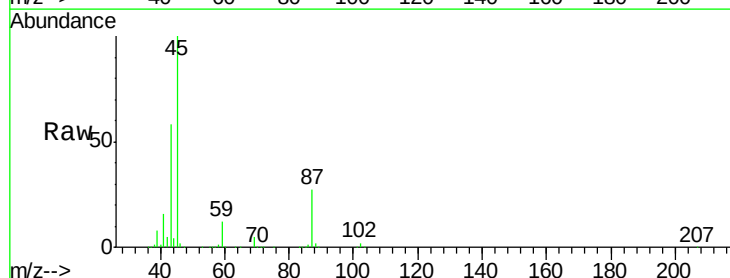
Ion Ratio Lower Upper

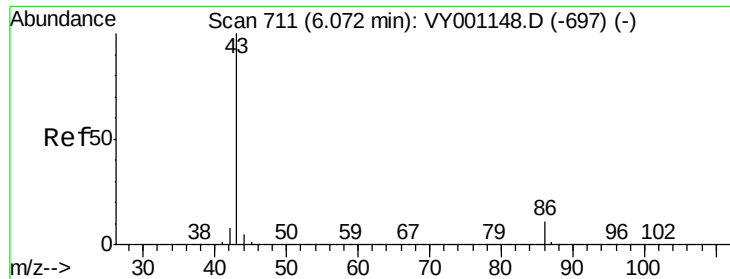
45 100

43 57.6 46.5 69.7

87 27.3 22.5 33.7

59 12.1 9.4 14.0





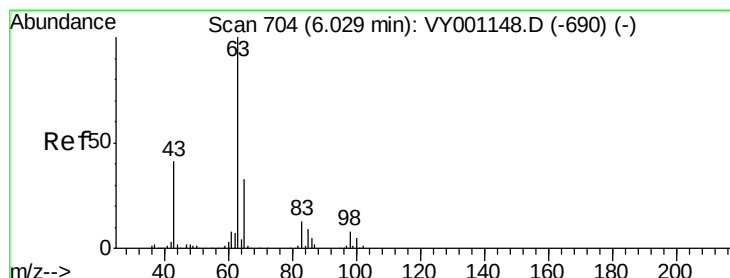
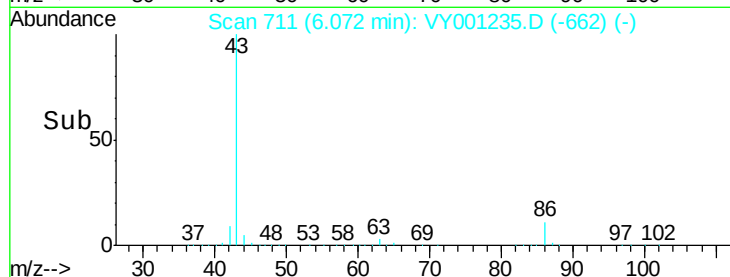
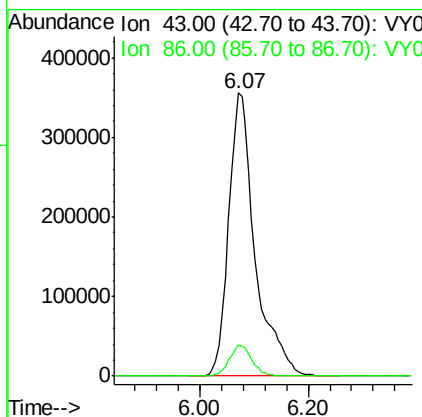
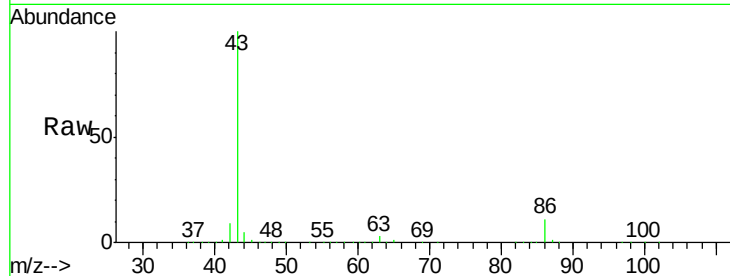
#23
 Vinyl Acetate
 Concen: 296.375 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1204533
 Ion Ratio Lower Upper
 43 100
 86 11.1 9.0 13.4

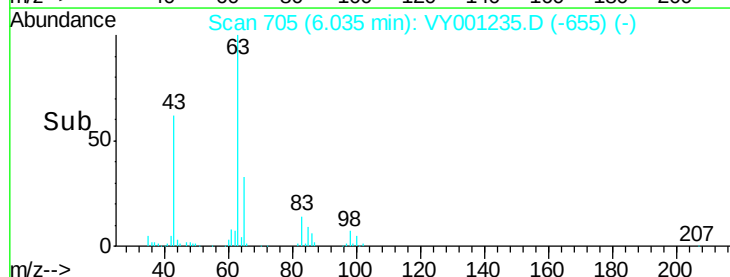
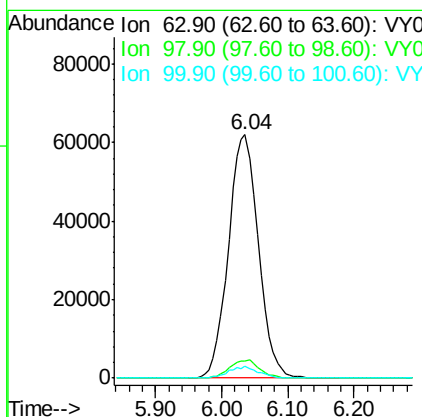
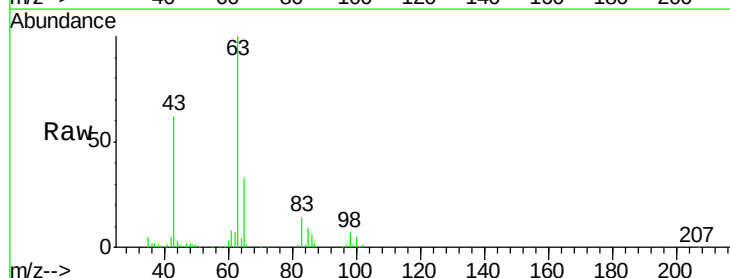
Manual Integrations
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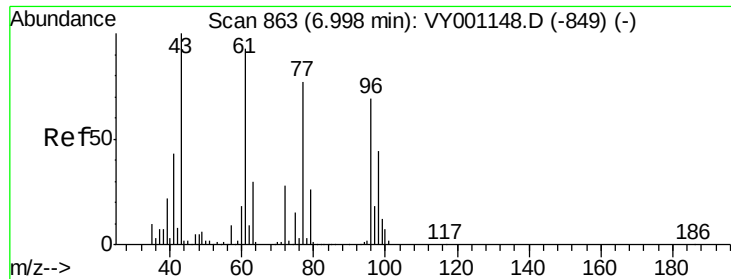
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#24
 1,1-Dichloroethane
 Concen: 55.922 ug/l
 RT: 6.04 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion: 63 Resp: 194556
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.9 11.7
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 318.615 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 219339

Ion Ratio Lower Upper

43 100

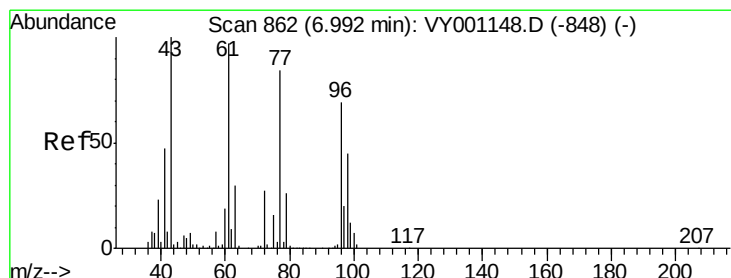
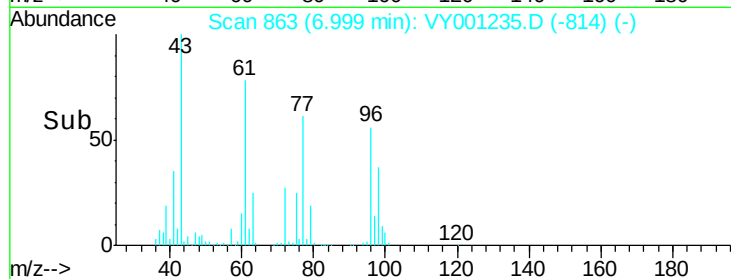
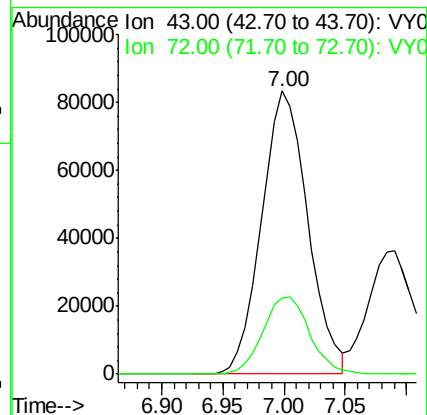
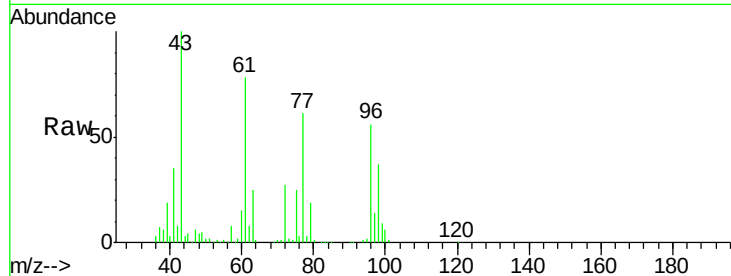
72 27.0 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.150 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001235.D

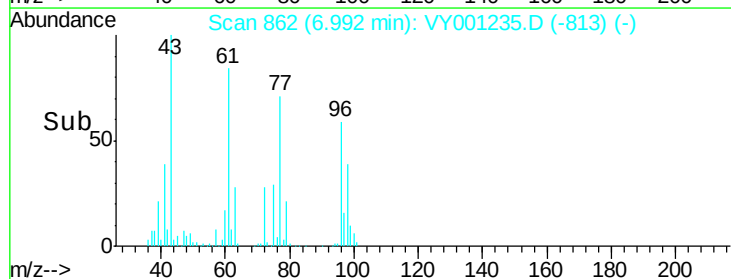
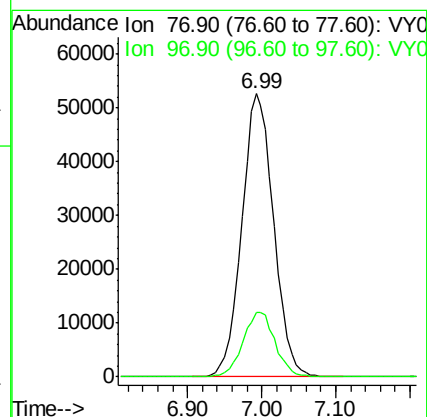
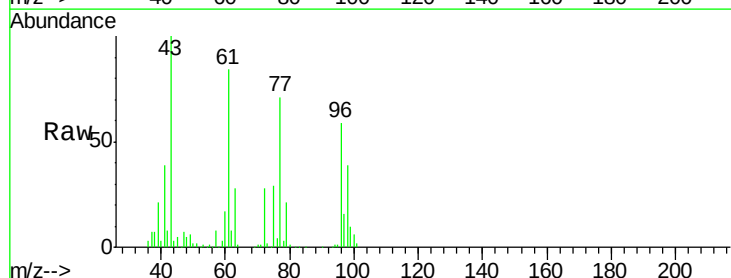
Acq: 15 Jan 2020 22:15

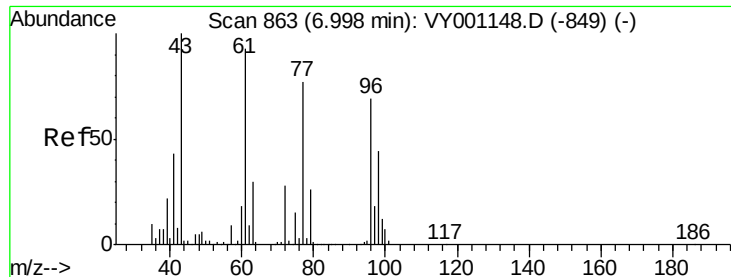
Tgt Ion: 77 Resp: 157242

Ion Ratio Lower Upper

77 100

97 23.1 11.9 35.7





#27

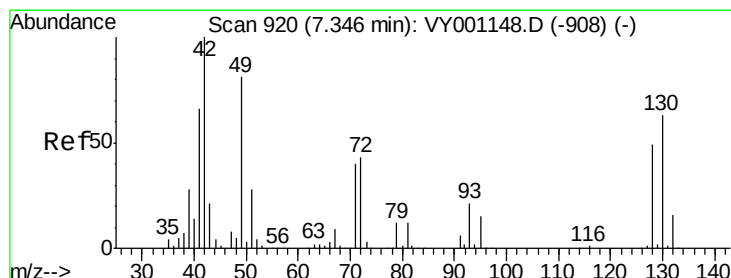
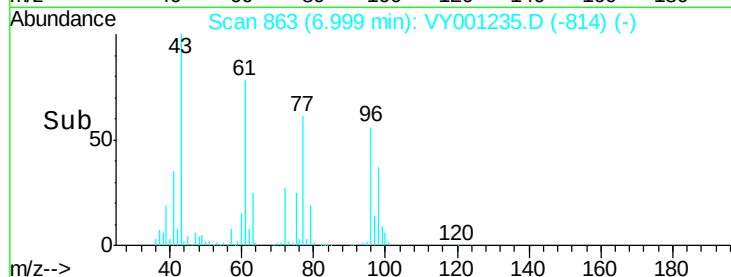
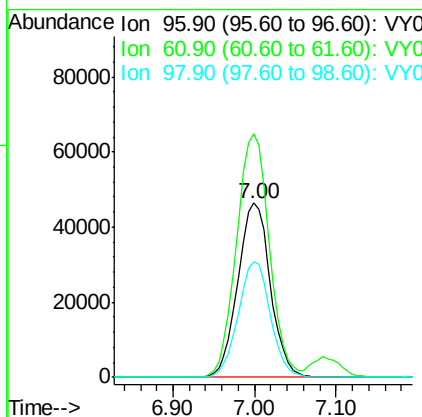
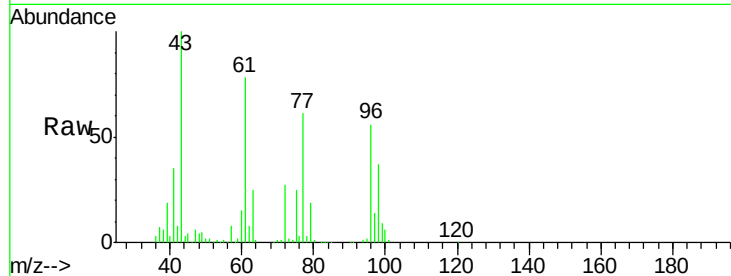
cis-1,2-Dichloroethene
Concen: 55.918 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.9	0.0	284.0
98	65.6	0.0	130.2

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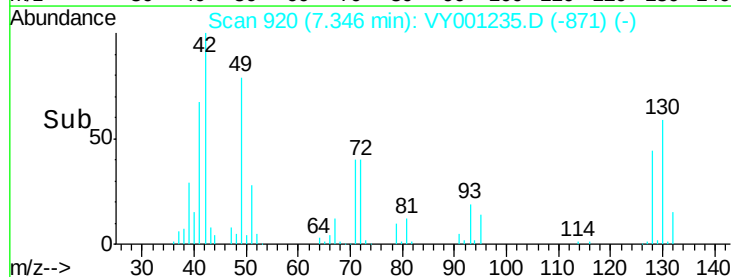
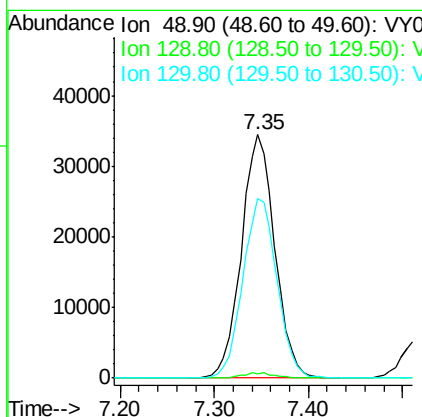
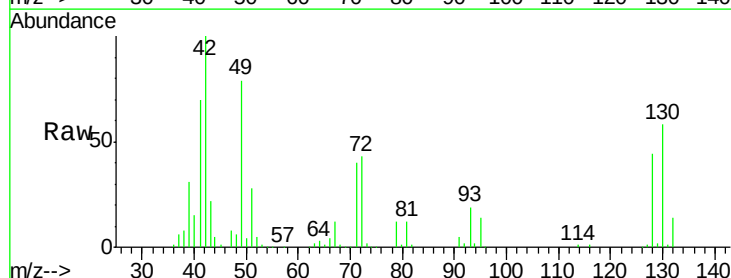
MMDadoda
1/16/2020 9:36:41 AM

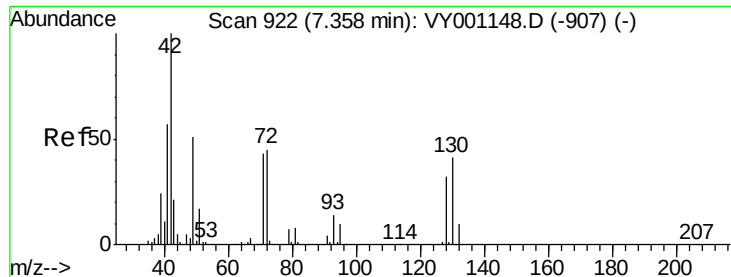


#28

Bromochloromethane
Concen: 59.890 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	75.3	61.2	91.8





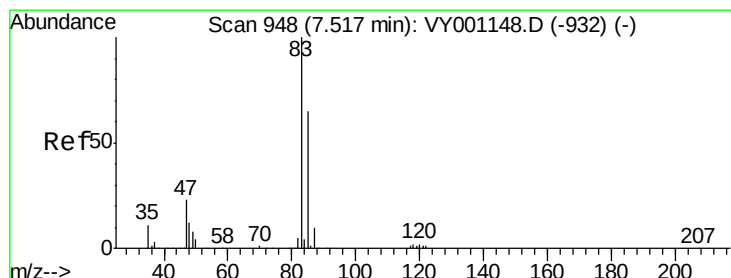
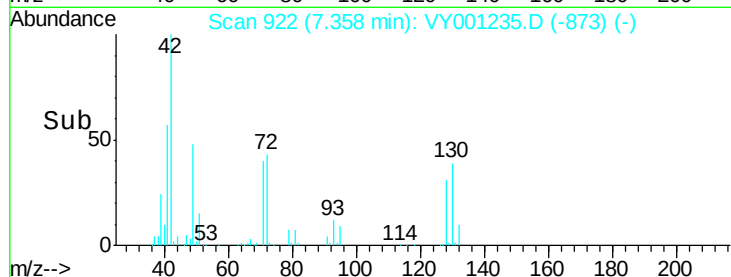
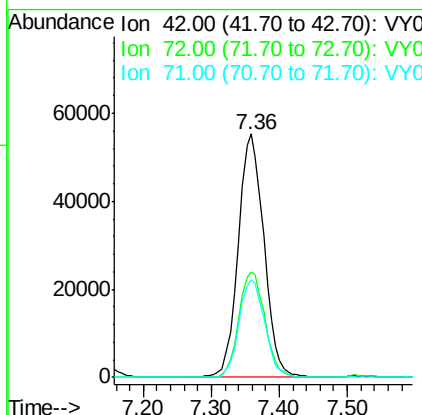
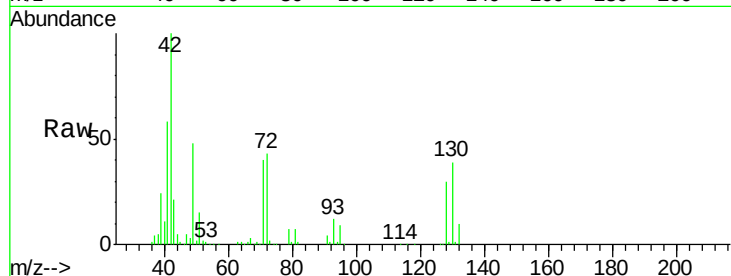
#29
Tetrahydrofuran
Concen: 307.604 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	36.9	55.3
71	40.3	34.0	51.0

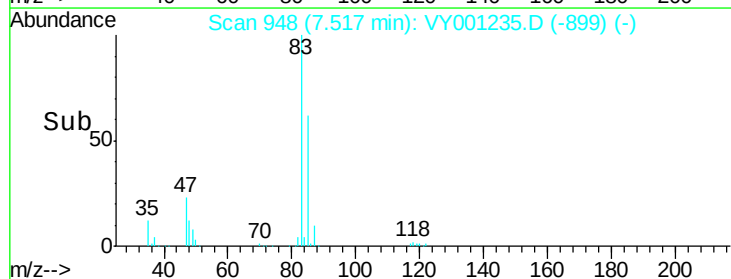
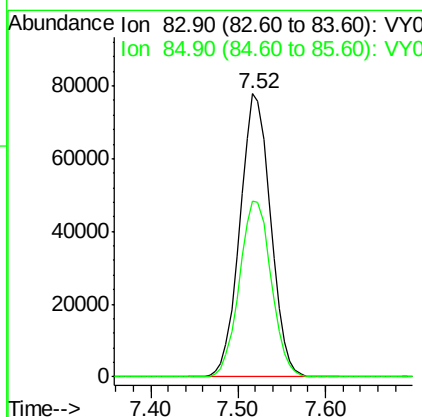
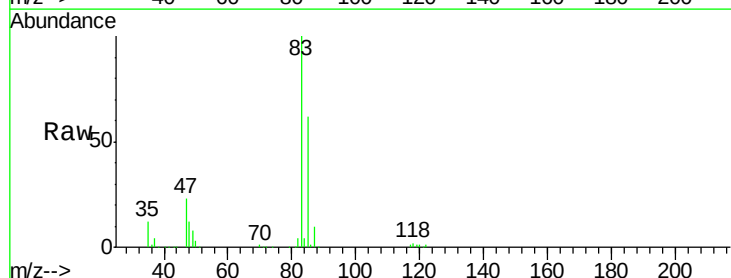
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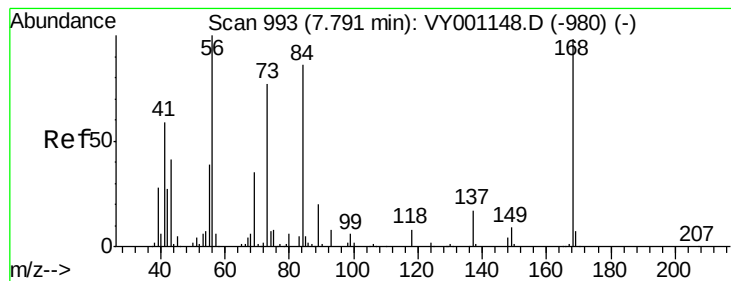
MMDadoda
1/16/2020 9:36:41 AM



#30
Chloroform
Concen: 55.724 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.9	77.9





#31

Cyclohexane

Concen: 48.996 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 180480

Ion Ratio Lower Upper

56 100

69 34.2 27.8 41.8

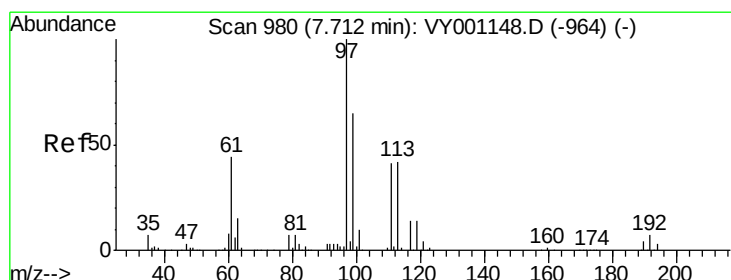
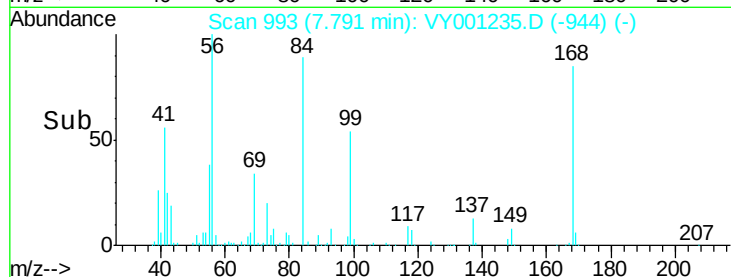
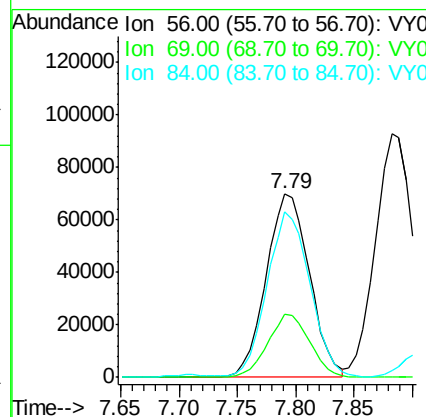
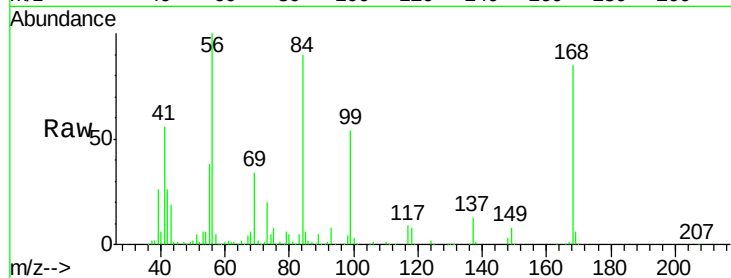
84 88.1 68.9 103.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 52.283 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

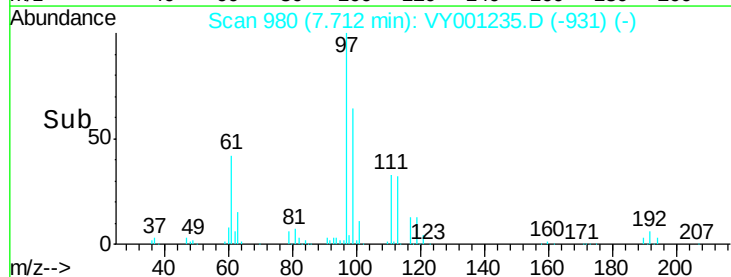
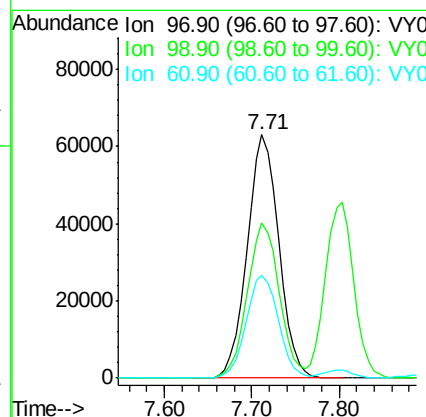
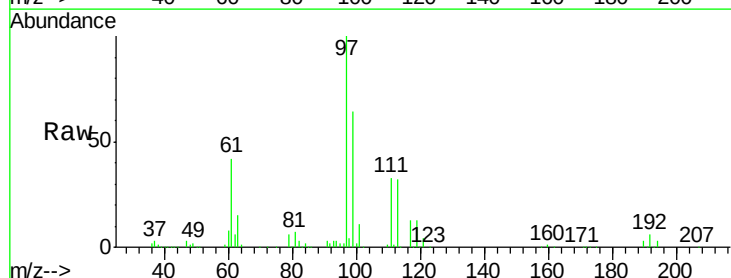
Tgt Ion: 97 Resp: 158135

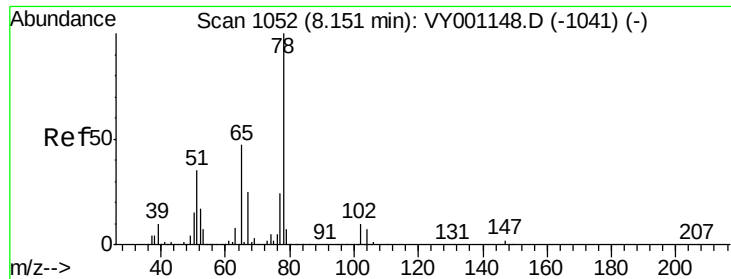
Ion Ratio Lower Upper

97 100

99 64.8 51.3 76.9

61 43.2 34.6 52.0





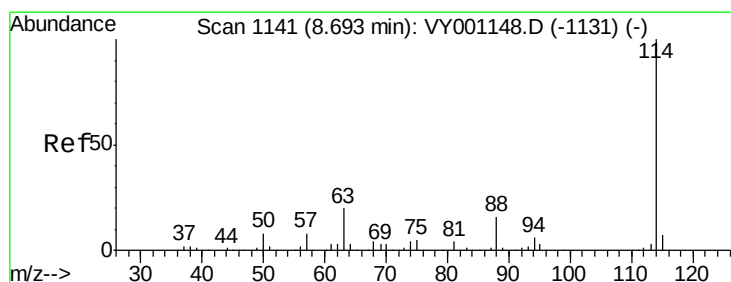
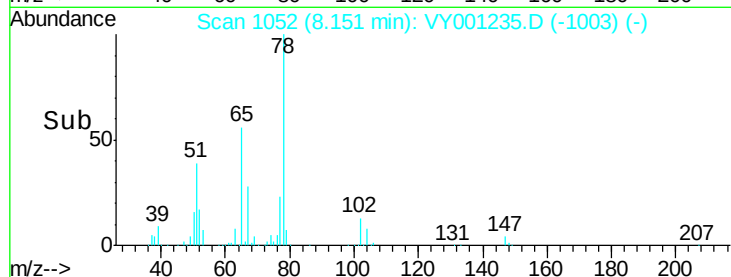
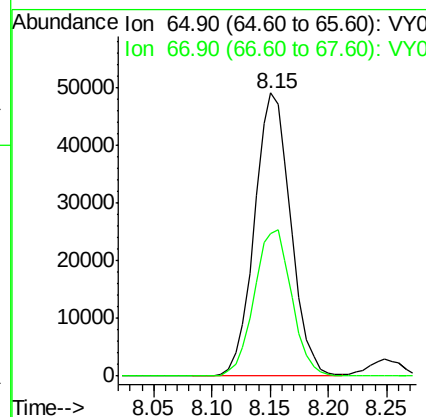
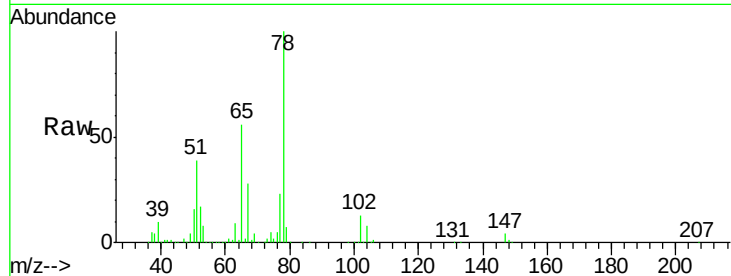
#33
 1,2-Dichloroethane-d4
 Concen: 55.930 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.2

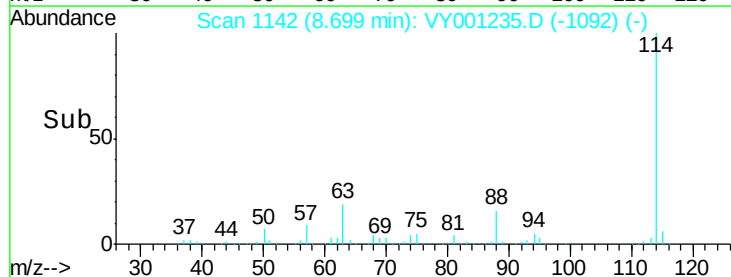
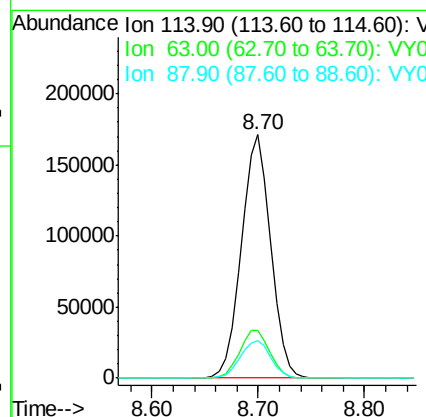
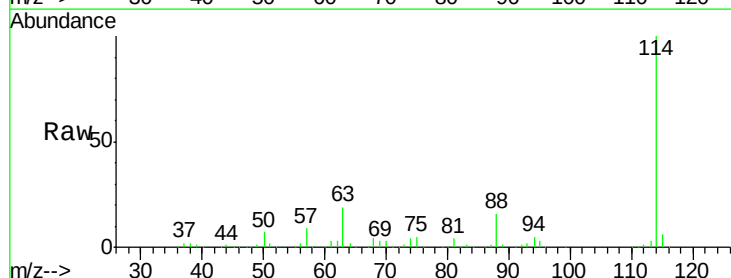
Manual Integrations
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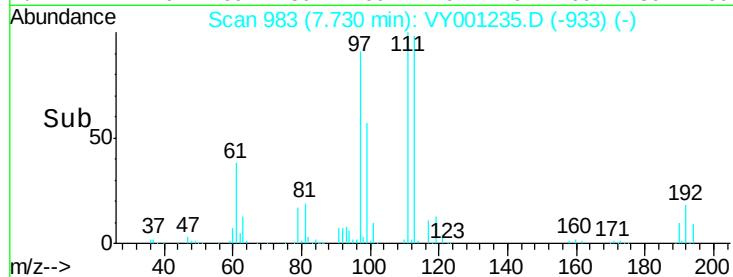
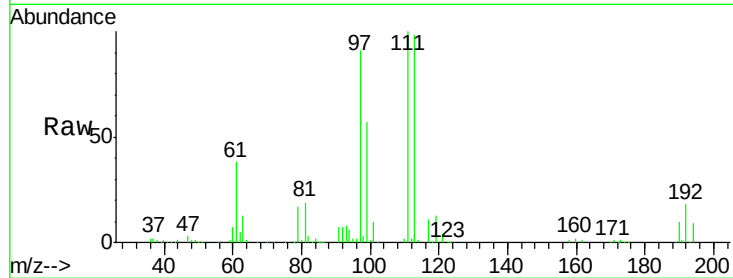
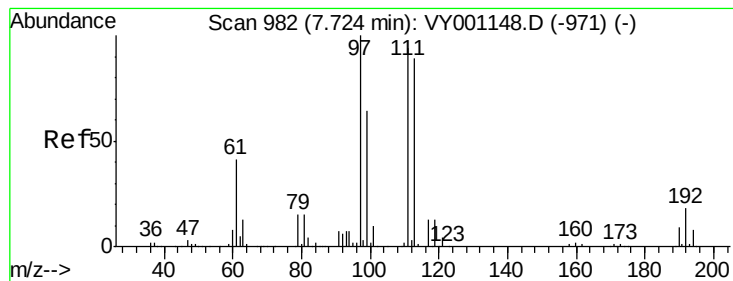
MMDadoda
 1/16/2020 9:36:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	15.6	0.0	32.4





#35

Dibromofluoromethane

Concen: 49.424 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001235.D

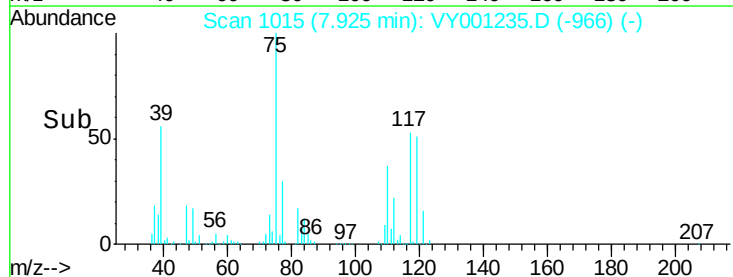
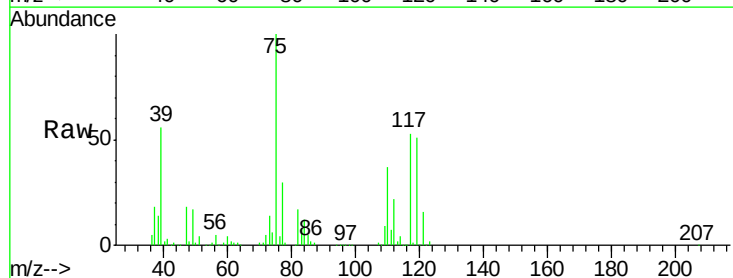
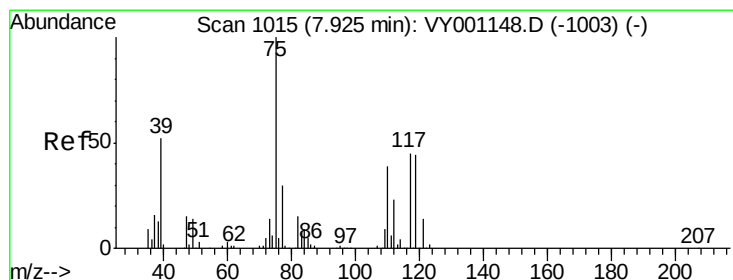
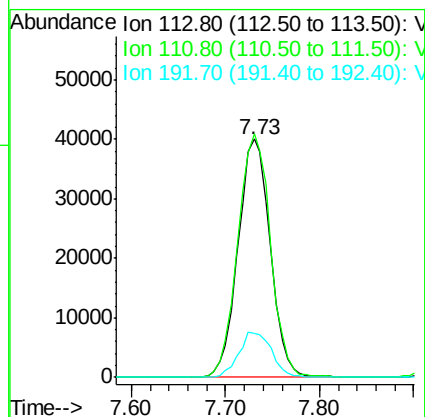
Acq: 15 Jan 2020 22:15

Tot Ion:	113	Resp:	95526
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.9	124.3
192	19.3	15.4	23.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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1/16/2020 9:36:41 AM



#36

1,1-Dichloropropene

Concen: 49.354 ug/l

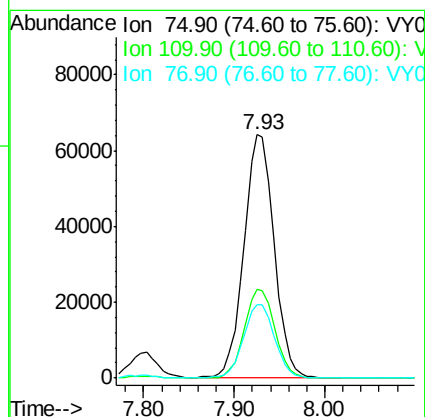
RT: 7.93 min Scan# 1015

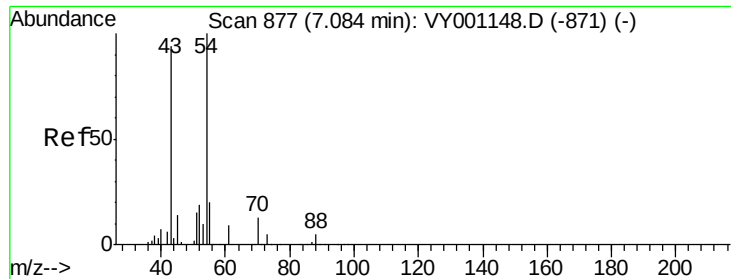
Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Tgt Ion:	75	Resp:	148495
Ion	Ratio	Lower	Upper
75	100		
110	36.7	18.3	54.8
77	31.1	25.1	37.7





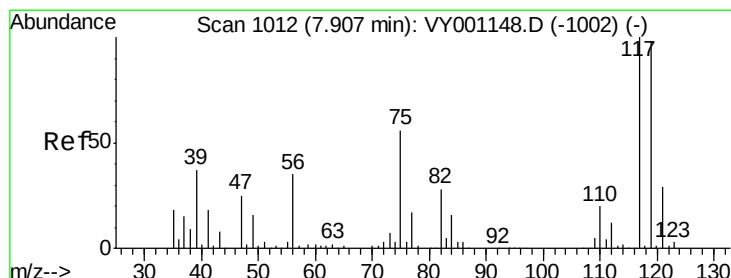
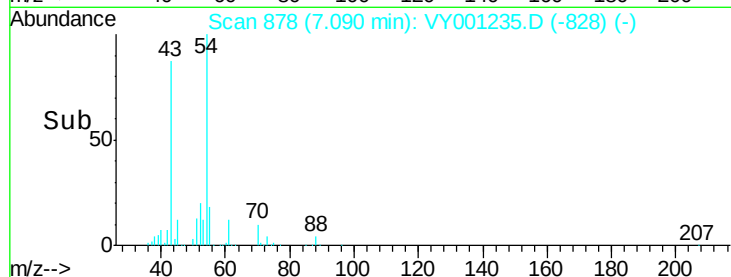
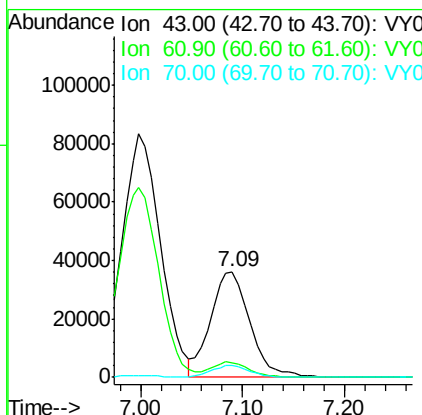
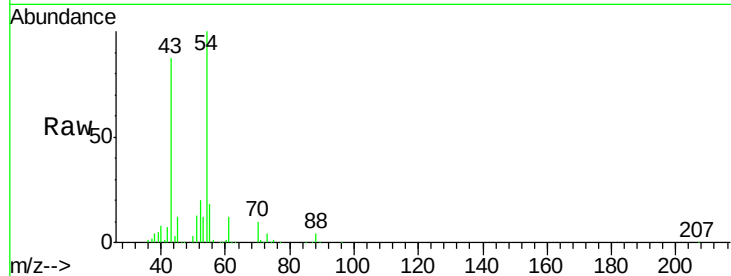
#37
Ethyl Acetate
Concen: 54.701 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.1	16.7
70	11.0	9.7	14.5

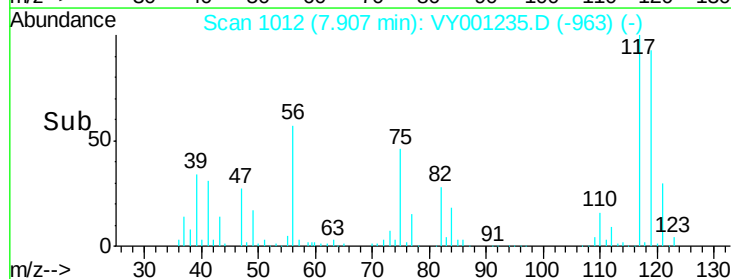
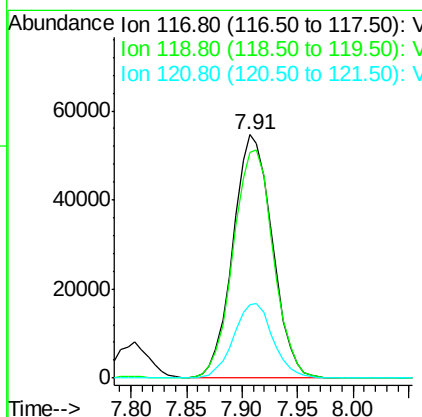
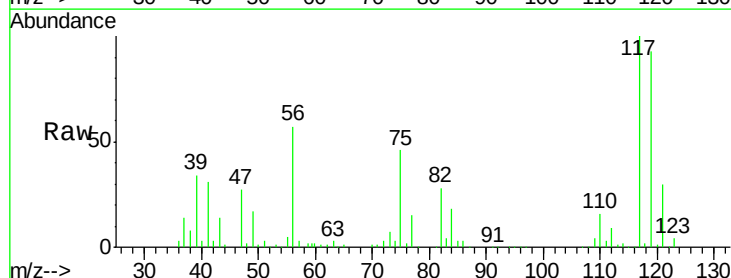
Manual Integrations
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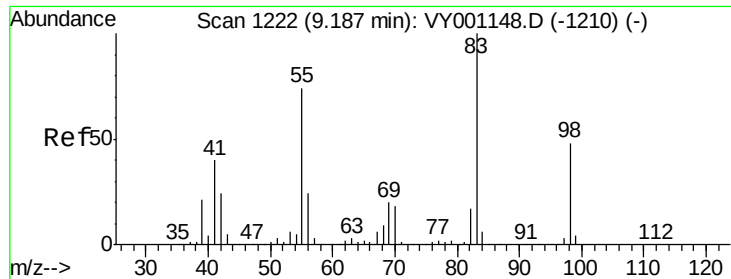
MMDadoda
1/16/2020 9:36:41 AM



#38
Carbon Tetrachloride
Concen: 48.664 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	78.3	117.5
121	29.9	23.5	35.3





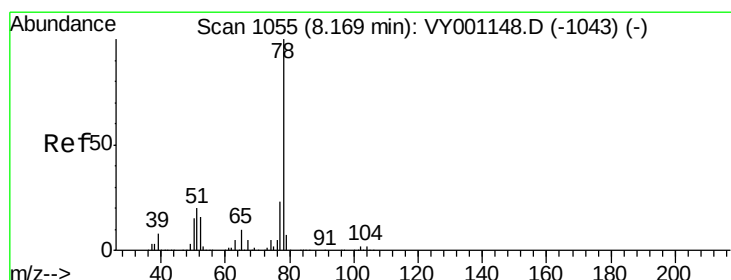
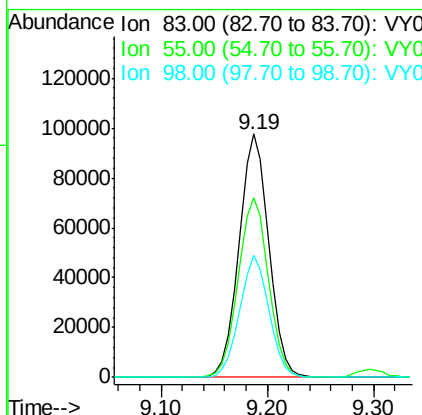
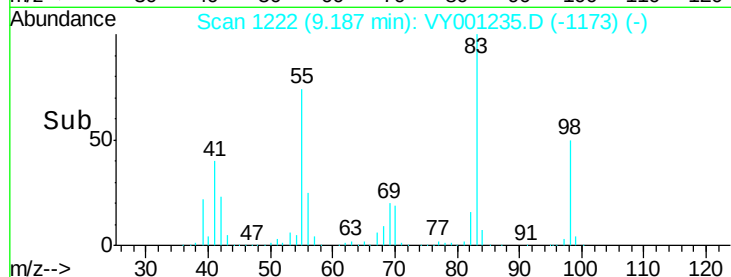
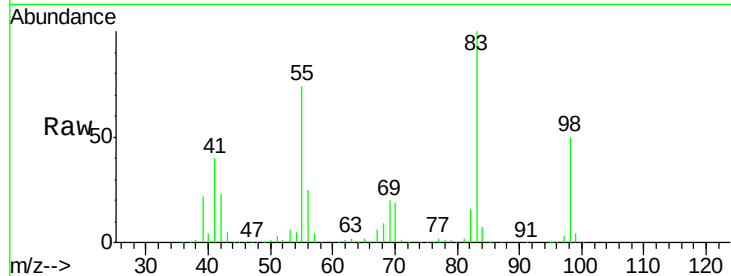
#39
Methylvlcyclohexane
Concen: 46.915 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.8	58.9	88.3
98	50.1	38.4	57.6

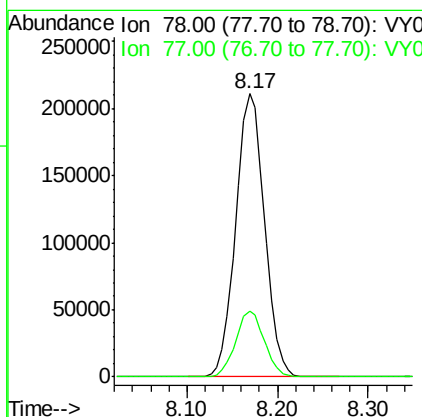
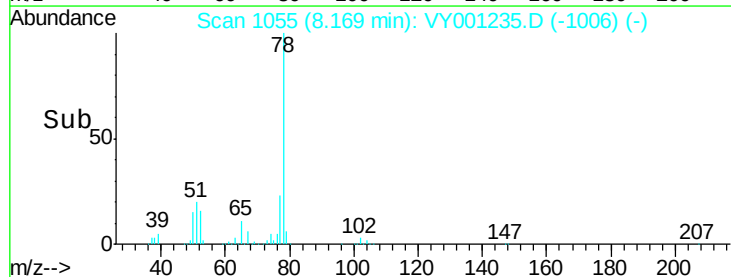
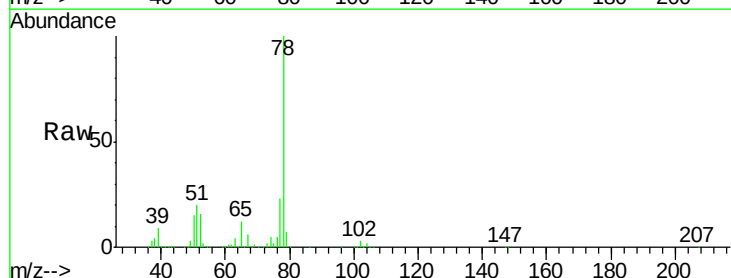
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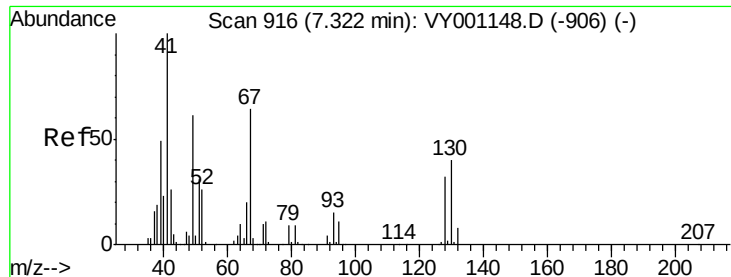
MMDadoda
1/16/2020 9:36:41 AM



#40
Benzene
Concen: 52.794 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.8	28.2





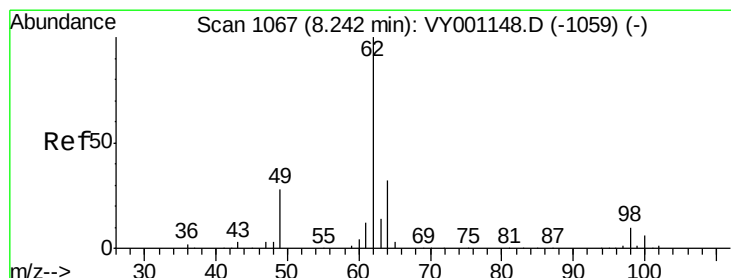
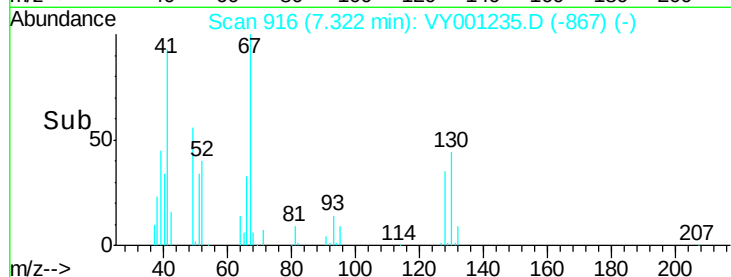
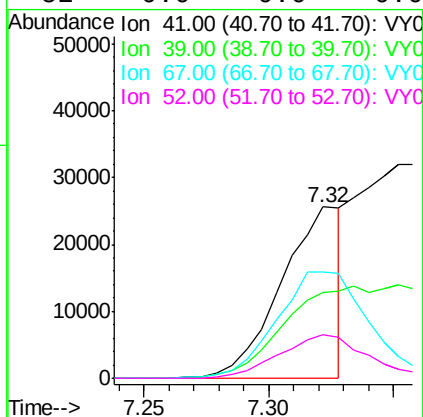
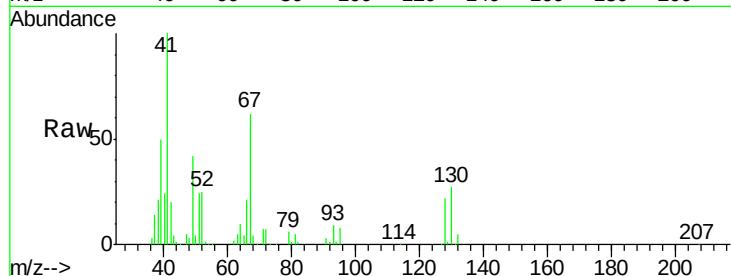
#41
Methacrylonitrile
Concen: 52.129 ug/l m
RT: 7.32 min Scan# 916
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	0.0	103.5	155.3#		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

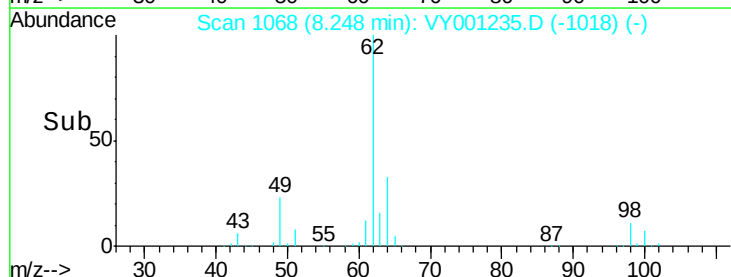
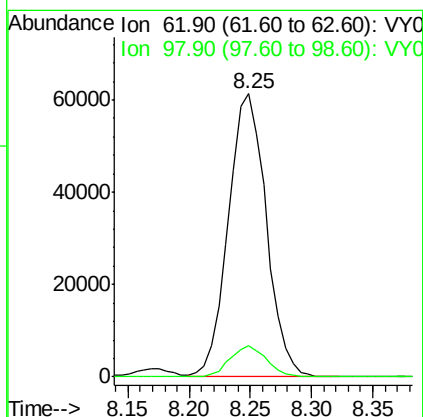
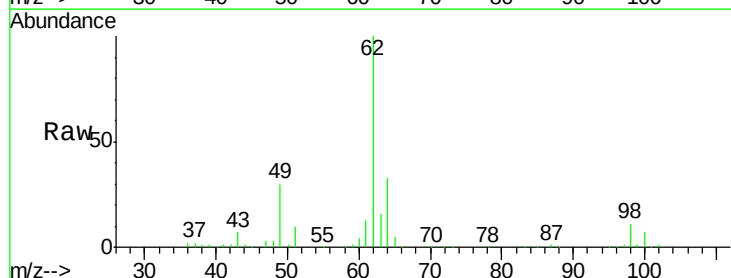
Manual Integrations
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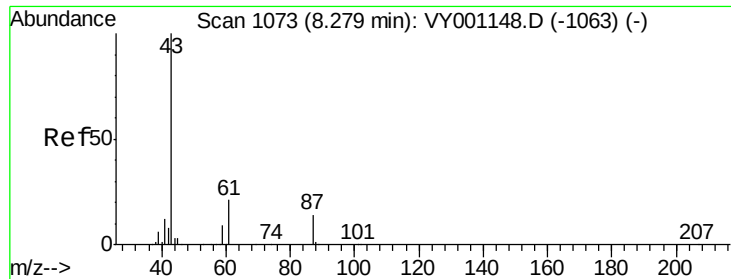
MMDadoda
1/16/2020 9:36:41 AM



#42
1,2-Dichloroethane
Concen: 53.690 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.6	0.0	20.4		





#43

Isopropyl Acetate

Concen: 56.488 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

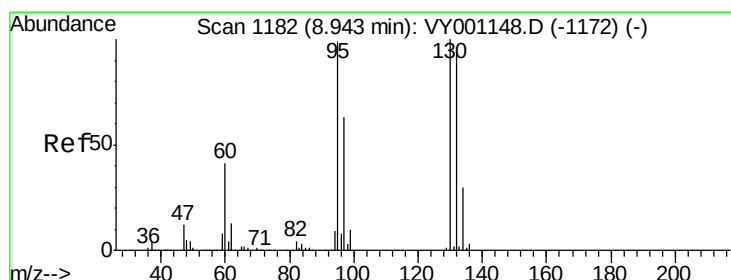
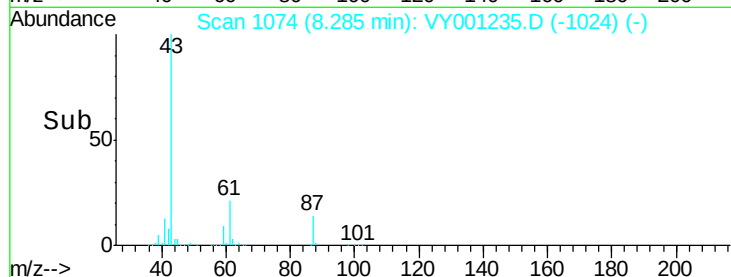
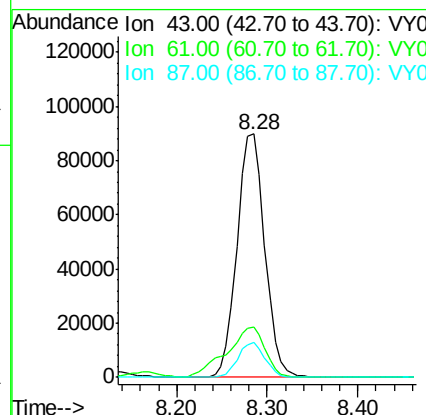
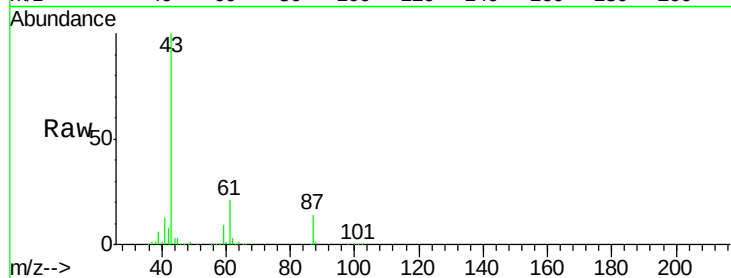
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	190730
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.9	35.9
87	14.0	11.4	17.2

Manual Integrations
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#44

Trichloroethene

Concen: 52.337 ug/l

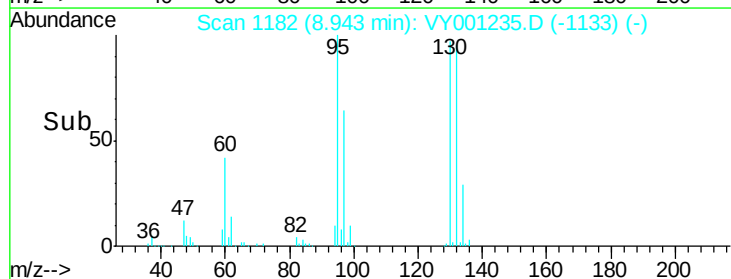
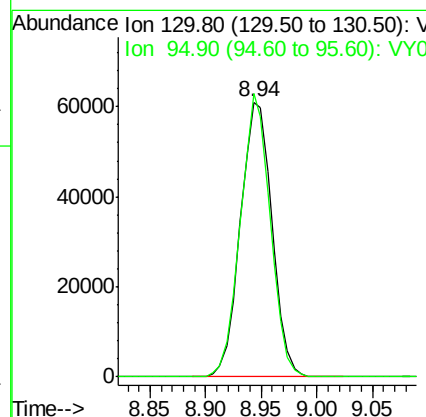
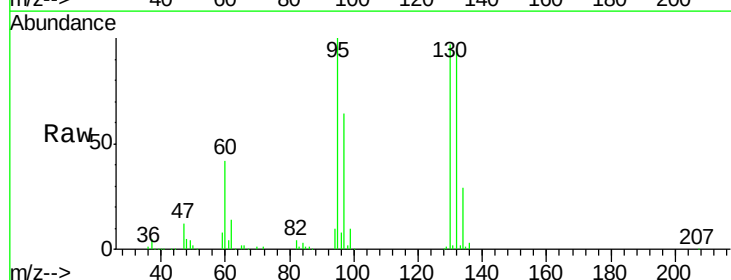
RT: 8.94 min Scan# 1182

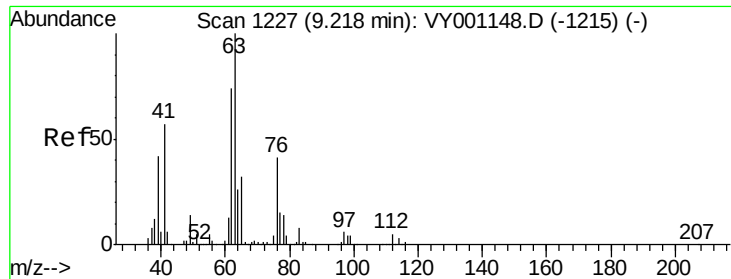
Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Tgt Ion:	130	Resp:	119774
Ion	Ratio	Lower	Upper
130	100		
95	103.0	0.0	197.6





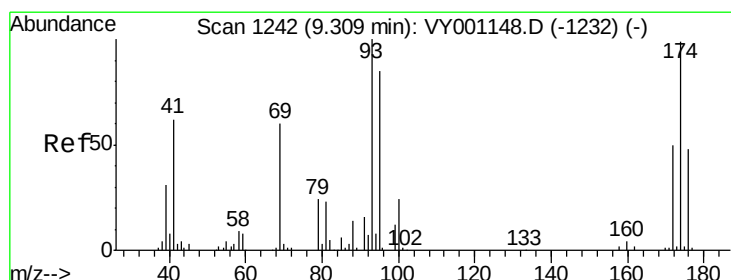
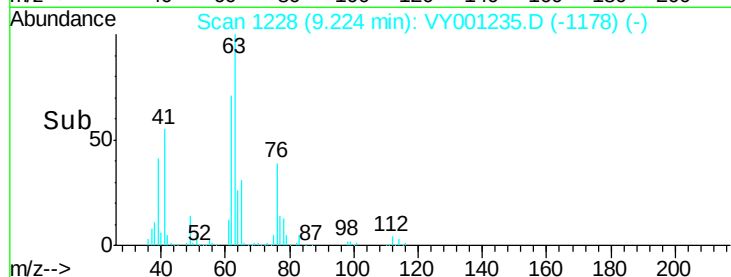
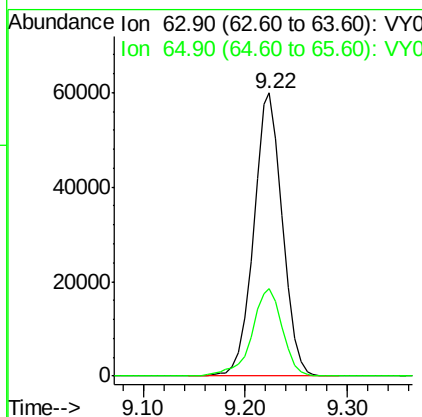
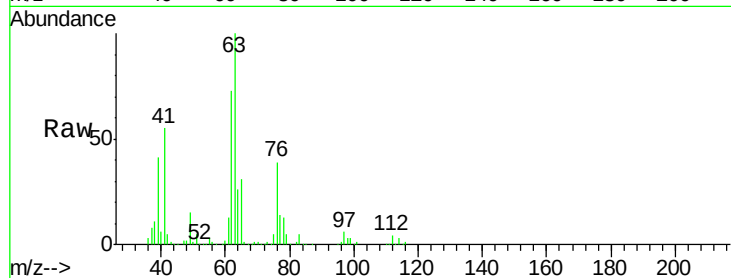
#45
 1,2-Dichloropropane
 Concen: 53.883 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 116994
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.8 38.8

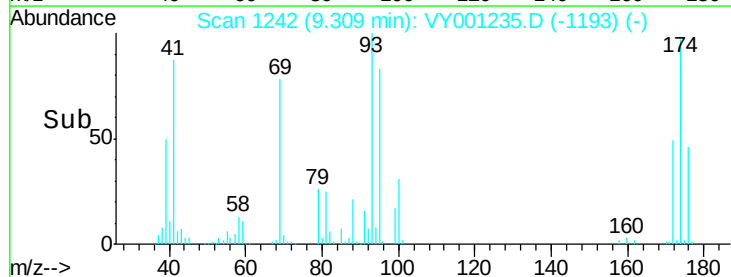
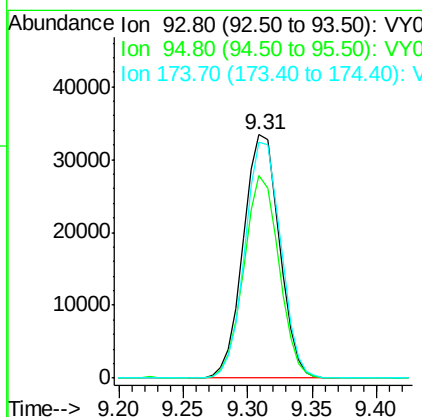
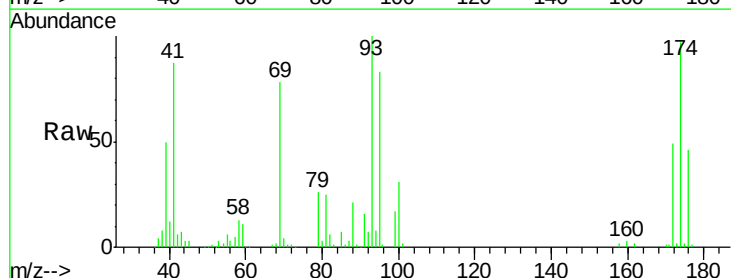
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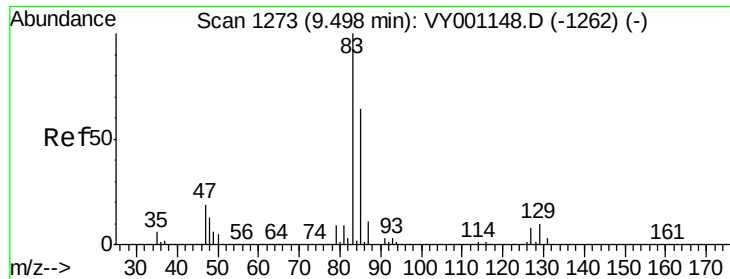
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#46
 Dibromomethane
 Concen: 54.670 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion: 93 Resp: 64767
 Ion Ratio Lower Upper
 93 100
 95 81.1 66.8 100.2
 174 96.4 78.4 117.6





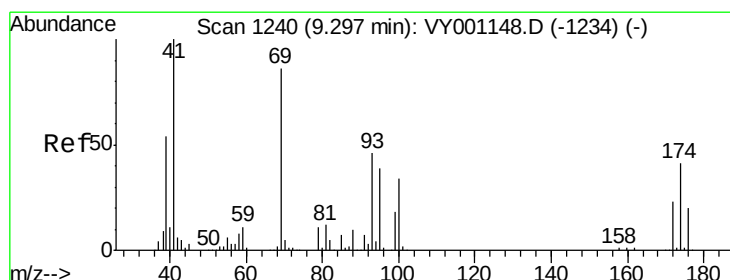
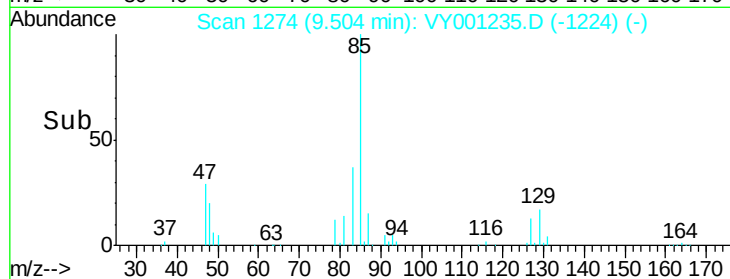
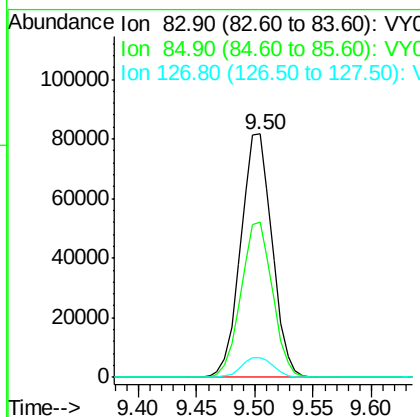
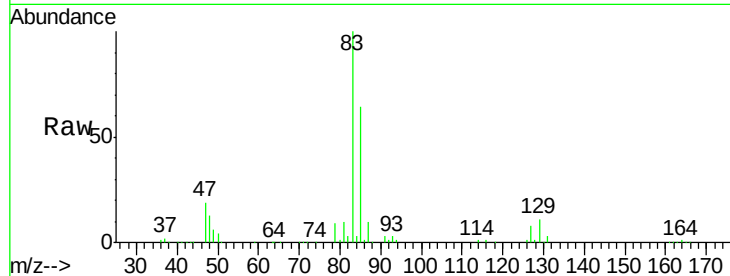
#47
Bromodichloromethane
Concen: 53.300 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153887		
85	63.7	51.5	77.3	
127	8.0	6.3	9.5	

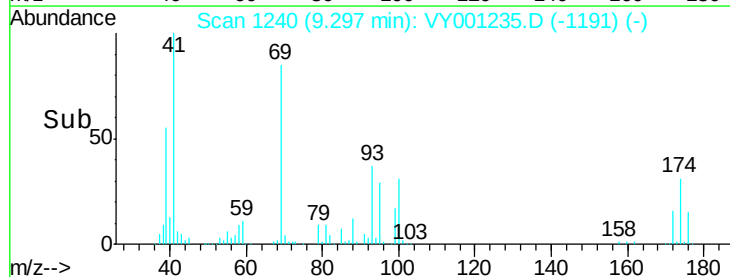
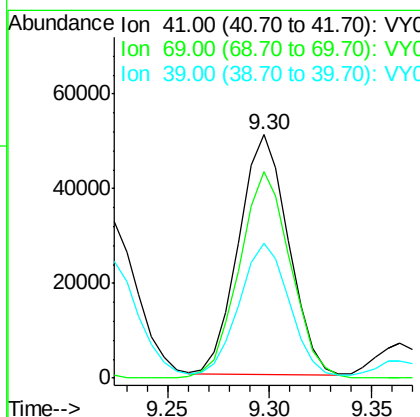
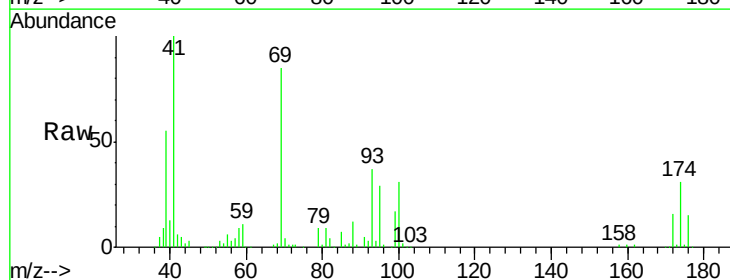
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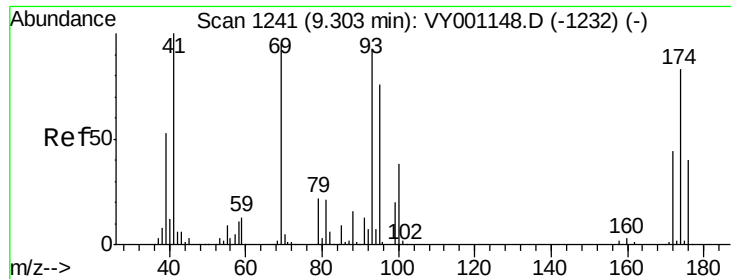
MMDadoda
1/16/2020 9:36:41 AM



#48
Methyl methacrylate
Concen: 55.029 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	85983		
69	88.5	69.8	104.8	
39	57.4	45.2	67.8	





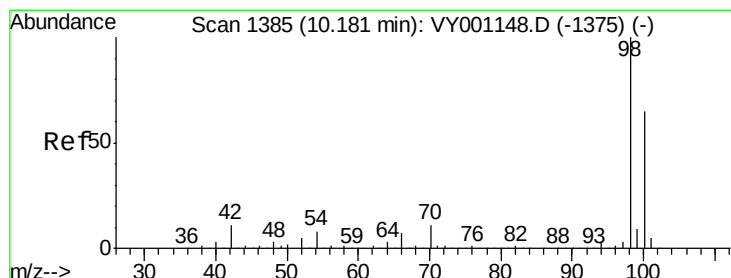
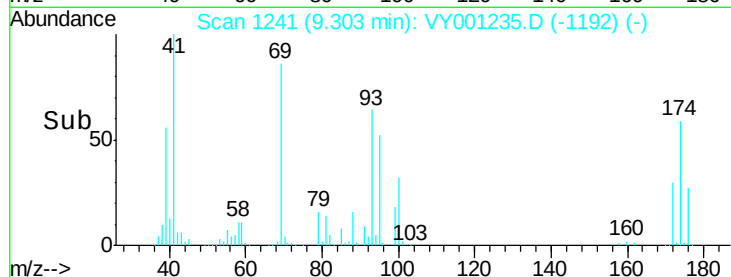
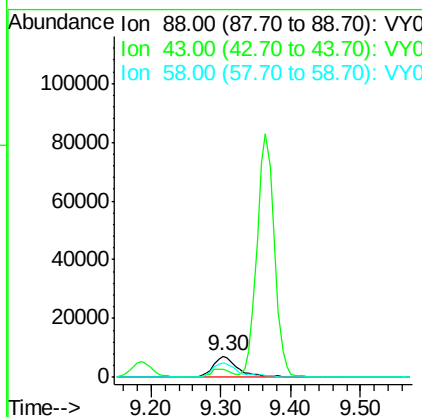
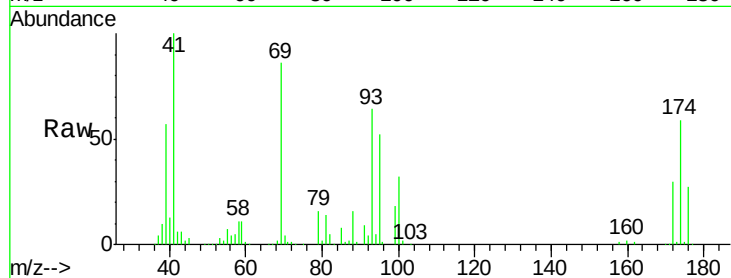
#49
 1,4-Dioxane
 Concen: 1278.131 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	88	Resp	18440
Ion	Ratio	Lower	Upper
88	100		
43	30.4	22.4	33.6
58	71.9	58.0	87.0

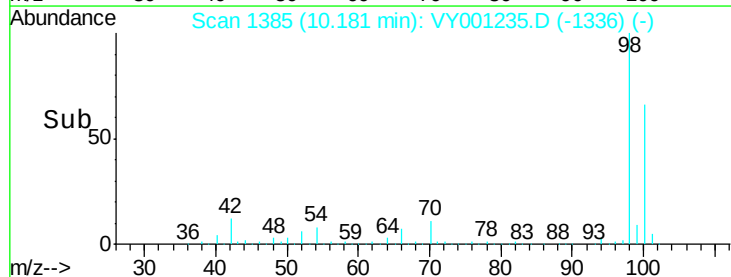
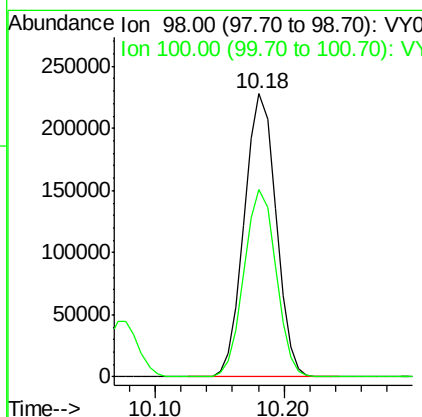
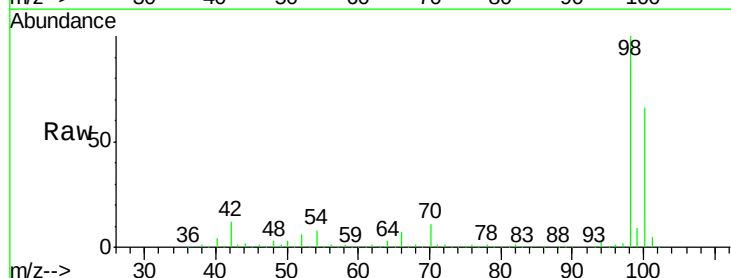
Manual Integrations
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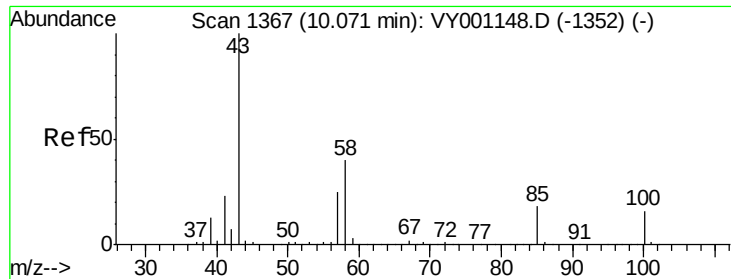
MMDadoda
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#50
 Toluene-d8
 Concen: 52.298 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	98	Resp	389477
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.1	79.7





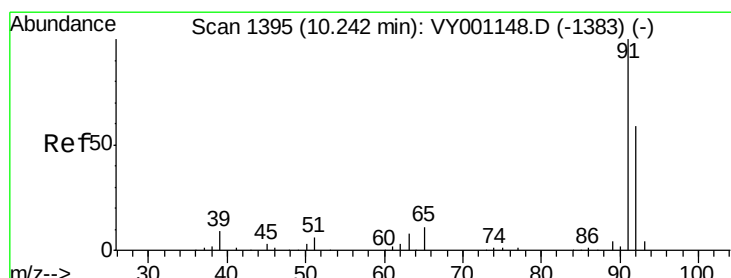
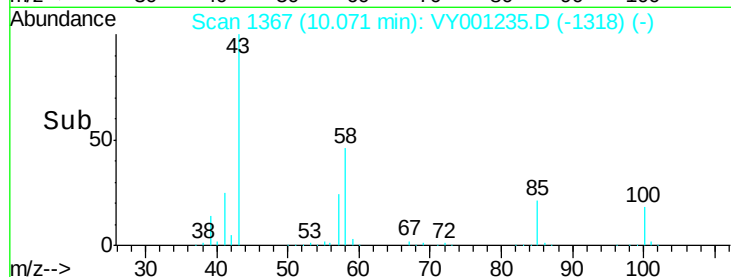
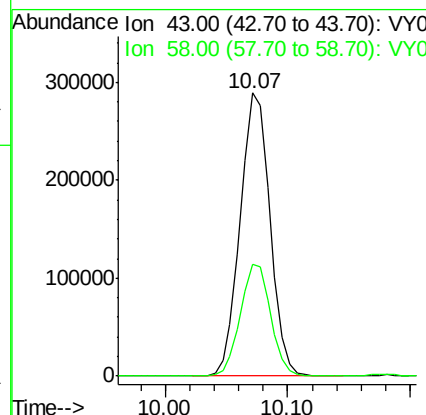
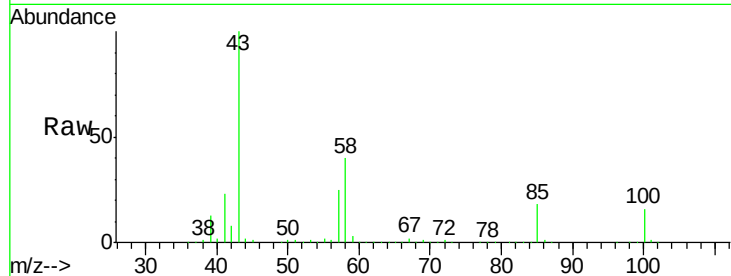
#51
4-Methyl-2-Pentanone
Concen: 285.018 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	58	Resp	488311
Ion Ratio	100	39.9	Lower	Upper
			32.3	48.5

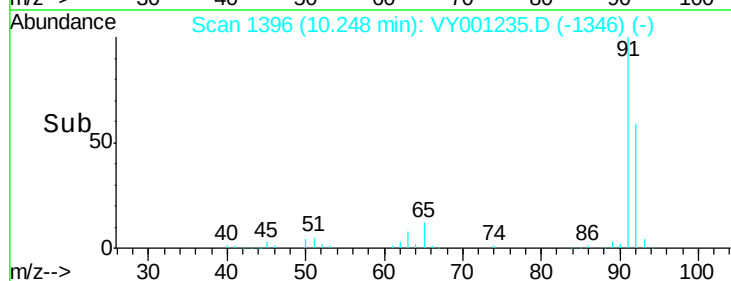
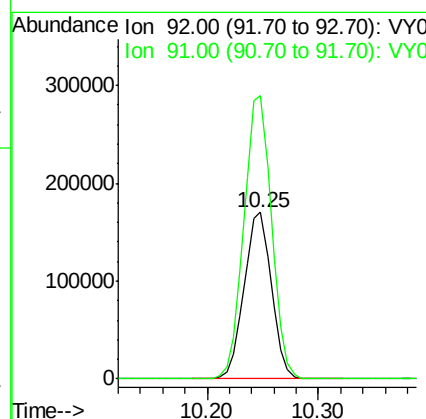
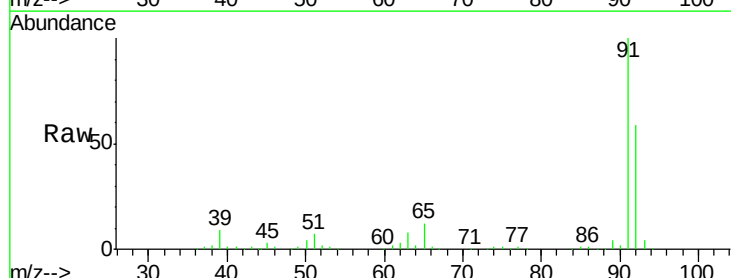
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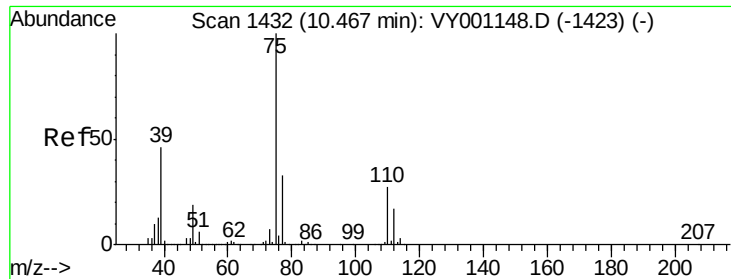
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#52
Toluene
Concen: 51.710 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	92	91	Resp	289665
Ion Ratio	100	171.9	Lower	Upper
			136.6	204.8





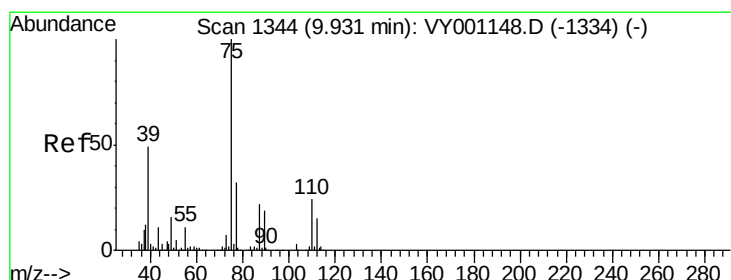
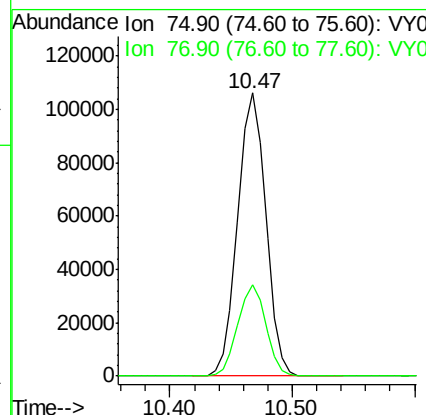
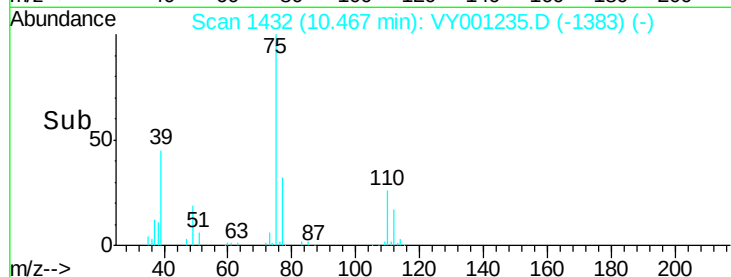
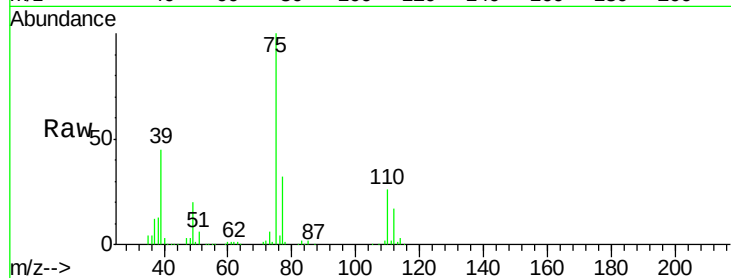
#53
t-1,3-Dichloropropene
Concen: 52.380 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 169227
Ion Ratio Lower Upper
75 100
77 32.1 26.2 39.2

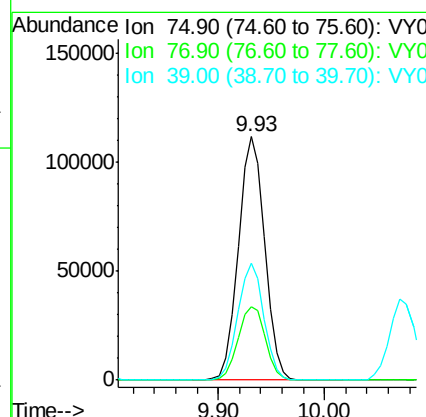
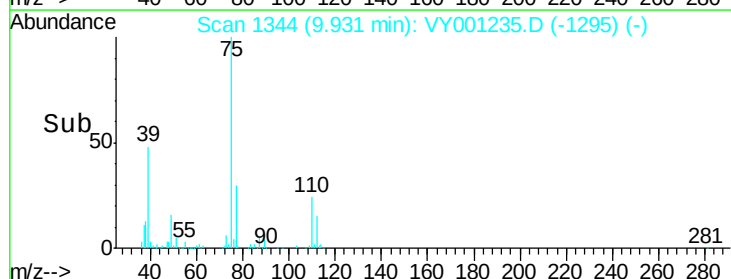
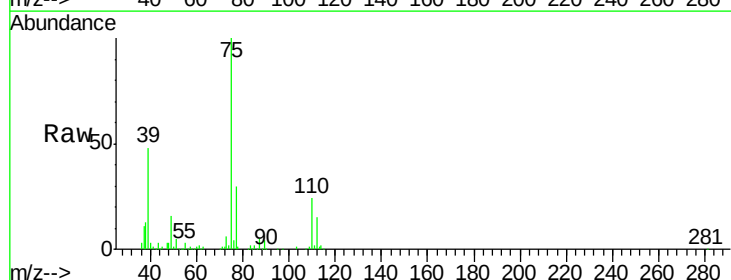
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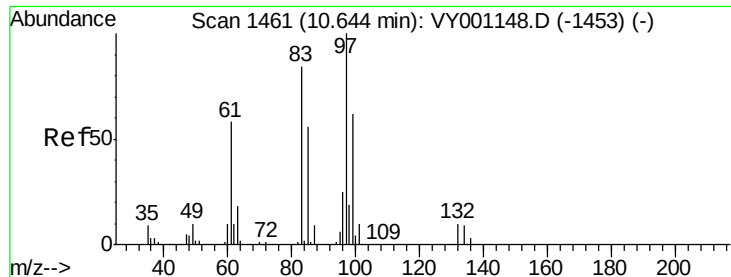
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#54
cis-1,3-Dichloropropene
Concen: 53.178 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion: 75 Resp: 193705
Ion Ratio Lower Upper
75 100
77 30.4 25.3 37.9
39 47.8 39.1 58.7





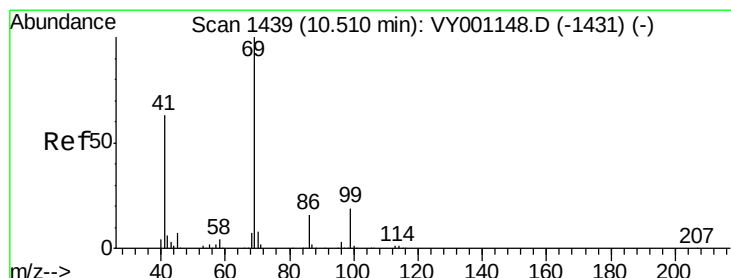
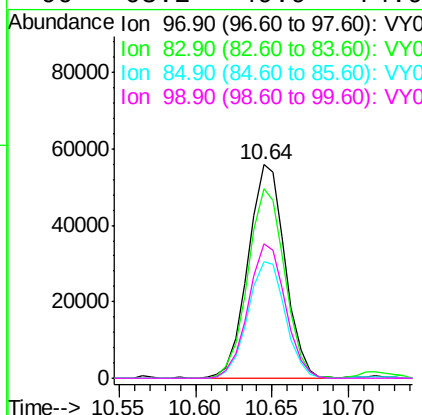
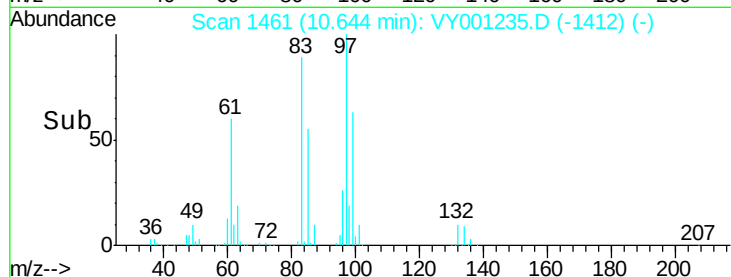
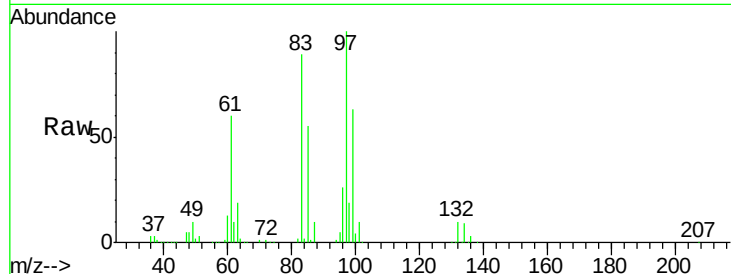
#55
 1,1,2-Trichloroethane
 Concen: 53.022 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	93123
Ion	Ratio	Lower	Upper
97	100		
83	89.0	67.2	100.8
85	54.9	44.9	67.3
99	63.2	49.9	74.9

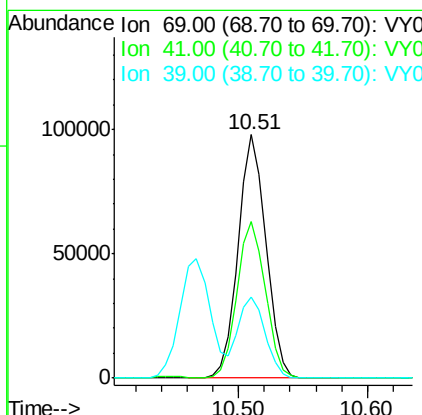
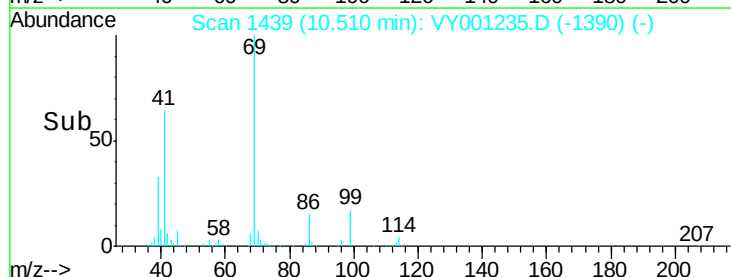
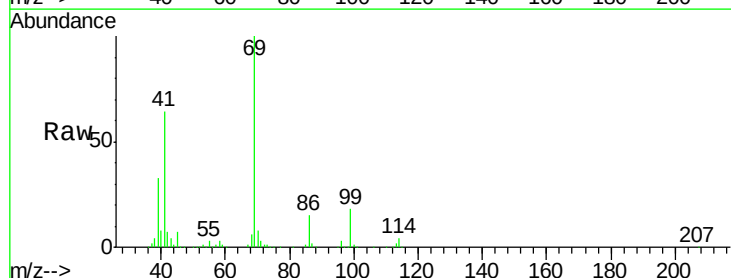
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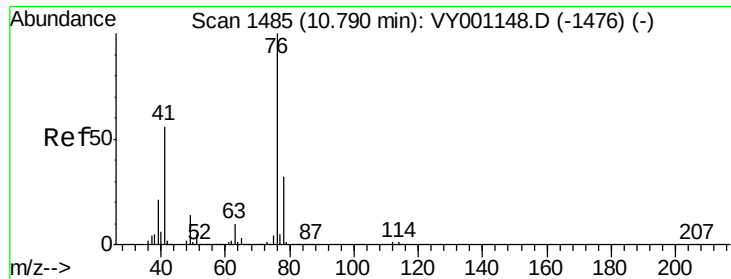
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#56
 Ethyl methacrylate
 Concen: 54.637 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion:	69	Resp:	146786
Ion	Ratio	Lower	Upper
69	100		
41	65.1	51.4	77.2
39	32.1	26.3	39.5





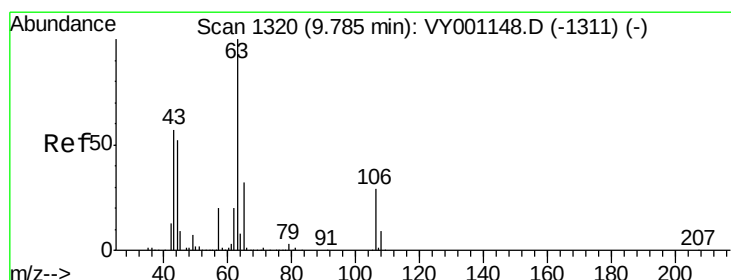
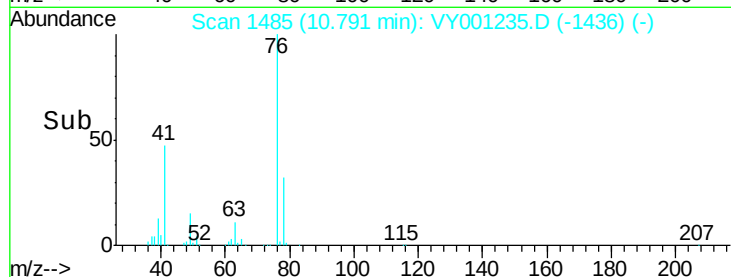
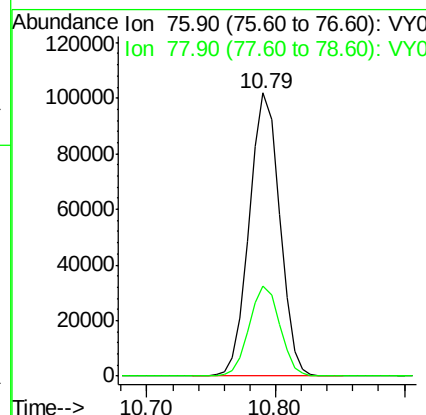
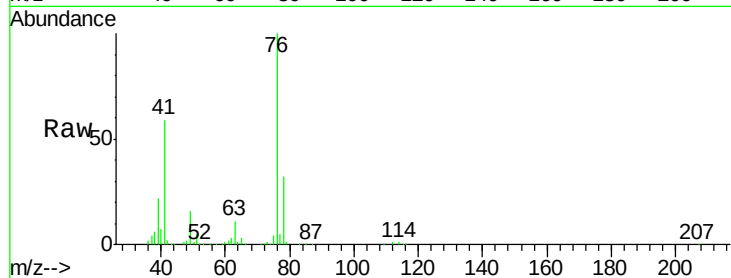
#57
 1,3-Dichloropropane
 Concen: 54.991 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.1	39.1

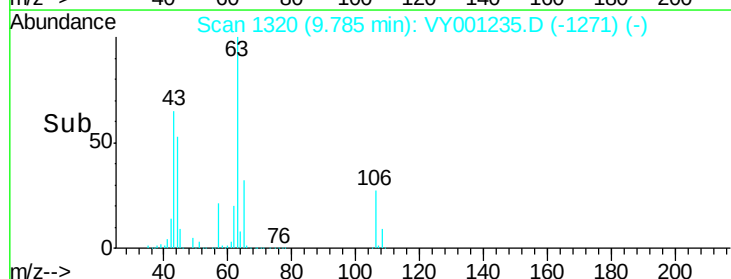
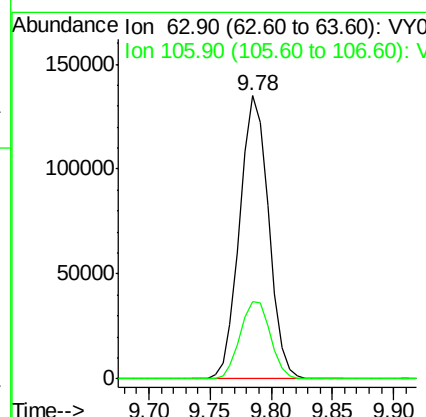
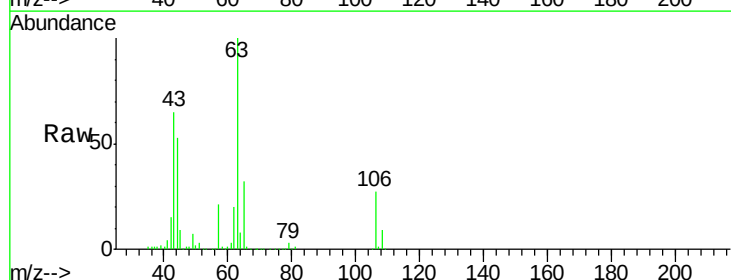
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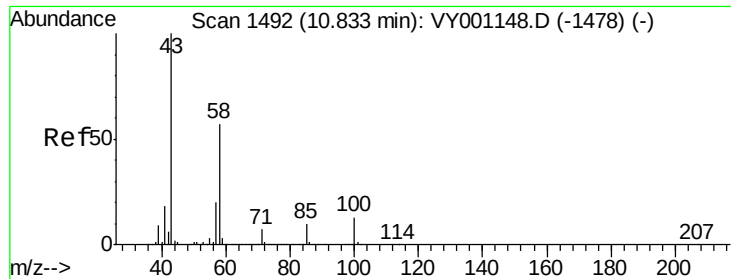
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#58
 2-Chloroethyl Vinyl ether
 Concen: 234.233 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	23.0	34.6





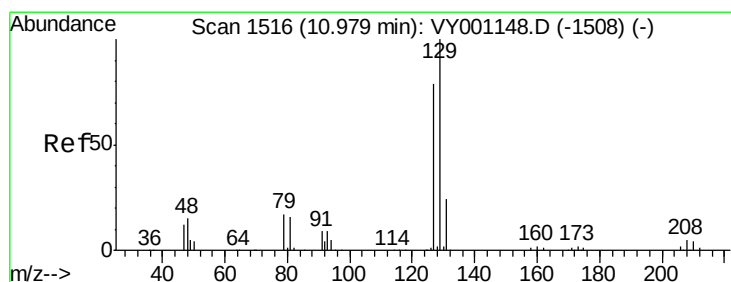
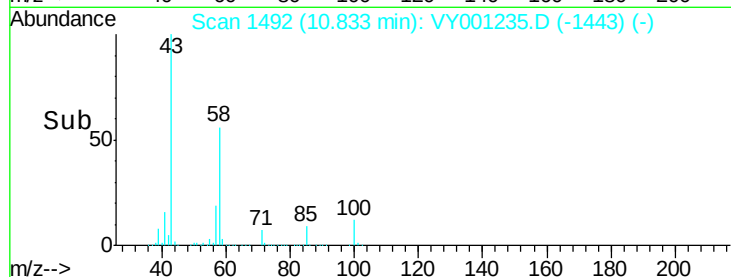
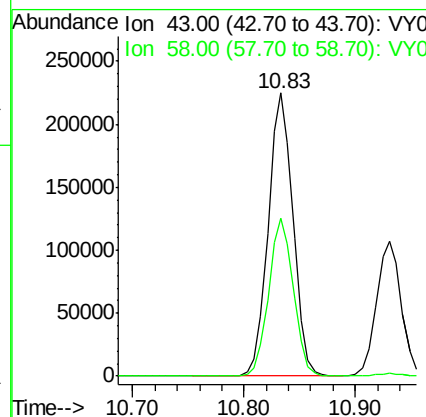
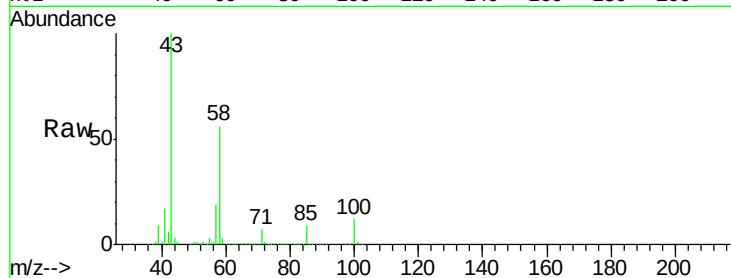
#59
2-Hexanone
Concen: 290.810 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 349179
Ion Ratio Lower Upper
43 100
58 55.7 28.4 85.2

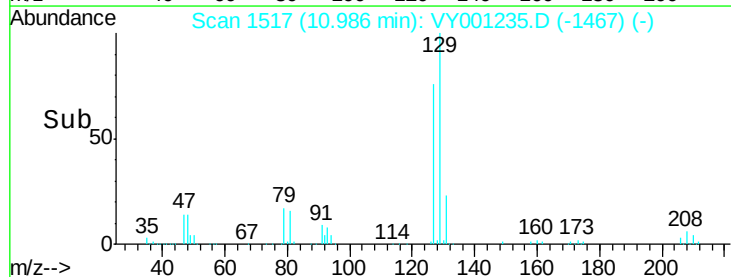
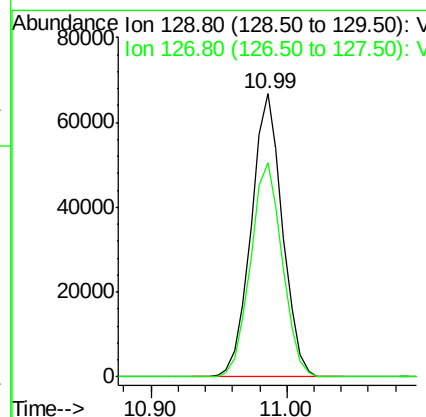
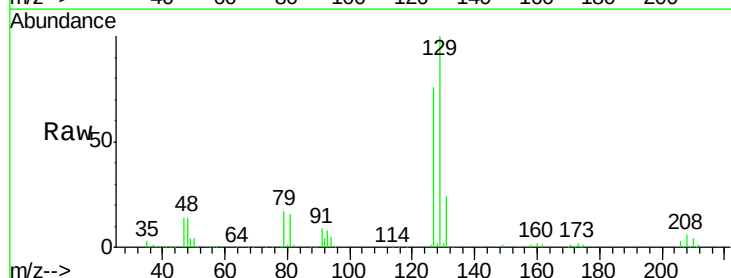
Manual Integrations
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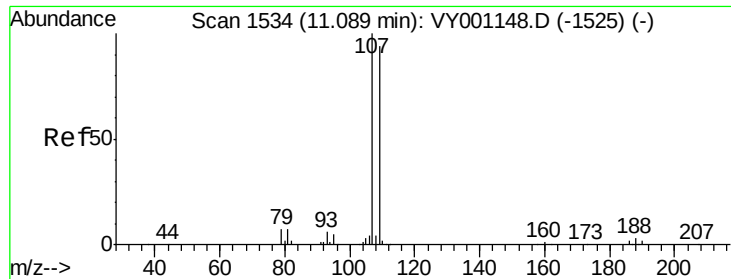
MMDadoda
1/16/2020 9:36:41 AM



#60
Dibromochloromethane
Concen: 53.099 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion: 129 Resp: 107373
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7





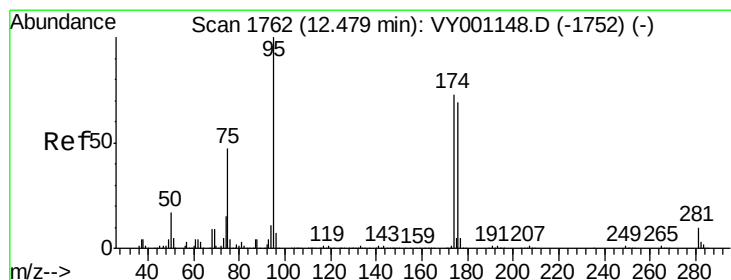
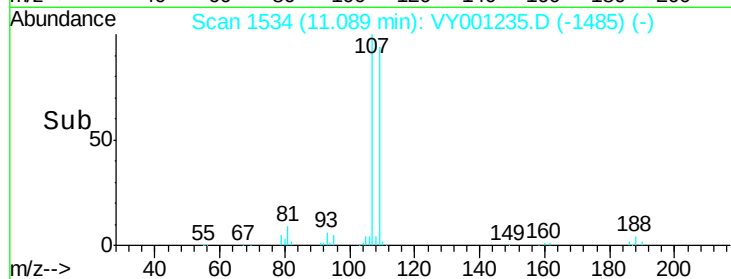
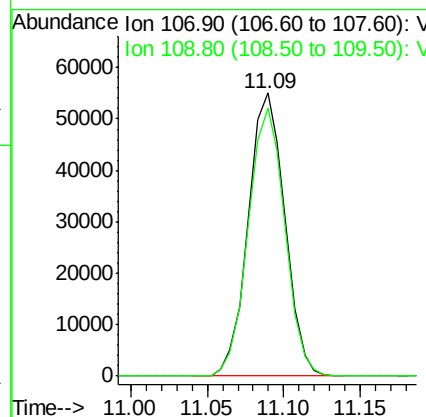
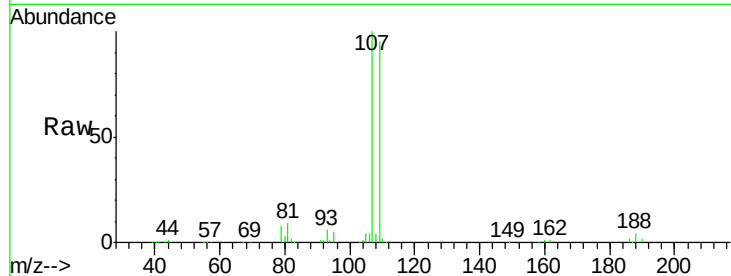
#61
 1,2-Dibromoethane
 Concen: 53.367 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.4	113.0

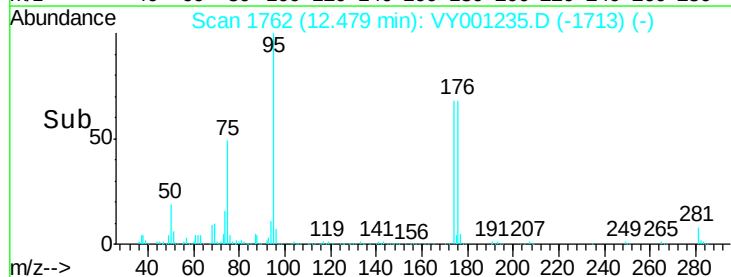
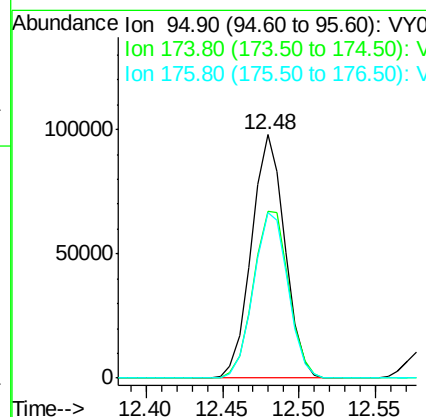
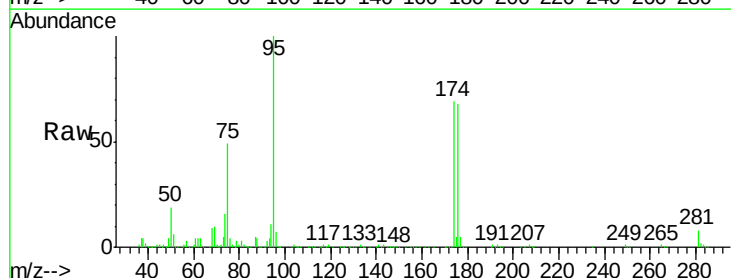
Manual Integrations
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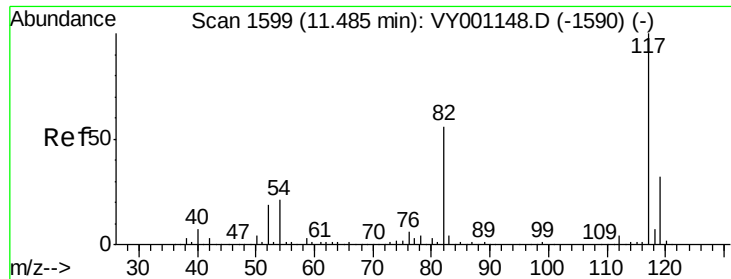
MMDadoda
 1/16/2020 9:36:41 AM



#62
 4-Bromofluorobenzene
 Concen: 48.881 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	143.2
176	70.2	0.0	136.0





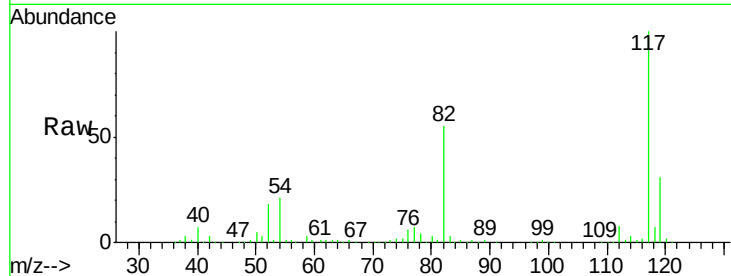
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	44.9	67.3
119	31.2	25.7	38.5

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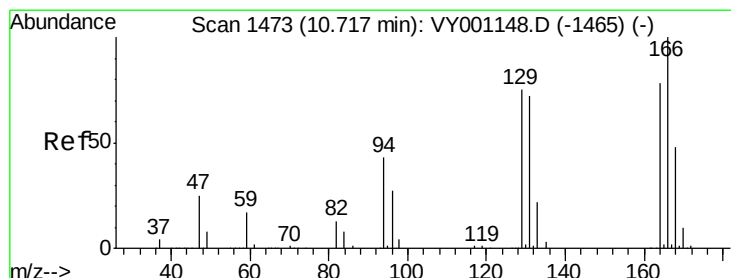
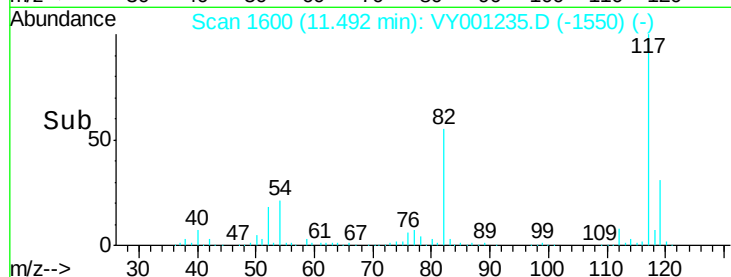
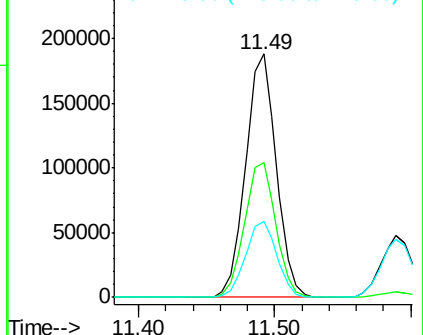


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 50.883 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	102.3	153.5
129	94.9	76.2	114.4
131	91.0	73.9	110.9

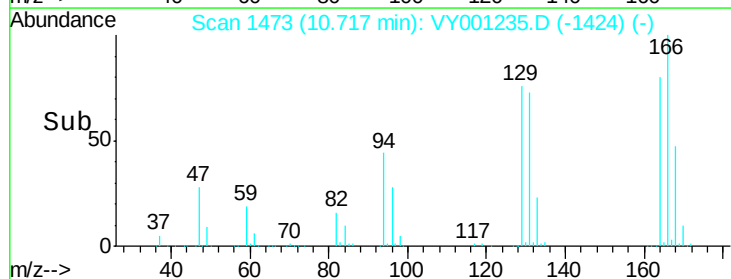
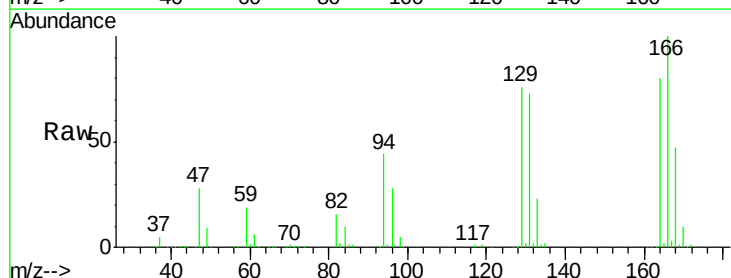
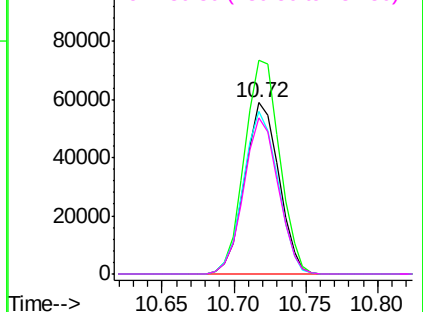
Abundance

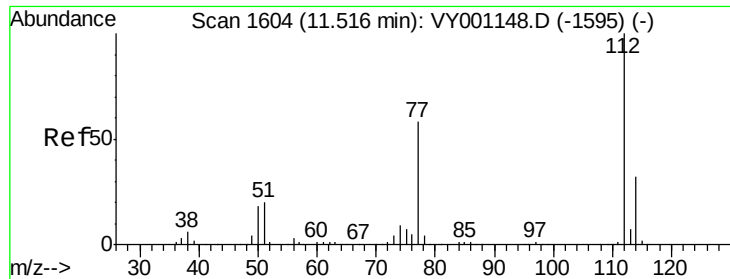
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





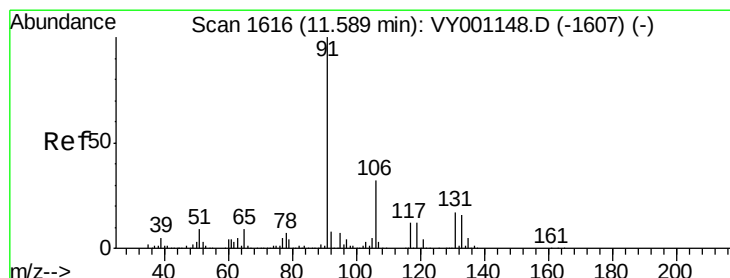
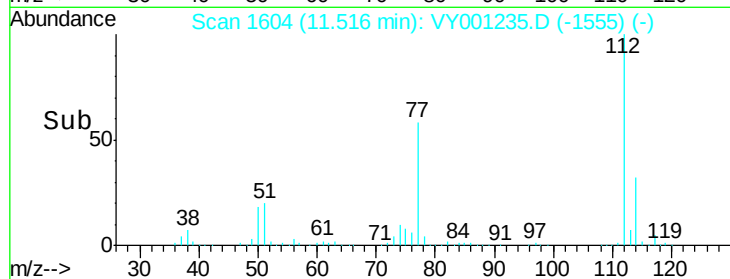
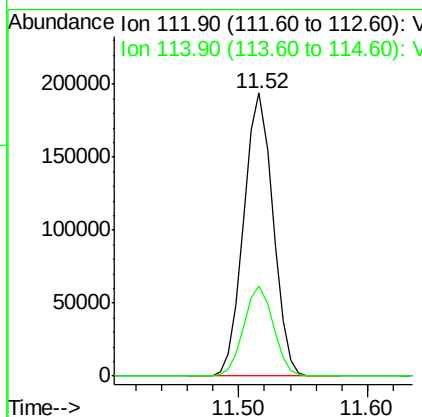
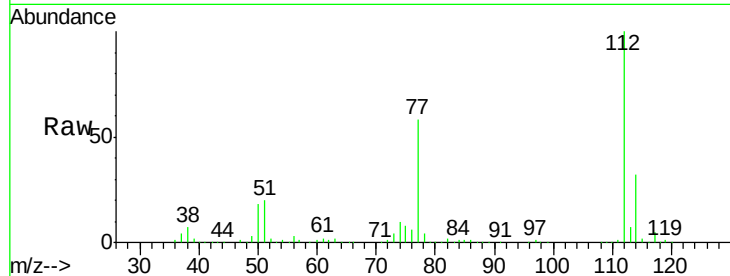
#65
Chlorobenzene
Concen: 51.501 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 304885
Ion Ratio Lower Upper
112 100
114 31.9 25.9 38.9

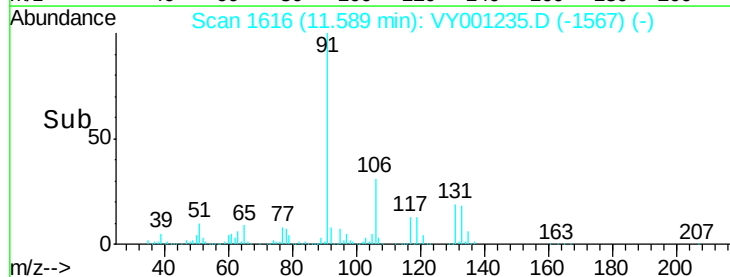
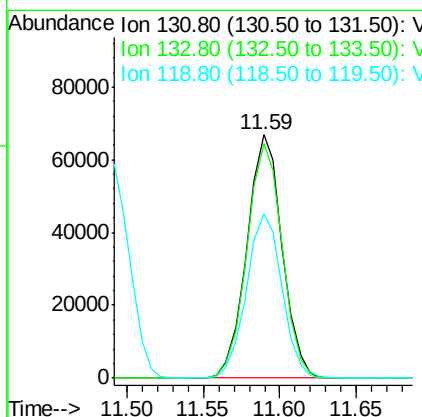
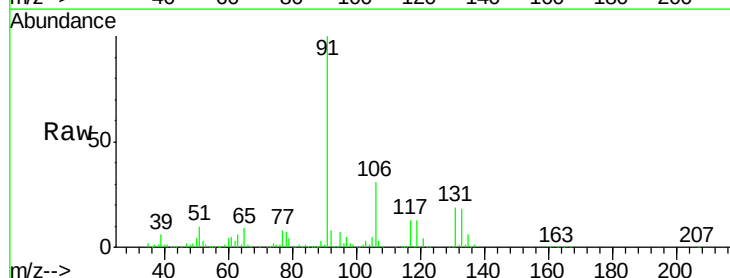
Manual Integrations
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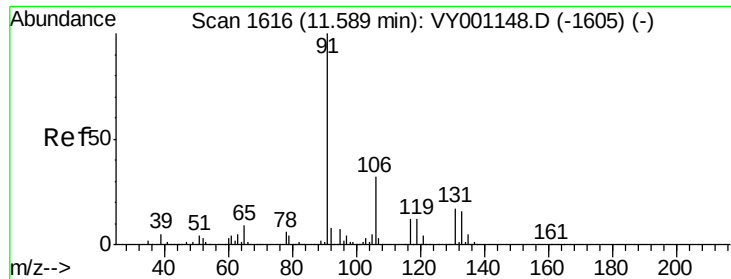
MMDadoda
1/16/2020 9:36:41 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.303 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion:131 Resp: 106718
Ion Ratio Lower Upper
131 100
133 96.8 47.3 142.0
119 68.1 33.6 100.8





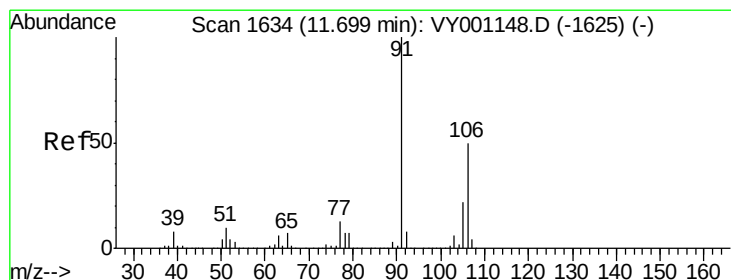
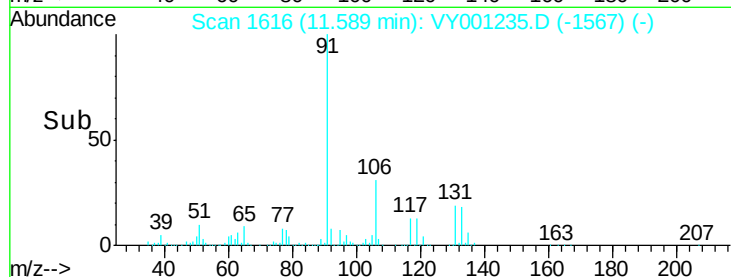
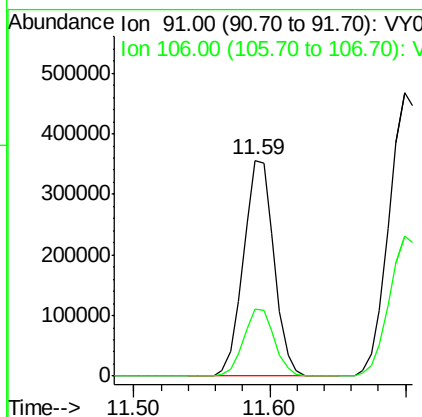
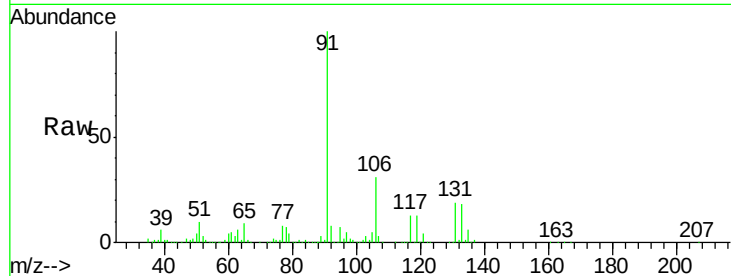
#67
Ethyl Benzene
Concen: 51.614 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	25.3	37.9

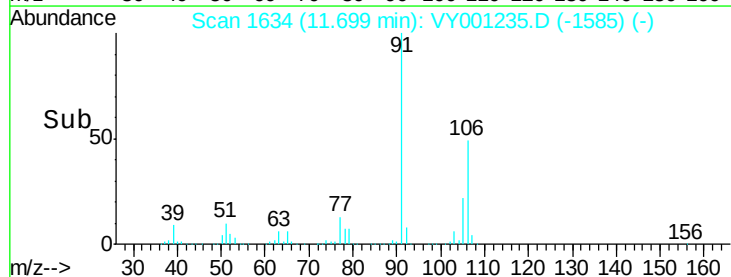
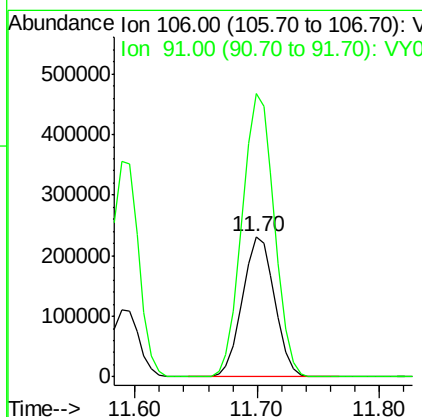
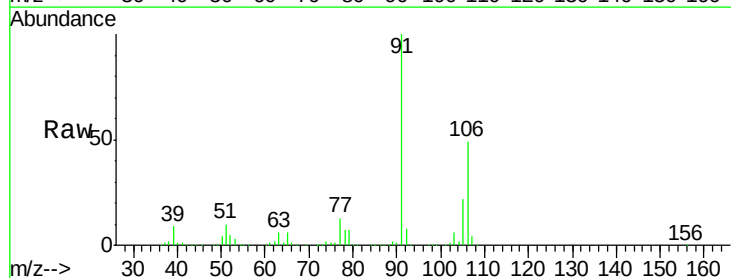
Manual Integrations
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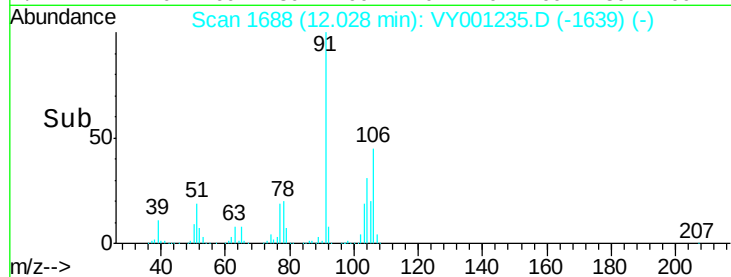
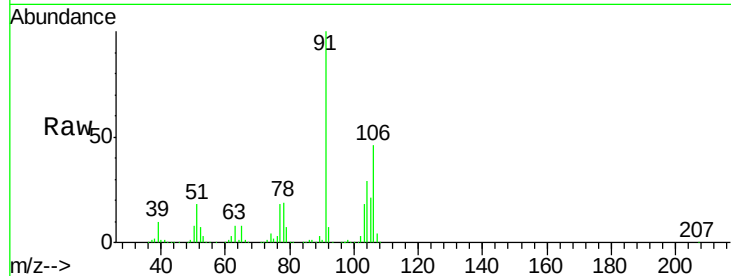
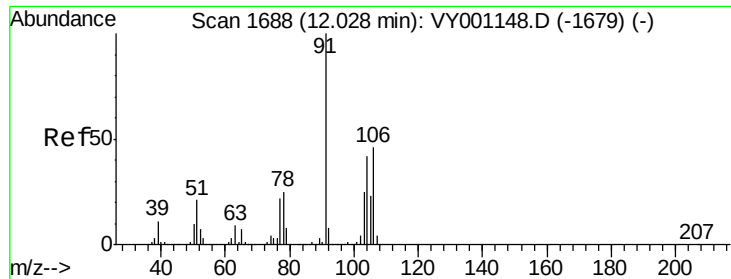
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#68
m/p-Xylenes
Concen: 103.224 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.3	161.4	242.2





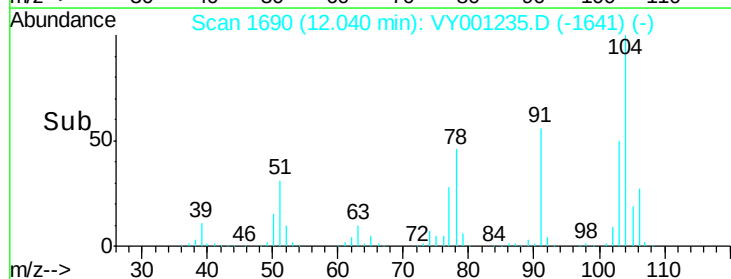
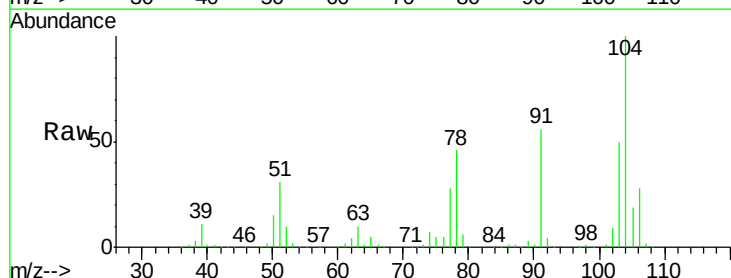
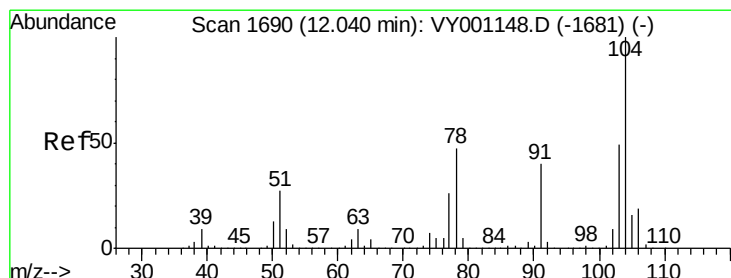
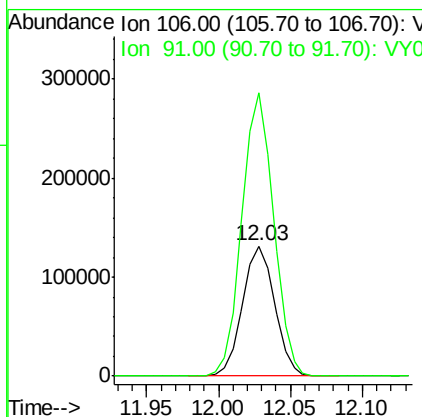
#69
o-Xylene
Concen: 51.781 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tot Ion	Ratio	Resp	Lower	Upper
106	100	202817		
91	215.1	106.3	318.8	

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

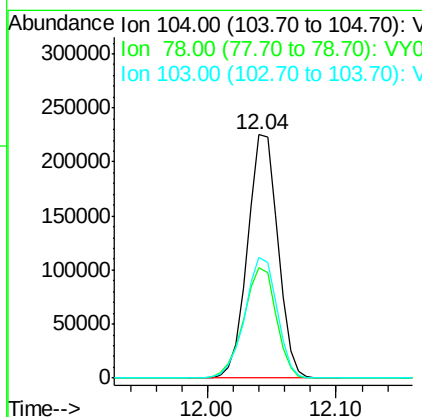
Manual Integrations
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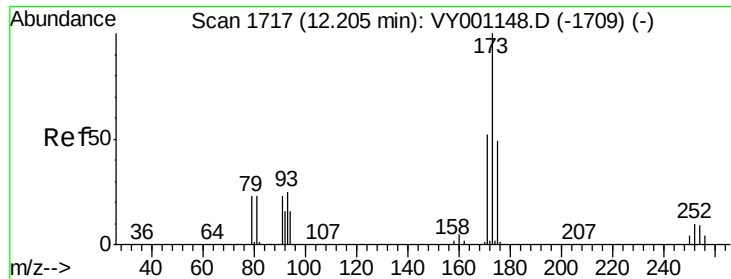
MMDadoda
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#70
Styrene
Concen: 52.780 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	362731		
78	49.1	40.5	60.7	
103	53.1	42.4	63.6	





#71

Bromoform

Concen: 53.089 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 66801

Ion Ratio Lower Upper

173 100

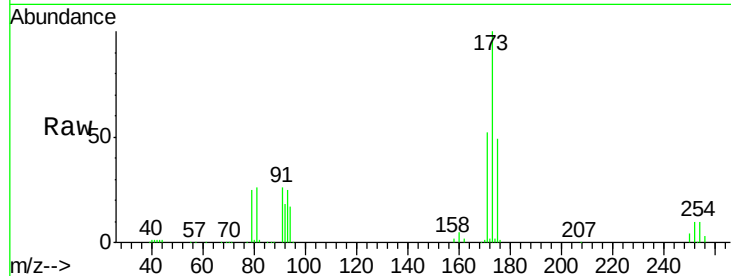
175 47.7 24.1 72.2

254 0.0 0.1 0.1#

Manual Integrations
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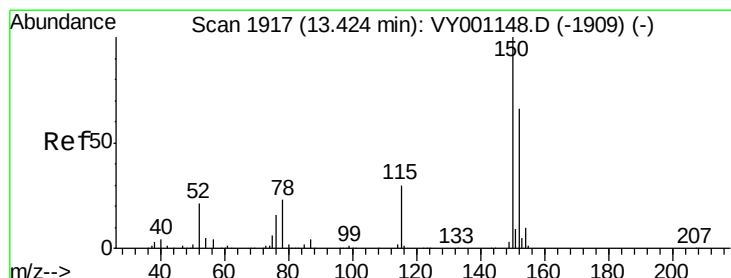
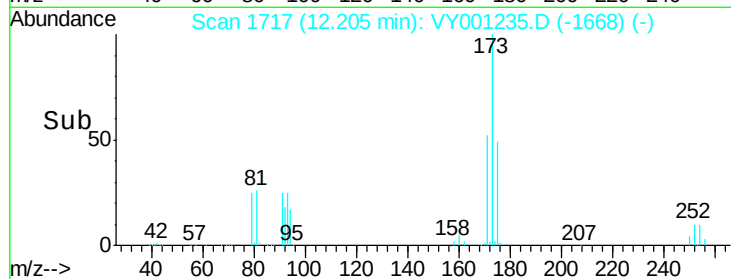
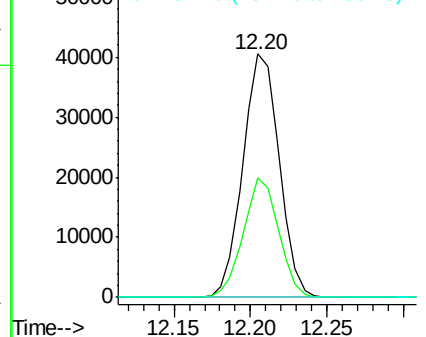
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VY001235.D

Acq: 15 Jan 2020 22:15

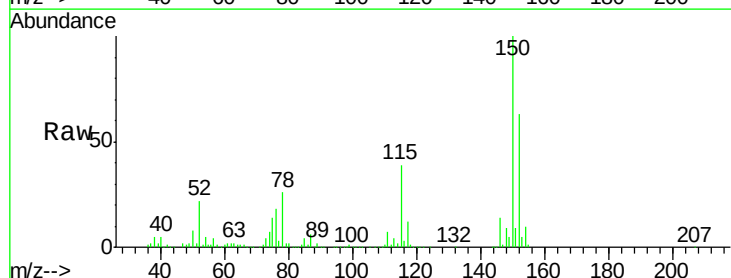
Tgt Ion:152 Resp: 141094

Ion Ratio Lower Upper

152 100

115 61.1 30.9 92.5

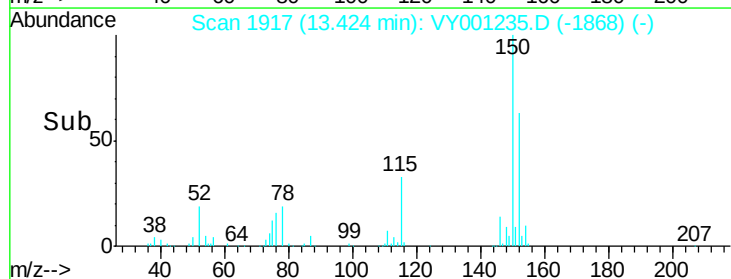
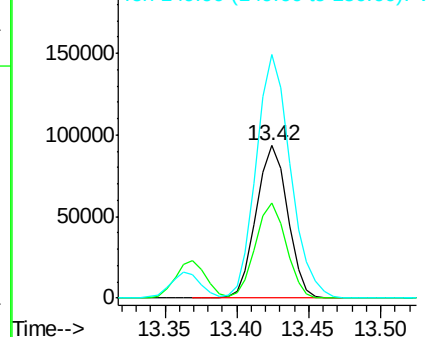
150 173.9 0.0 346.8

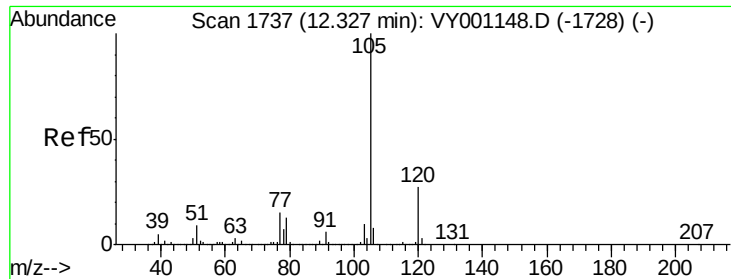


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





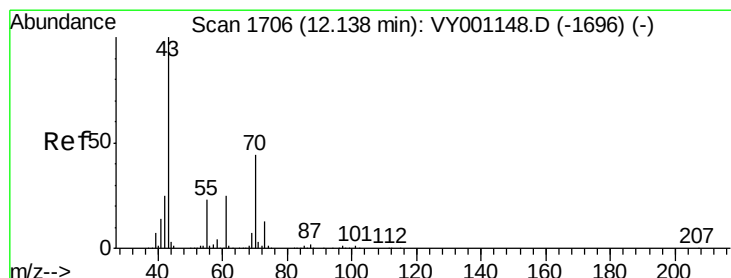
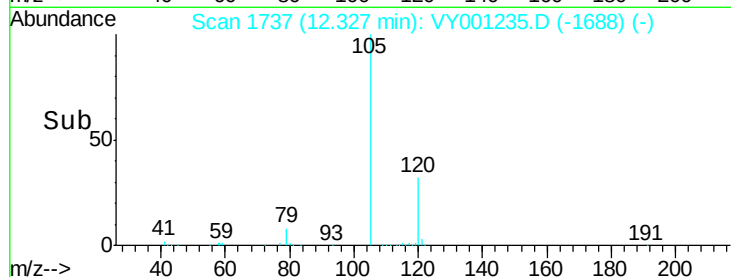
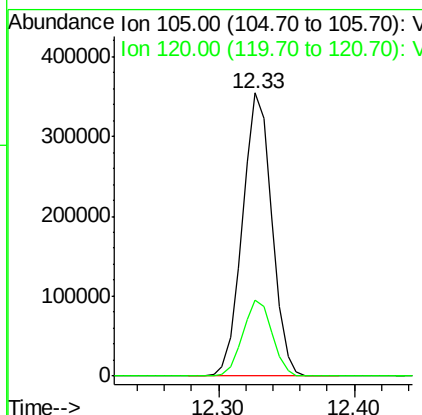
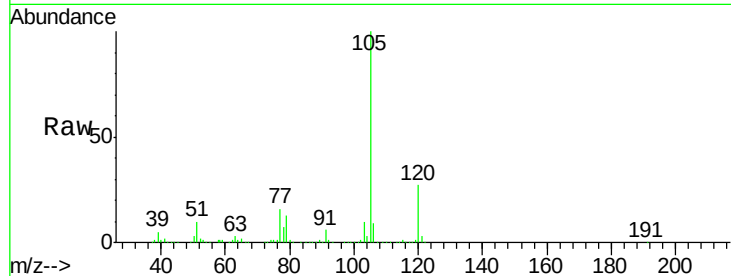
#73
Isopropylbenzene
Concen: 50.325 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

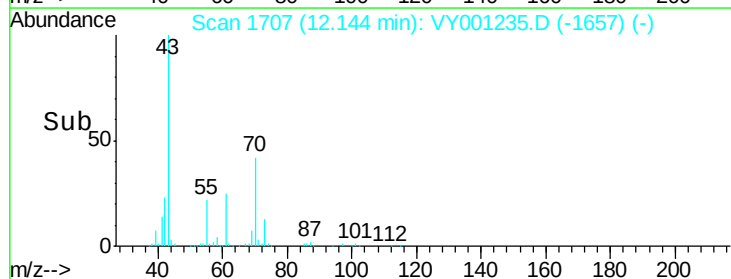
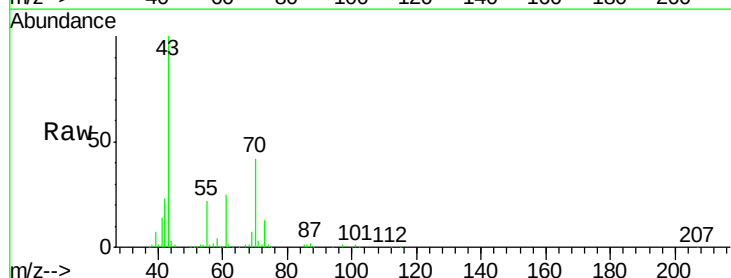
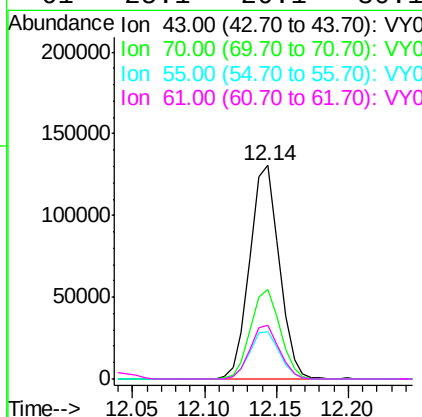
Manual Integrations
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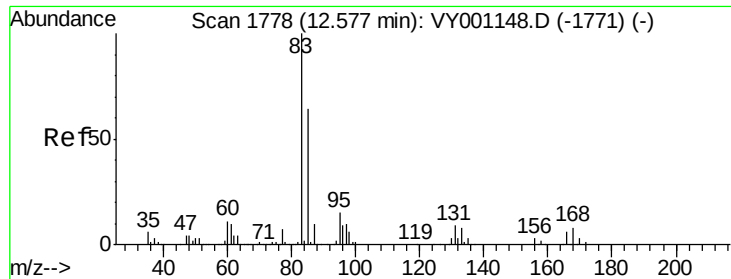
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#74
N-ethyl acetate
Concen: 55.576 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.6	35.0	52.6
55	22.8	18.4	27.6
61	25.1	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 54.011 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

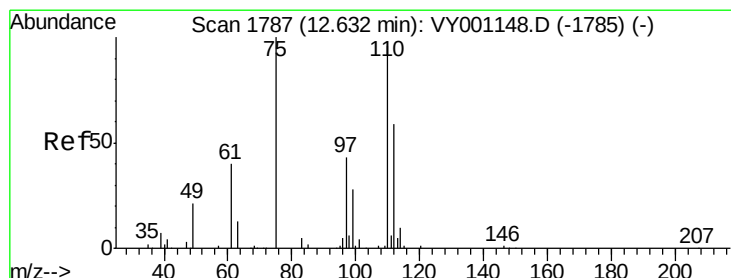
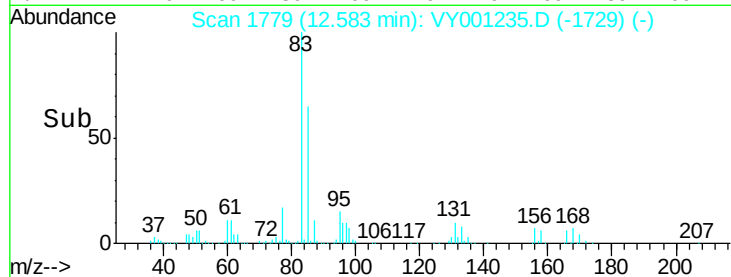
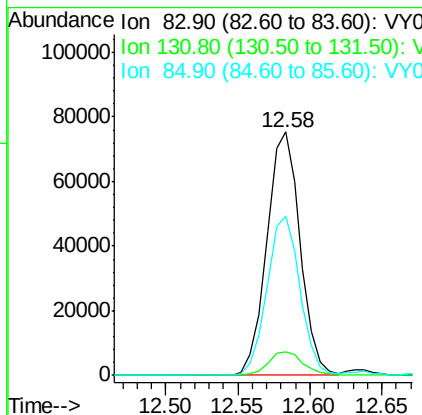
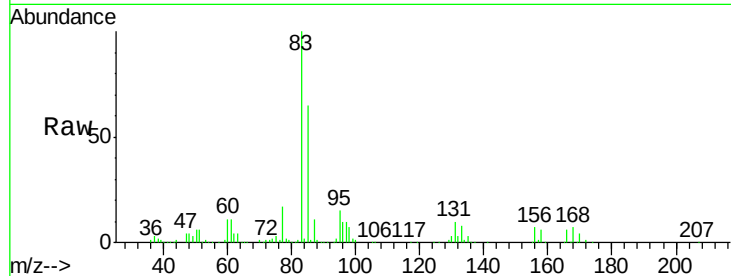
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	120533
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	65.1	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.552 ug/l m

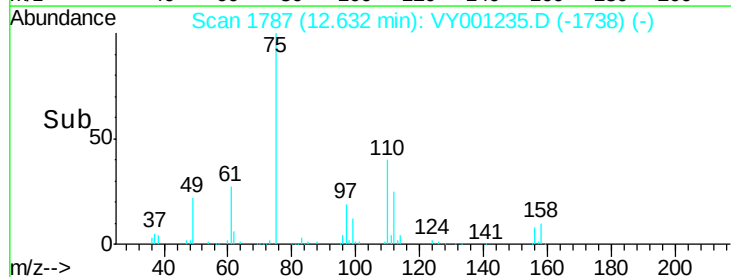
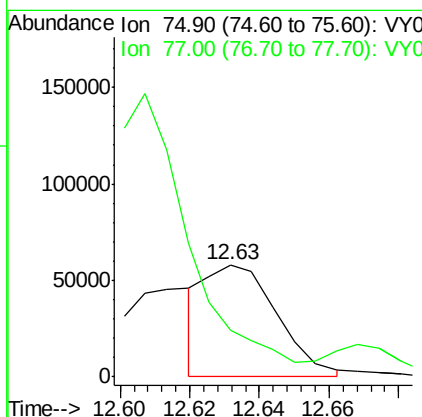
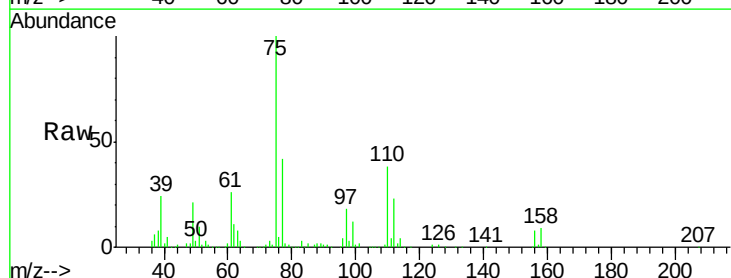
RT: 12.63 min Scan# 1787

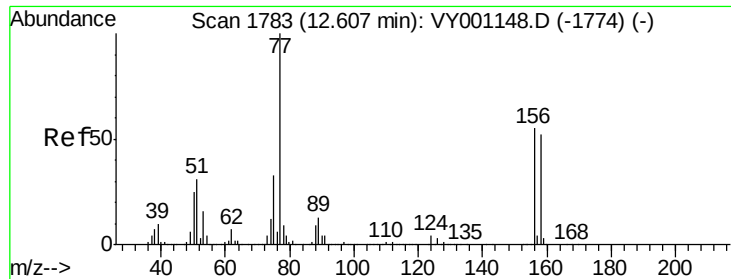
Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Tgt Ion:	75	Resp:	83907
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





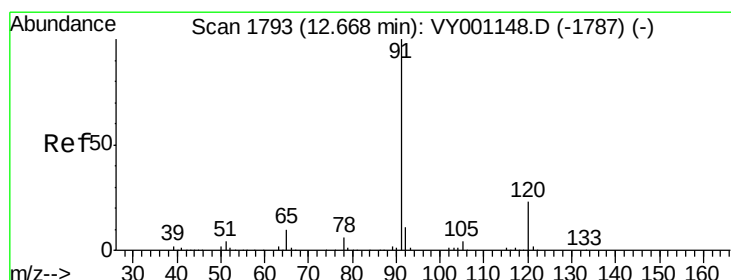
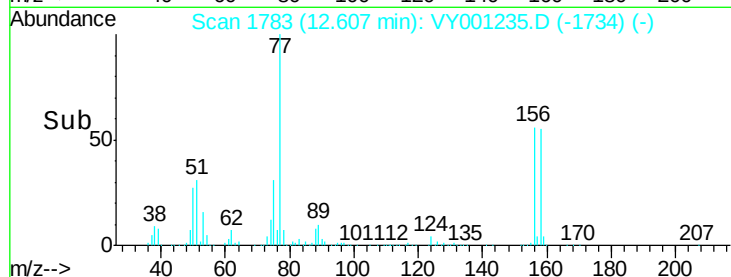
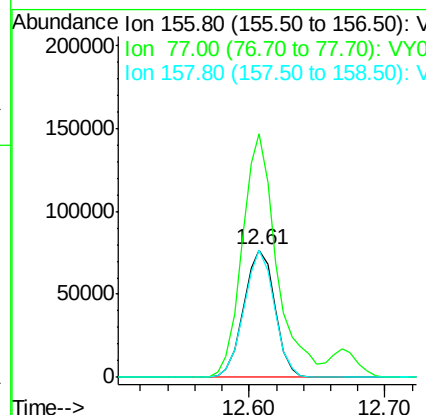
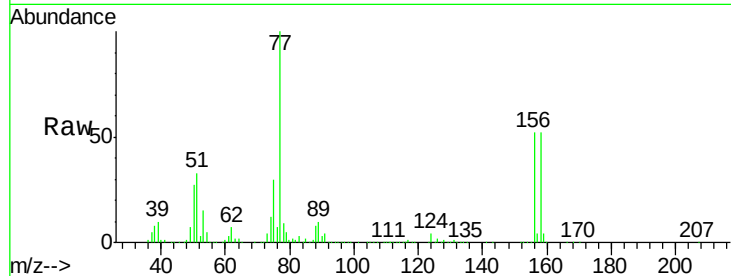
#77
Bromobenzene
Concen: 52.140 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	210.5	106.7	320.1
158	97.1	48.3	144.8

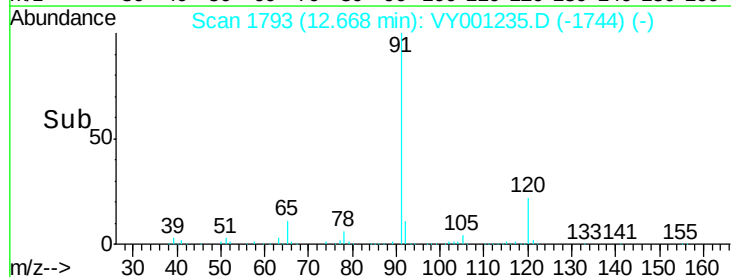
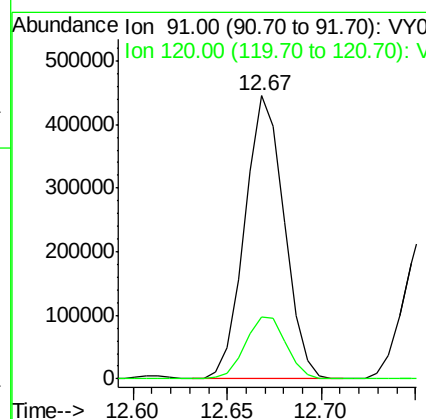
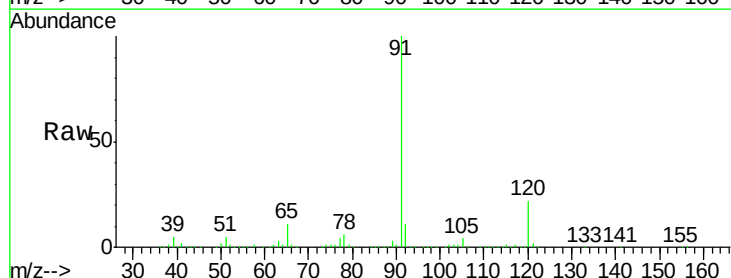
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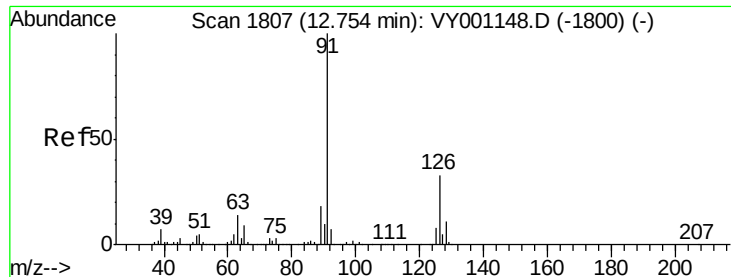
MMDadoda
1/16/2020 9:36:41 AM



#78
n-propylbenzene
Concen: 50.534 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4





#79

2-Chlorotoluene

Concen: 50.801 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 372234

Ion Ratio Lower Upper

91 100

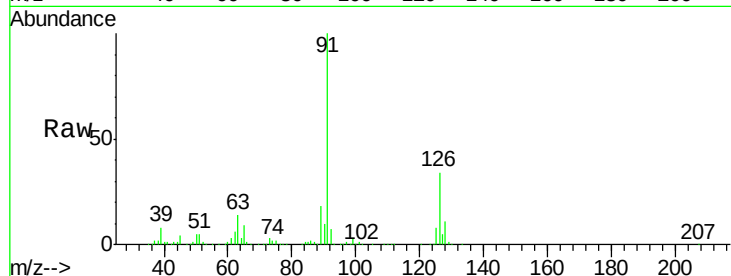
126 33.6 16.4 49.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001148.D (-1800) (-)

400000

300000

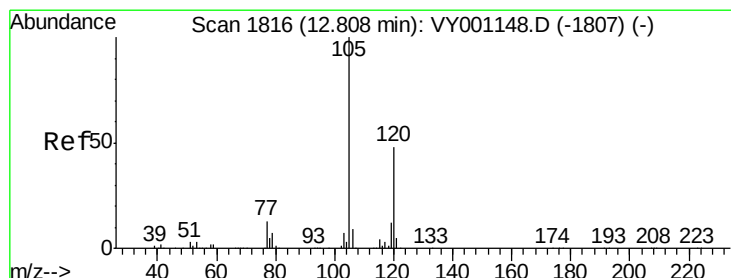
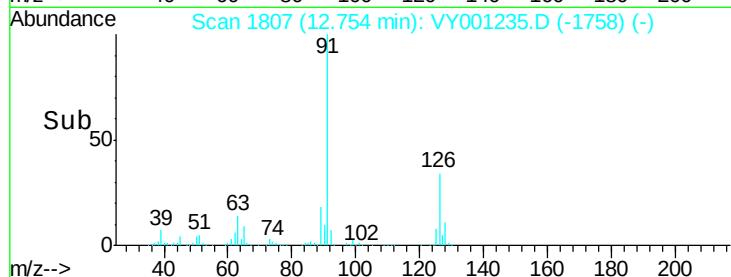
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 51.070 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001235.D

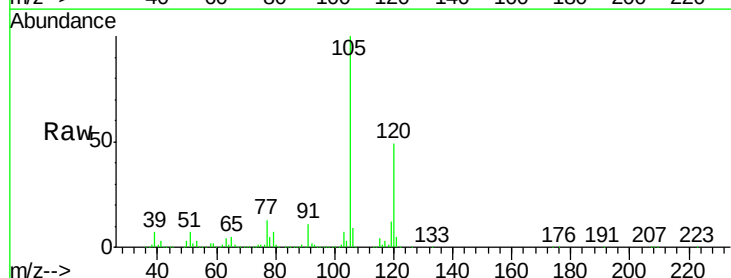
Acq: 15 Jan 2020 22:15

Tgt Ion: 105 Resp: 451982

Ion Ratio Lower Upper

105 100

120 49.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VY001148.D (-1807) (-)

Ion 120.00 (119.70 to 120.70): VY001148.D (-1807) (-)

300000

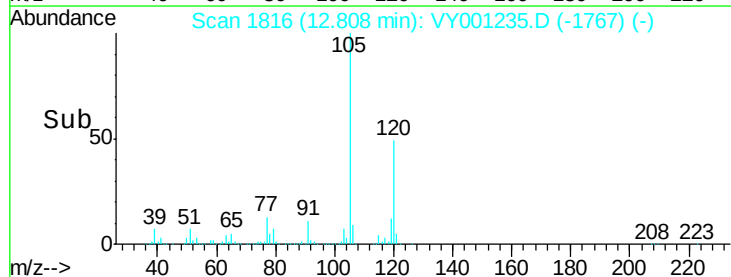
200000

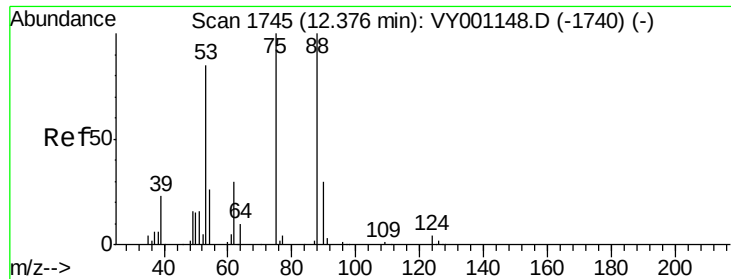
100000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.625 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Instrument :

MSVOA_Y

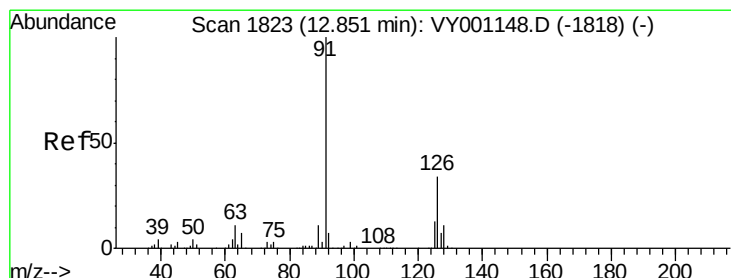
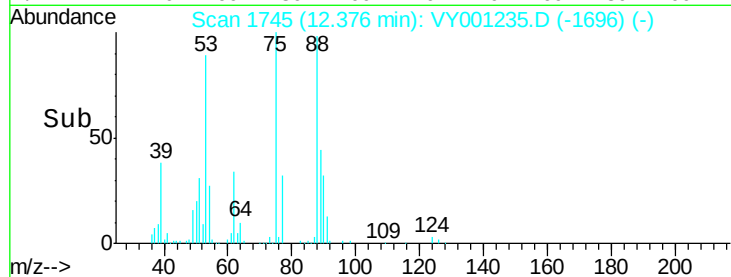
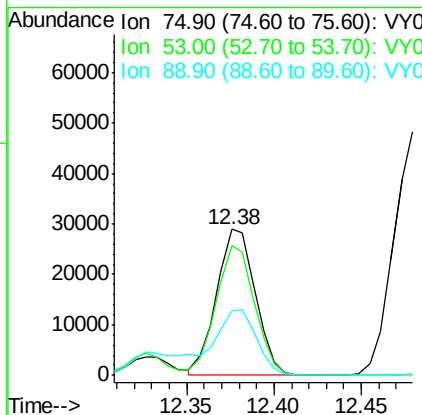
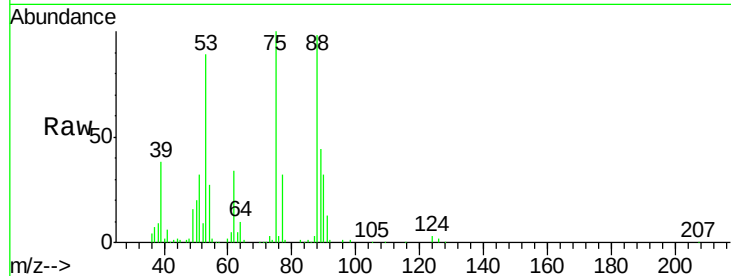
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.4	69.4	104.2
89	45.5	0.0	0.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.852 ug/l

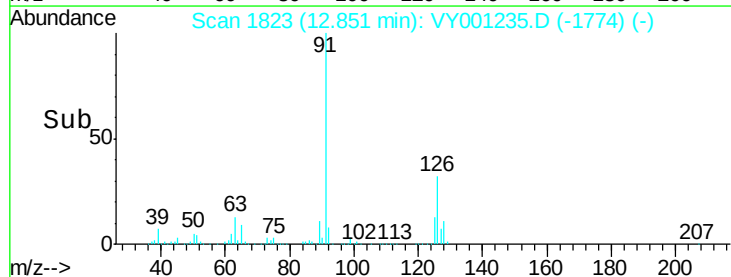
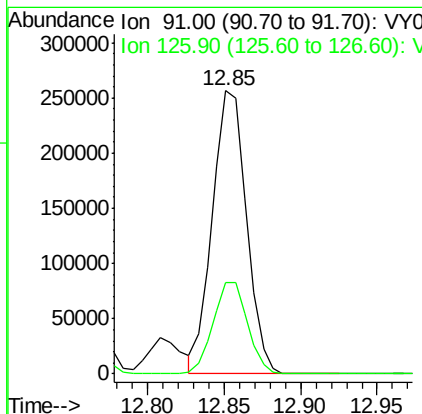
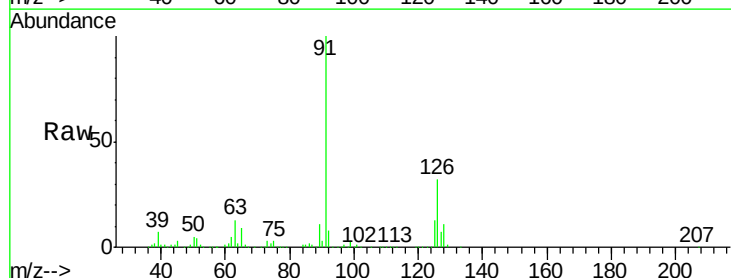
RT: 12.85 min Scan# 1823

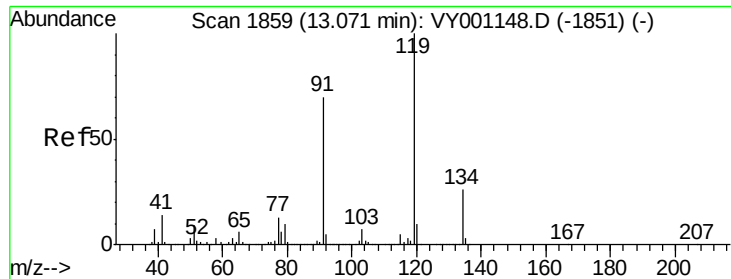
Delta R.T. 0.00 min

Lab File: VY001235.D

Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.3	48.8





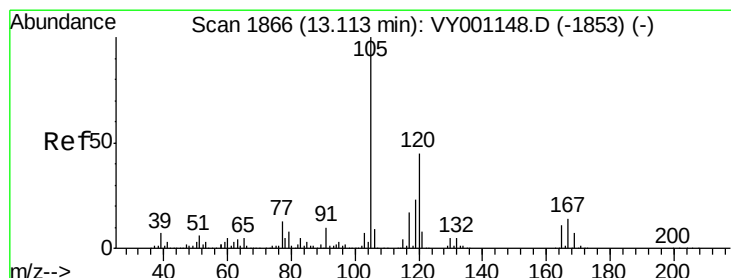
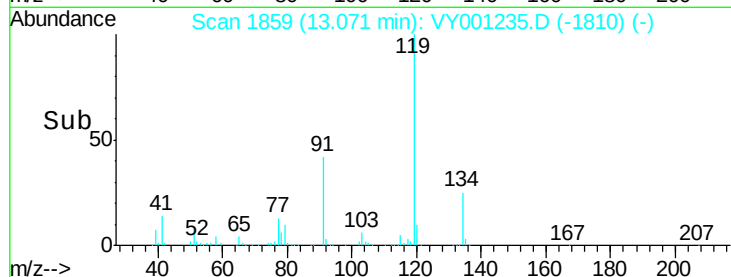
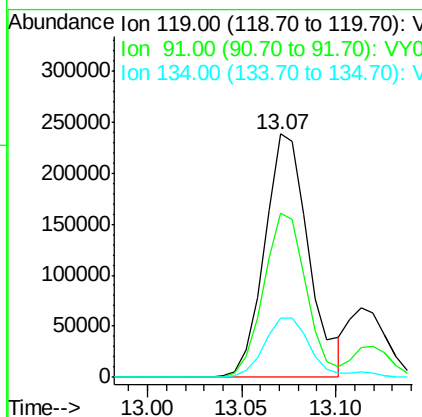
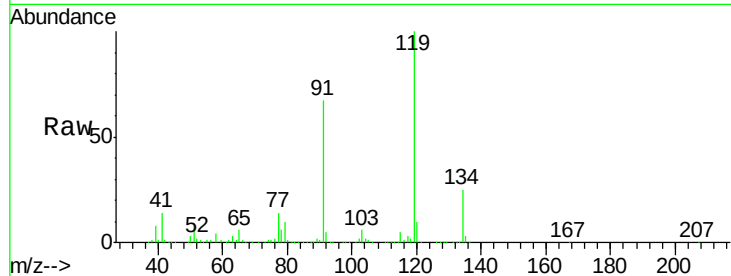
#83
tert-Butylbenzene
Concen: 51.900 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	33.9	101.7
134	26.3	13.5	40.4

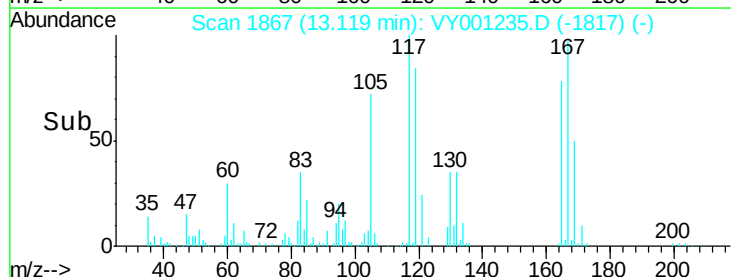
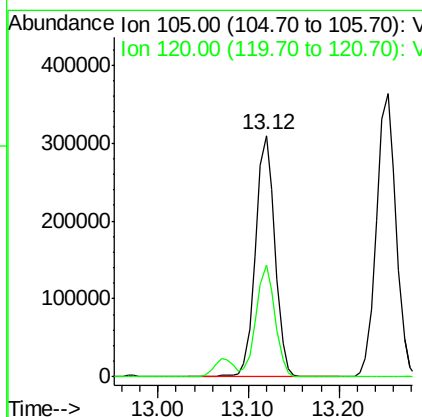
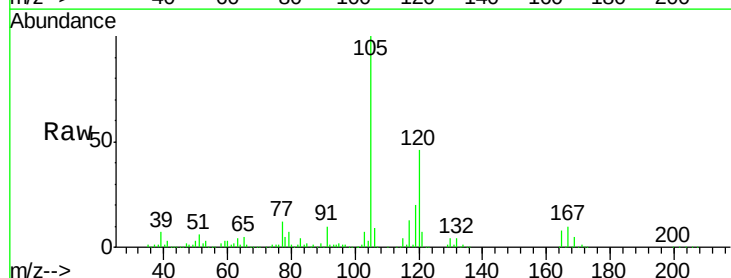
Manual Integrations
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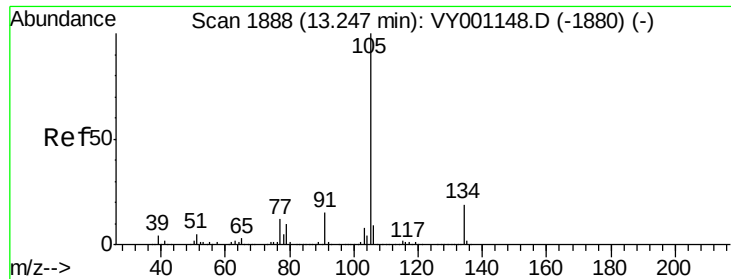
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#84
1,2,4-Trimethylbenzene
Concen: 51.922 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.3





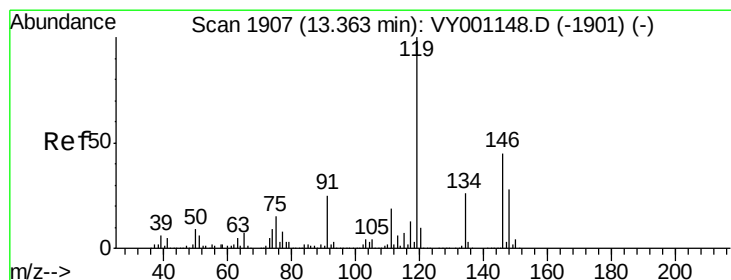
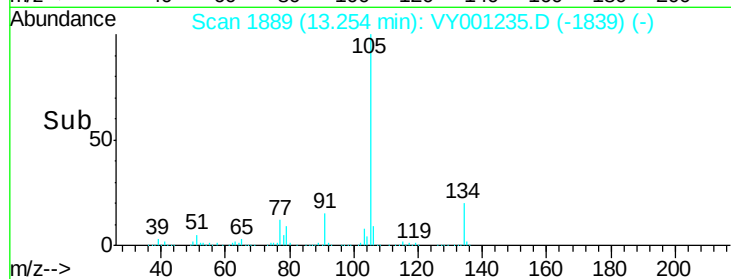
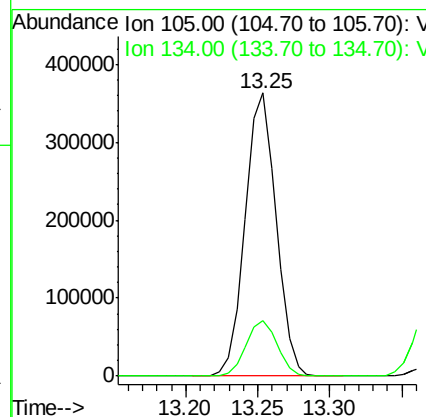
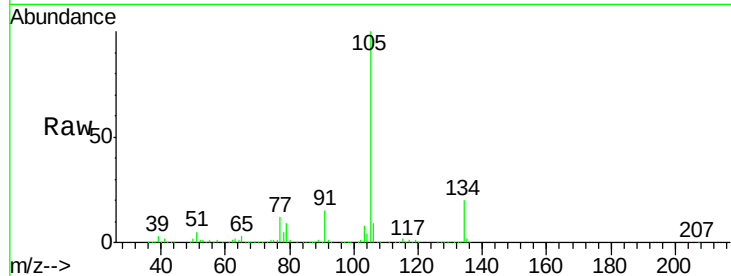
#85
 sec-Butylbenzene
 Concen: 50.485 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	9.8	29.5

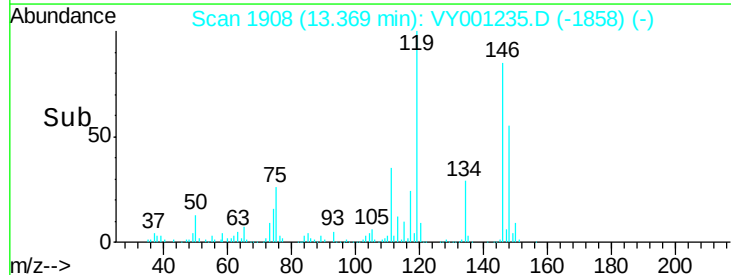
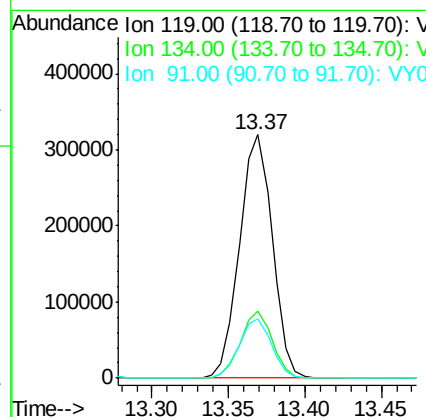
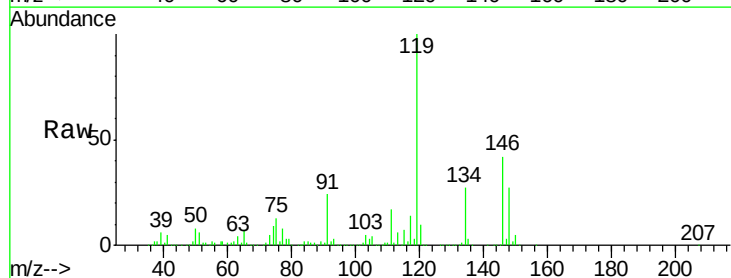
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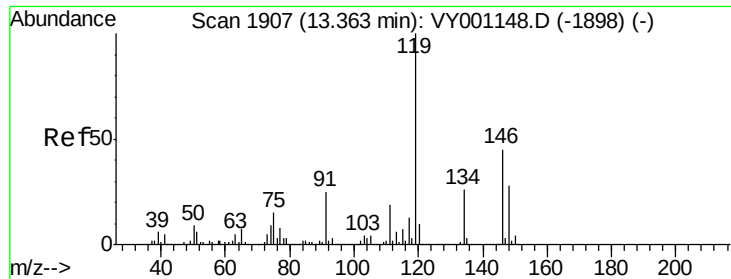
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#86
 p-Isopropyltoluene
 Concen: 51.206 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.2
91	24.1	12.4	37.2





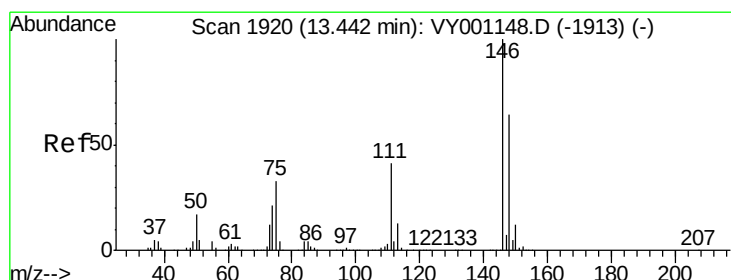
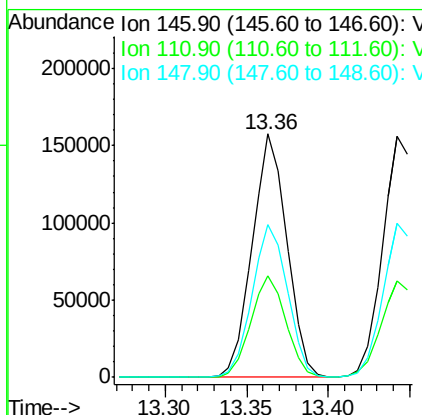
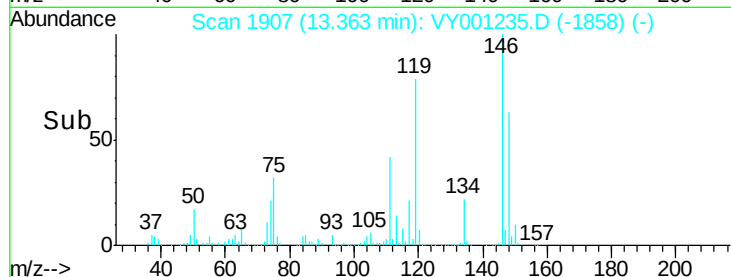
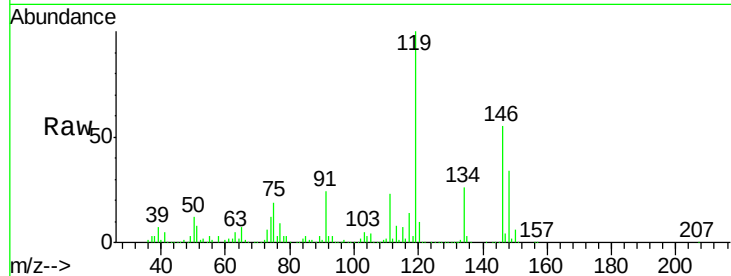
#87
 1,3-Dichlorobenzene
 Concen: 52.751 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	233820		
111	42.0	21.3	64.0	
148	63.8	31.9	95.5	

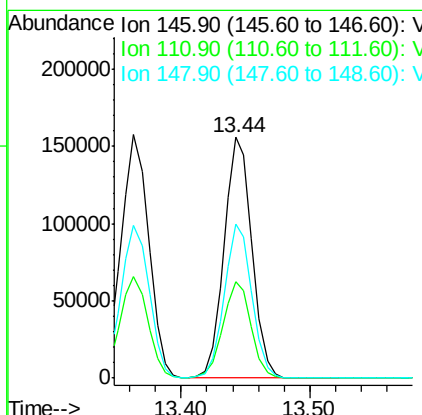
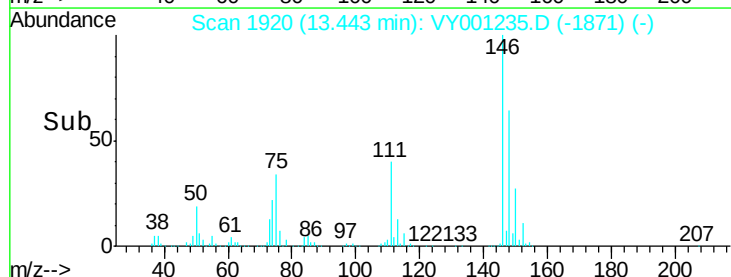
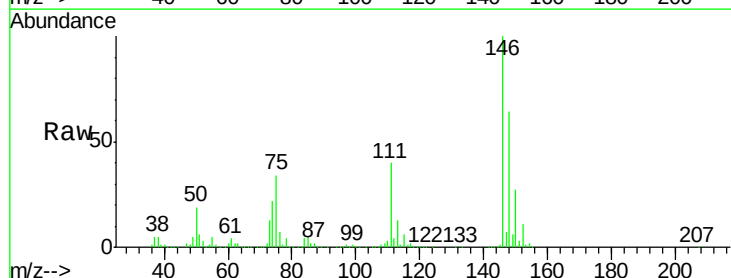
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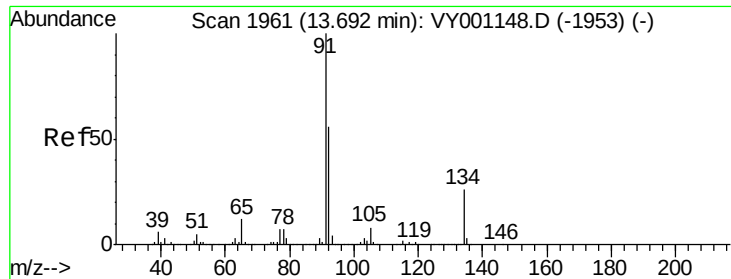
MMDadoda
 1/16/2020 9:36:41 AM



#88
 1,4-Dichlorobenzene
 Concen: 51.768 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	236163		
111	40.5	20.8	62.5	
148	63.2	32.0	96.2	





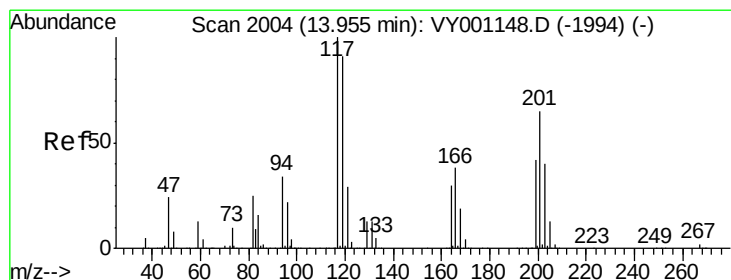
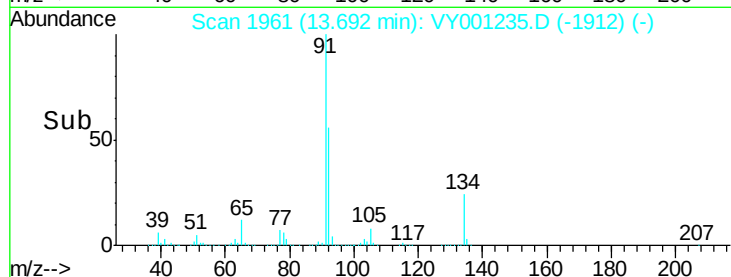
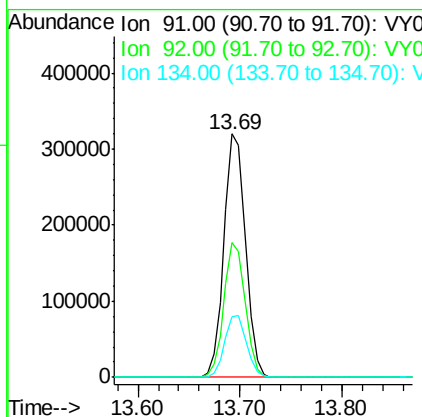
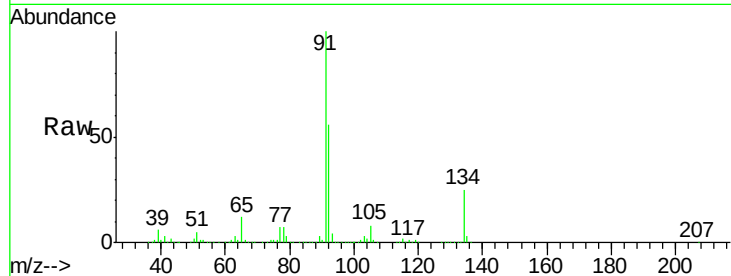
#89
n-Butylbenzene
Concen: 50.154 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.7	83.1
134	25.5	12.9	38.6

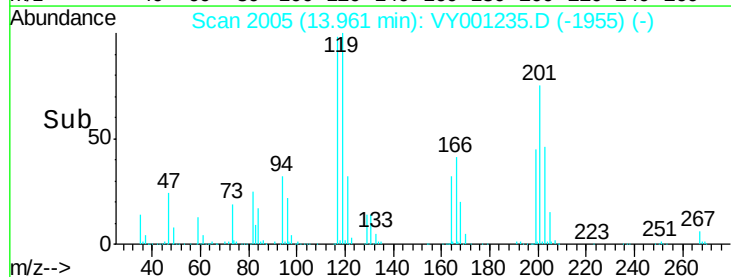
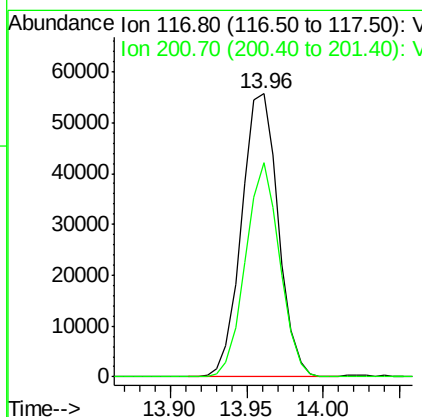
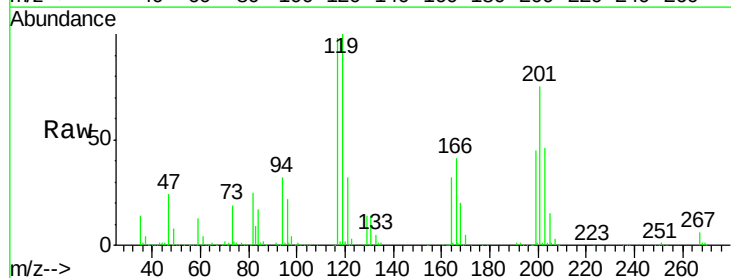
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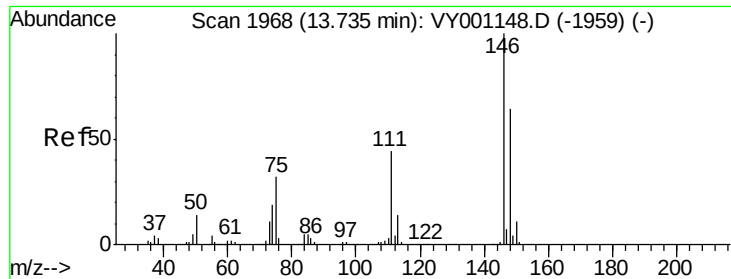
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#90
Hexachloroethane
Concen: 50.921 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	35.4	106.2





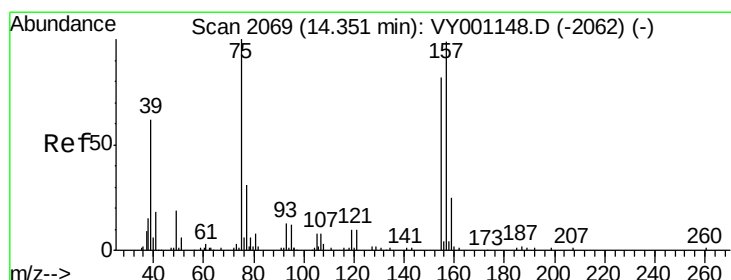
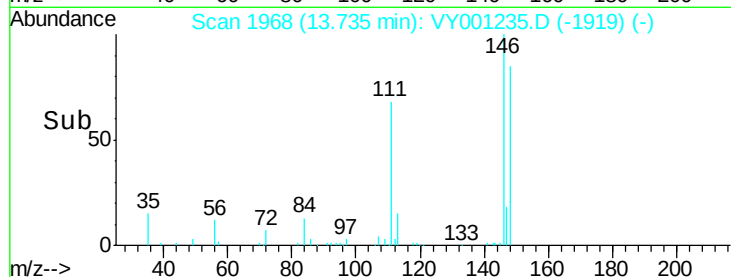
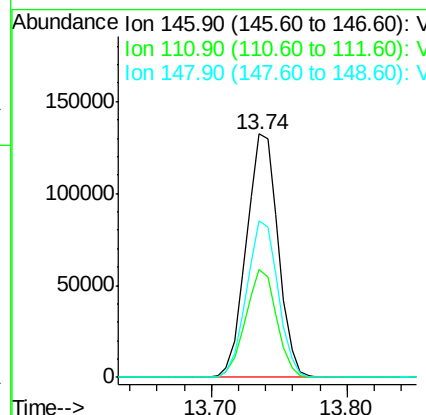
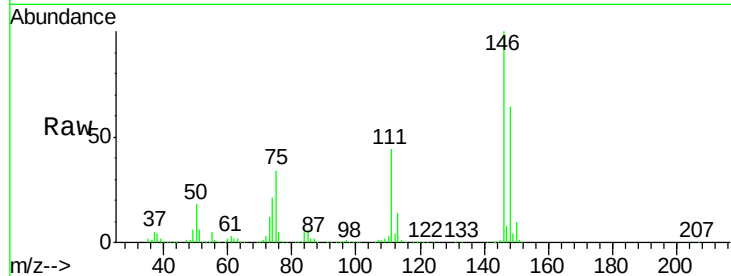
#91
 1,2-Dichlorobenzene
 Concen: 52.485 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.0	66.0
148	63.7	32.1	96.3

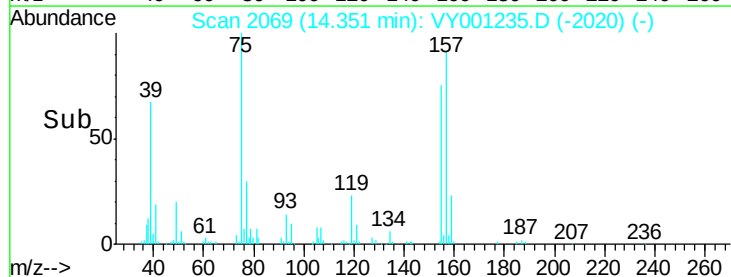
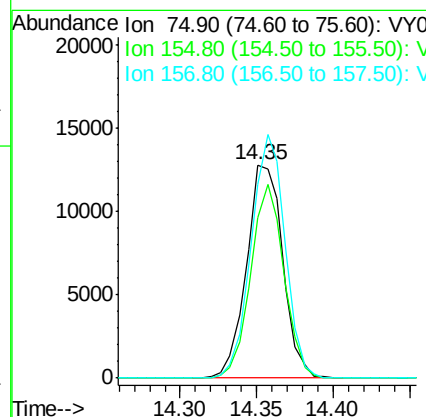
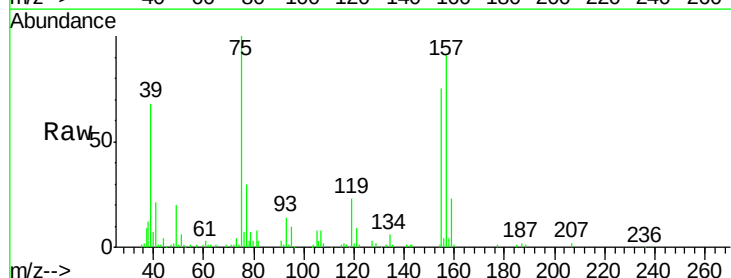
Manual Integrations
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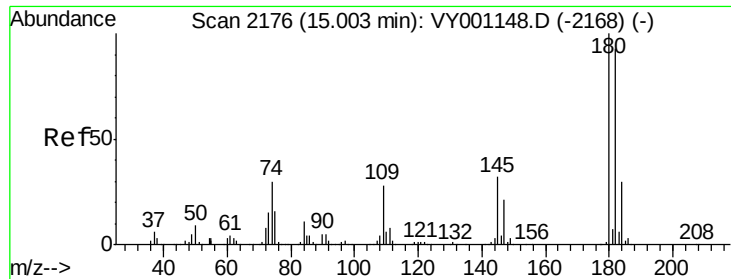
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 1/16/2020 9:36:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.181 ug/l
 RT: 14.35 min Scan# 2069
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	41.2	123.6
157	106.3	52.8	158.4





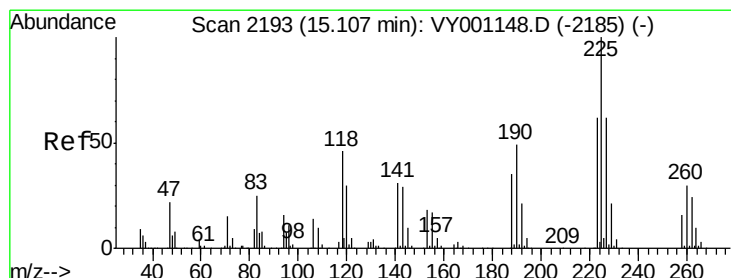
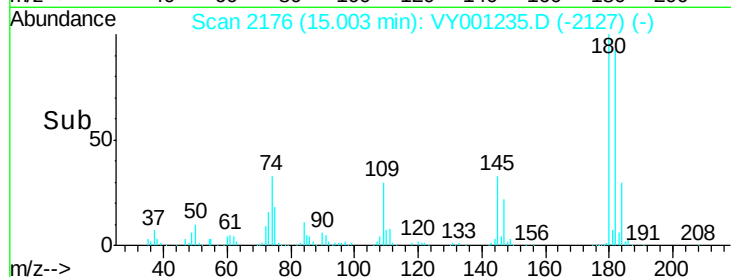
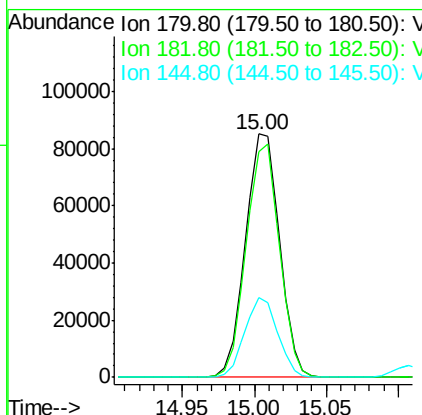
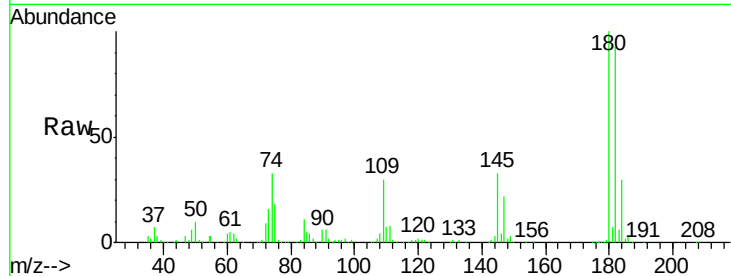
#93
 1,2,4-Trichlorobenzene
 Concen: 51.134 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	138789		
182	93.5	46.9	140.8	
145	31.7	16.0	48.0	

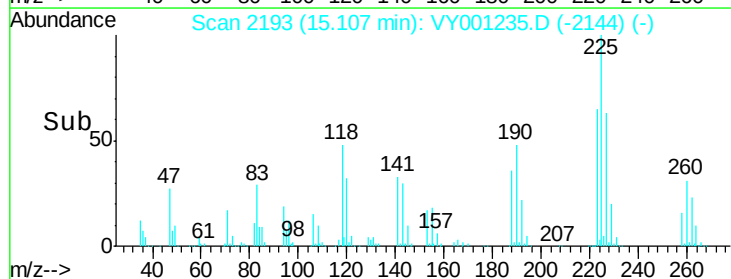
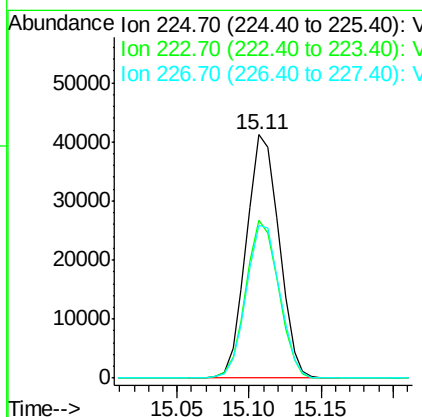
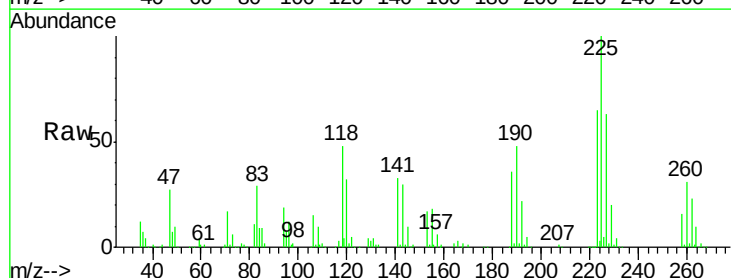
Manual Integrations
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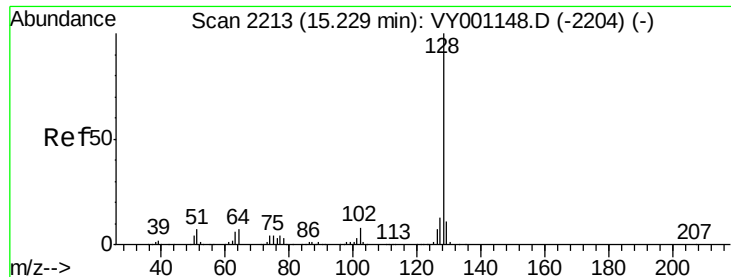
MMDadoda
 1/16/2020 9:36:41 AM



#94
 Hexachlorobutadiene
 Concen: 47.517 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001235.D
 Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64973		
223	64.5	31.1	93.3	
227	64.0	31.3	93.9	





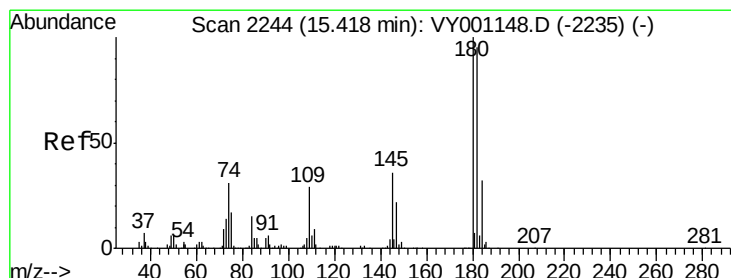
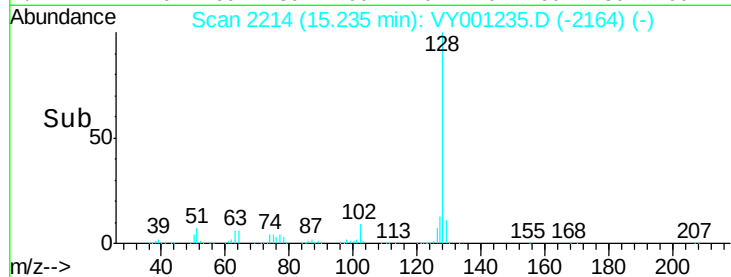
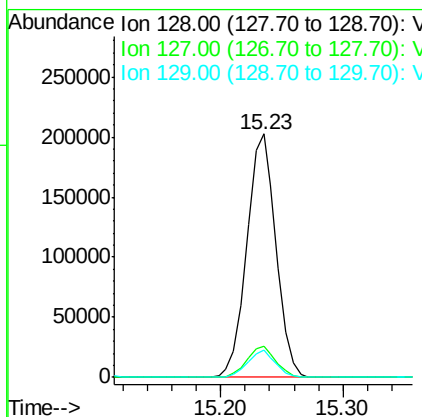
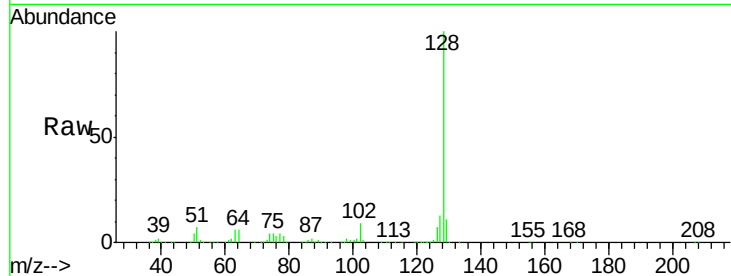
#95
Naphthalene
Concen: 52.819 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/16/2020 9:36:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.327 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY001235.D
Acq: 15 Jan 2020 22:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.5	142.5
145	33.9	17.1	51.3

