

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011520\
 Data File : VY001251.D
 Acq On : 16 Jan 2020 04:29
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/16/2020 9:37:05 AM

Quant Time: Jan 16 07:29:52 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	176191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	324297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	292696	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	141091	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	98117	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	
35) Dibromofluoromethane	7.73	113	88978	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	10.18	98	368993	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.48	95	141874	47.43	ug/l	0.00
Spiked Amount			Recovery	=	94.86%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	67748	50.067	ug/l	98
3) Chloromethane	2.12	50	104506	53.581	ug/l	100
4) Vinyl Chloride	2.26	62	109806	55.883	ug/l	99
5) Bromomethane	2.65	94	73847	69.966	ug/l	100
6) Chloroethane	2.80	64	71220	62.738	ug/l	99
7) Trichlorofluoromethane	3.13	101	131783	48.182	ug/l	97
8) Diethyl Ether	3.54	74	58518	55.061	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	84753	48.141	ug/l	98
10) Methyl Iodide	4.10	142	124783	51.782	ug/l	100
11) Tert butyl alcohol	4.97	59	54191	289.435	ug/l	100
12) 1,1-Dichloroethene	3.88	96	89280	49.567	ug/l	100
13) Acrolein	3.74	56	41920	248.703	ug/l	98
14) Allyl chloride	4.49	41	159994	52.630	ug/l	99
15) Acrylonitrile	5.18	53	154910	291.447	ug/l	99
16) Acetone	3.96	43	116888	270.464	ug/l	97
17) Carbon Disulfide	4.20	76	294977	50.600	ug/l	98
18) Methyl Acetate	4.49	43	82268	57.575	ug/l	98
19) Methyl tert-butyl Ether	5.24	73	275911	55.379	ug/l	98
20) Methylene Chloride	4.73	84	116137	58.616	ug/l	96
21) trans-1,2-Dichloroethene	5.24	96	107719	52.743	ug/l	94
22) Diisopropyl ether	6.13	45	346113	55.743	ug/l	98
23) Vinyl Acetate	6.08	43	1127413	283.915	ug/l	99
24) 1,1-Dichloroethane	6.03	63	185425	54.550	ug/l	99
25) 2-Butanone	7.00	43	202992	301.794	ug/l	98
26) 2,2-Dichloropropane	6.99	77	140625	44.988	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	123952	55.388	ug/l	98
28) Bromochloromethane	7.35	49	91077	65.249	ug/l	99
29) Tetrahydrofuran	7.36	42	136705	296.575	ug/l	98
30) Chloroform	7.52	83	182195	54.703	ug/l	97
31) Cyclohexane	7.79	56	165527	45.992	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	152580	51.631	ug/l	100
36) 1,1-Dichloropropene	7.93	75	140500	47.534	ug/l	100
37) Ethyl Acetate	7.09	43	91789	52.915	ug/l	99
38) Carbon Tetrachloride	7.91	117	127402	47.032	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	179214	44.723	ug/l	98
40) Benzene	8.17	78	445053	51.582	ug/l	100
41) Methacrylonitrile	7.34	41	58561m	71.868	ug/l	
42) 1,2-Dichloroethane	8.25	62	125634	52.002	ug/l	99
43) Isopropyl Acetate	8.28	43	179338	54.066	ug/l	98
44) Trichloroethene	8.94	130	111718	49.692	ug/l	100
45) 1,2-Dichloropropane	9.22	63	111799	52.413	ug/l	99
46) Dibromomethane	9.31	93	61480	52.826	ug/l	99
47) Bromodichloromethane	9.50	83	146010	51.478	ug/l	100
48) Methyl methacrylate	9.30	41	82588	53.804	ug/l	100
49) 1,4-Dioxane	9.30	88	16845	1188.506	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	461838	274.398	ug/l	99
52) Toluene	10.25	92	279207	50.737	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	159309	50.194	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	178124	49.777	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	90735	52.589	ug/l	98
56) Ethyl methacrylate	10.51	69	139085	52.699	ug/l	98
57) 1,3-Dichloropropane	10.79	76	158447	53.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	216944	233.713	ug/l	99
59) 2-Hexanone	10.83	43	332273	281.690	ug/l	98
60) Dibromochloromethane	10.99	129	102324	51.509	ug/l	99
61) 1,2-Dibromoethane	11.09	107	86701	51.464	ug/l	99
64) Tetrachloroethene	10.72	164	93887	49.760	ug/l	98
65) Chlorobenzene	11.52	112	293403	50.167	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	103965	51.577	ug/l	99
67) Ethyl Benzene	11.59	91	536259	50.123	ug/l	99
68) m/p-Xylenes	11.70	106	403041	99.864	ug/l	99
69) o-Xylene	12.03	106	195038	50.403	ug/l	99
70) Styrene	12.04	104	348219	51.288	ug/l	99
71) Bromoform	12.20	173	62628	50.380	ug/l #	98
73) Isopropylbenzene	12.33	105	514746	48.530	ug/l	100
74) N-amyl acetate	12.14	43	181431	54.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	115190	51.618	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	77906m	51.580	ug/l	
77) Bromobenzene	12.61	156	118386	50.512	ug/l	98
78) n-propylbenzene	12.67	91	619684	48.571	ug/l	99
79) 2-Chlorotoluene	12.75	91	361041	49.274	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	434715	49.120	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	41496	46.589	ug/l #	99
82) 4-Chlorotoluene	12.85	91	383615	49.041	ug/l	99
83) tert-Butylbenzene	13.07	119	360946	48.537	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	443277	50.437	ug/l	100
85) sec-Butylbenzene	13.25	105	518343	48.452	ug/l	99
86) p-Isopropyltoluene	13.37	119	458413	49.353	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	226732	51.153	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	226708	49.696	ug/l	99
89) n-Butylbenzene	13.69	91	449585	48.057	ug/l	99
90) Hexachloroethane	13.95	117	90344	49.778	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	213678	51.871	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20311	50.456	ug/l	97

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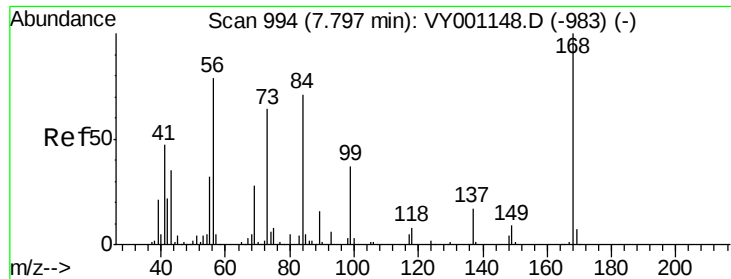
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	136688	50.361	ug/l	98
94) Hexachlorobutadiene	15.11	225	63136	46.174	ug/l	95
95) Naphthalene	15.23	128	339375	53.710	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	123767	51.741	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 176191

Ion Ratio Lower Upper

168 100

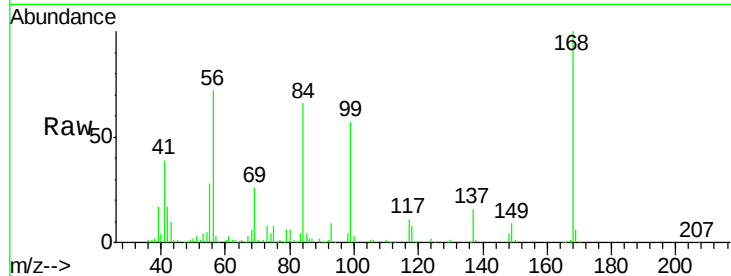
99 57.1 47.9 71.9

Manual Integrations

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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

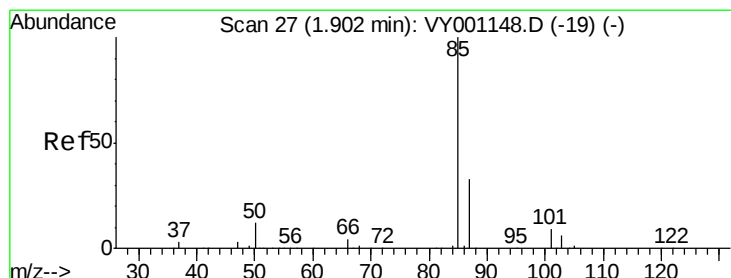
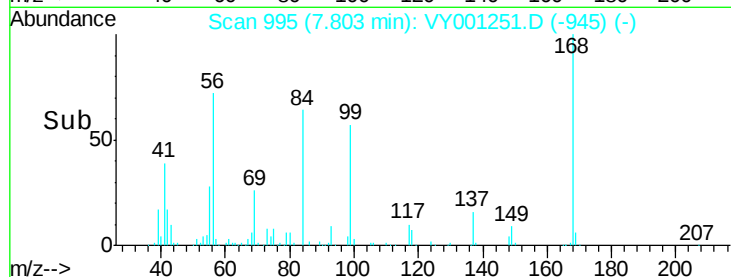
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 50.067 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY001251.D

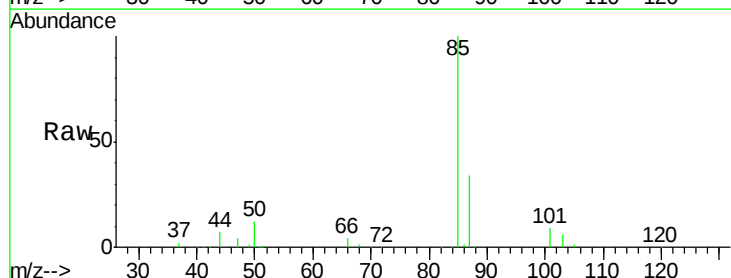
Acq: 16 Jan 2020 04:29

Tgt Ion: 85 Resp: 67748

Ion Ratio Lower Upper

85 100

87 33.7 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

50000

40000

30000

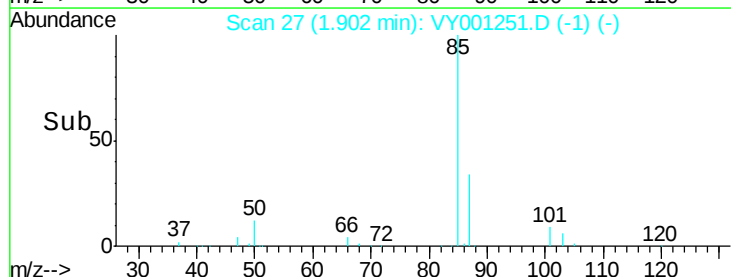
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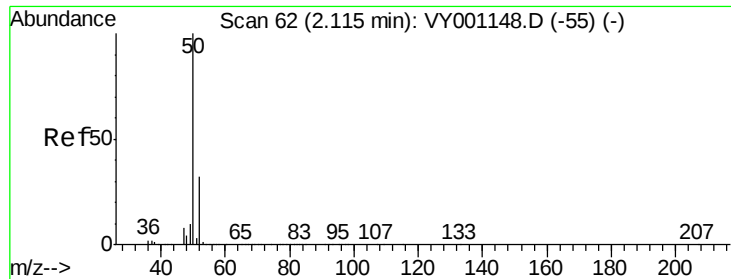
10000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 53.581 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 104506

Ion Ratio Lower Upper

50 100

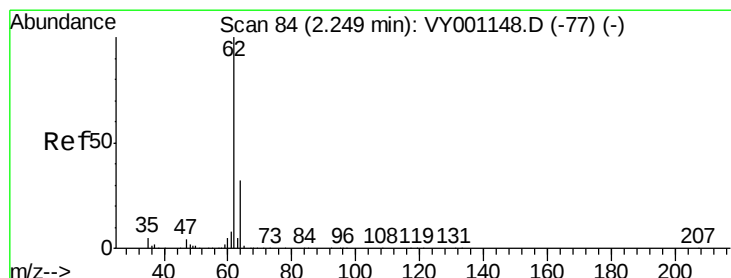
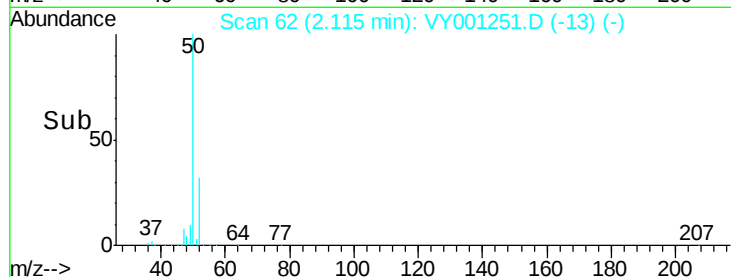
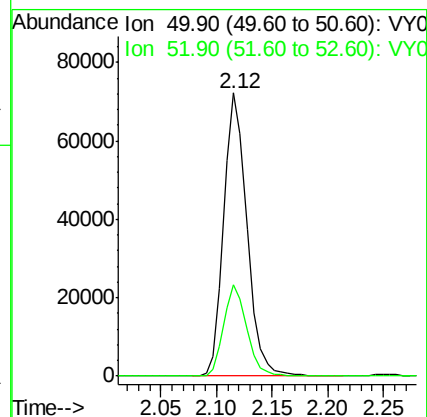
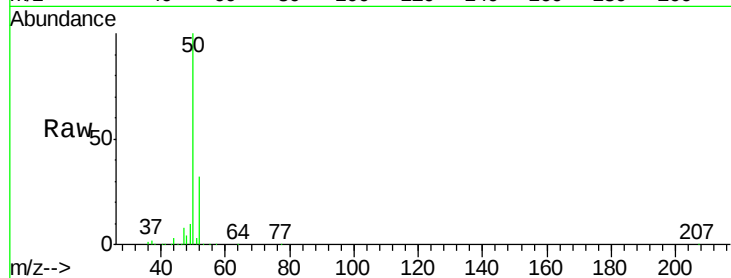
52 32.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 55.883 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001251.D

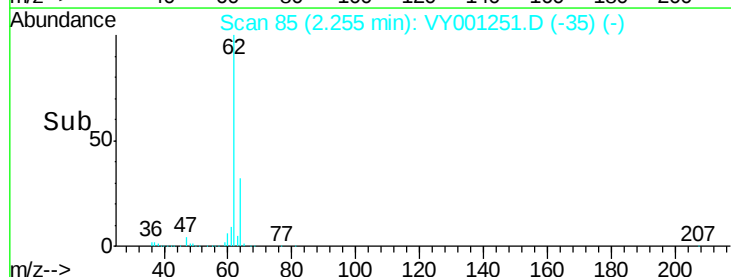
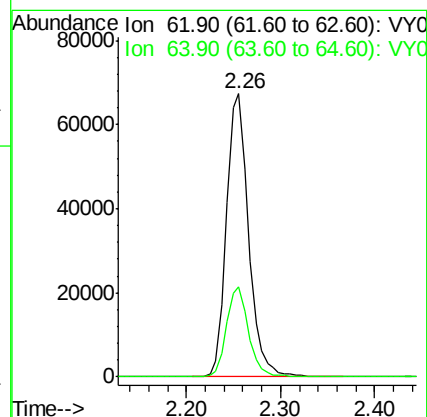
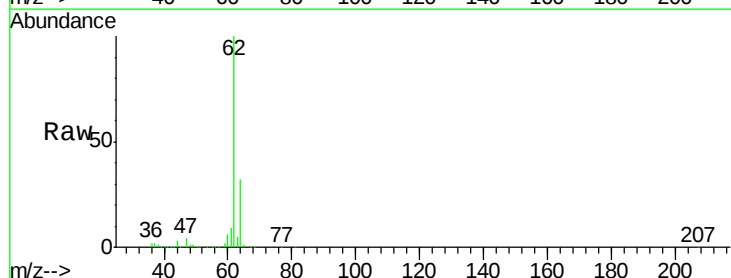
Acq: 16 Jan 2020 04:29

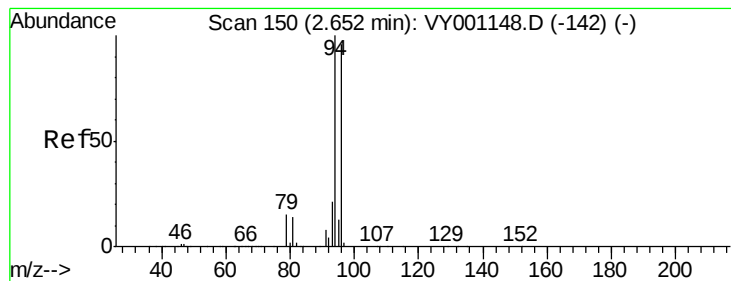
Tgt Ion: 62 Resp: 109806

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 69.966 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 73847

Ion Ratio Lower Upper

94 100

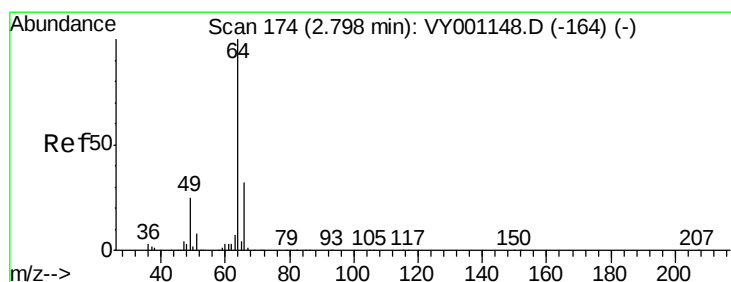
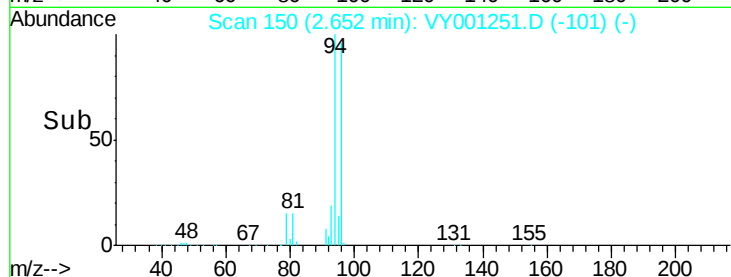
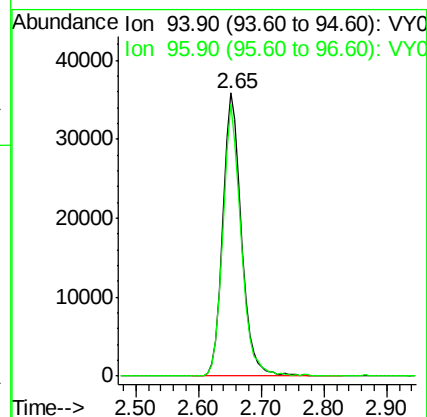
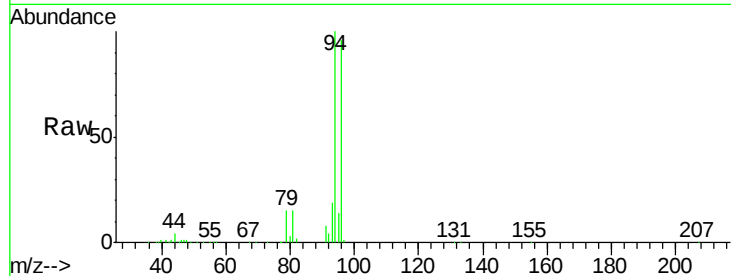
96 96.3 77.3 115.9

Manual Integrations

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#6

Chloroethane

Concen: 62.738 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY001251.D

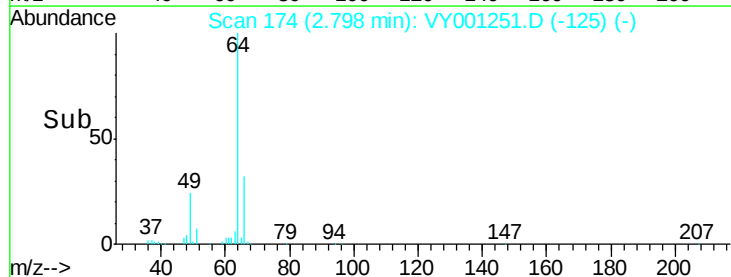
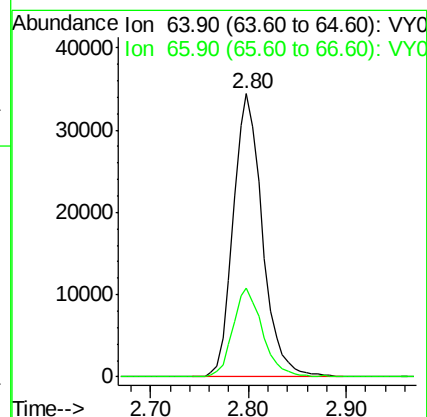
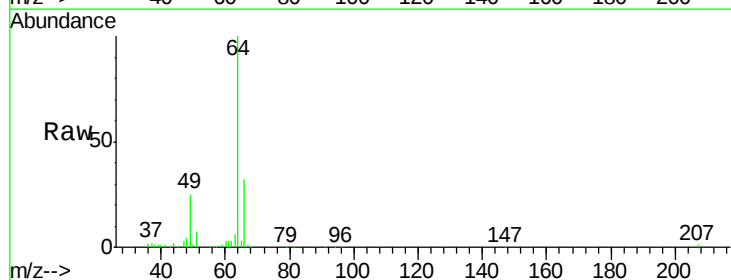
Acq: 16 Jan 2020 04:29

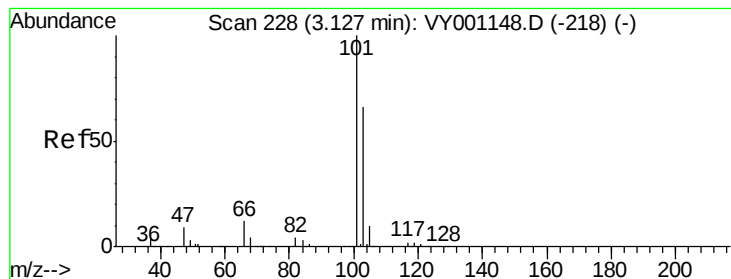
Tgt Ion: 64 Resp: 71220

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

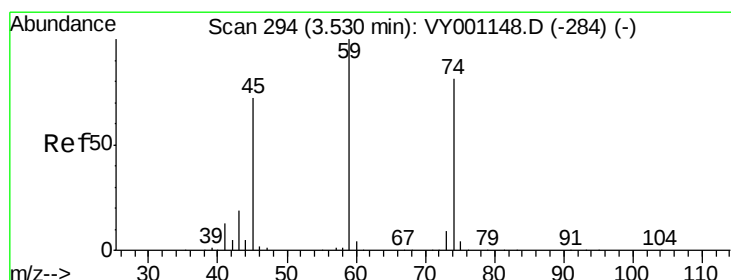
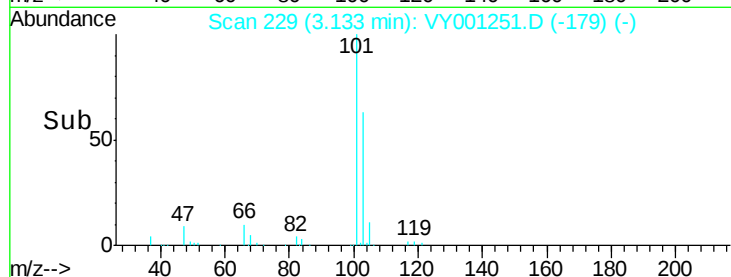
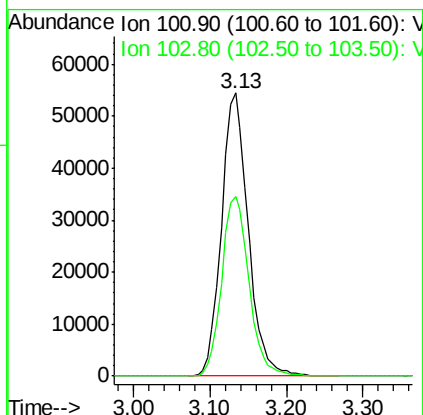
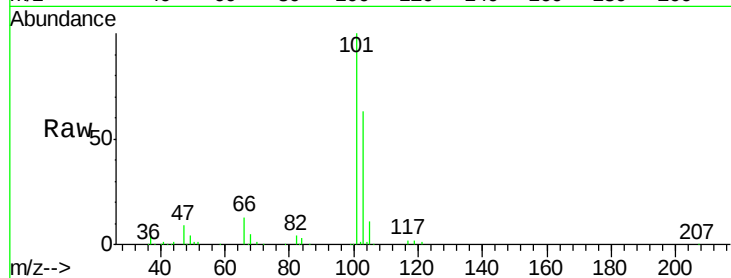
Trichlorofluoromethane
Concen: 48.182 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.6	79.0

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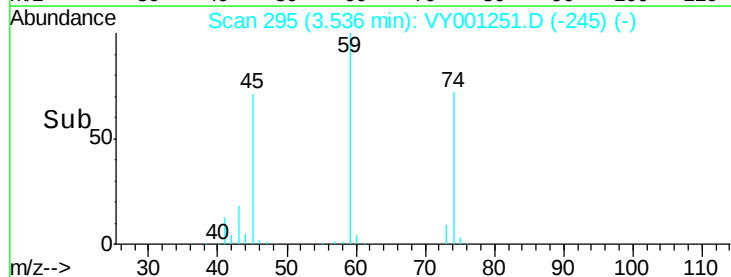
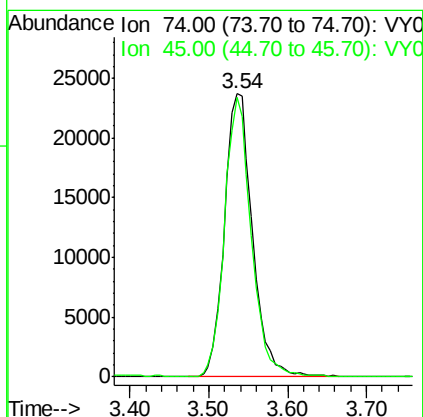
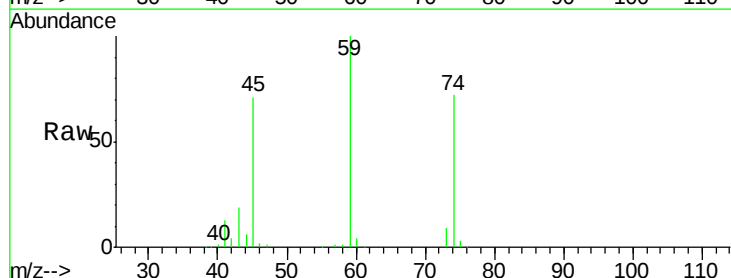
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1/16/2020 9:37:05 AM

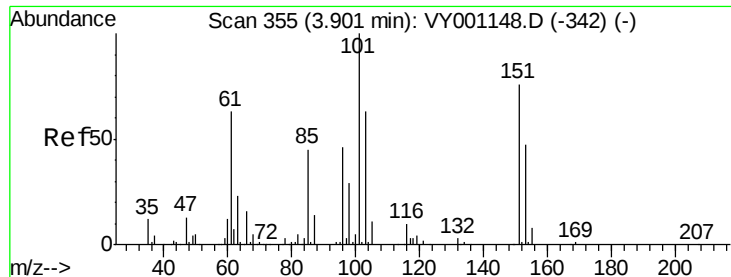


#8

Diethyl Ether
Concen: 55.061 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.2	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.141 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

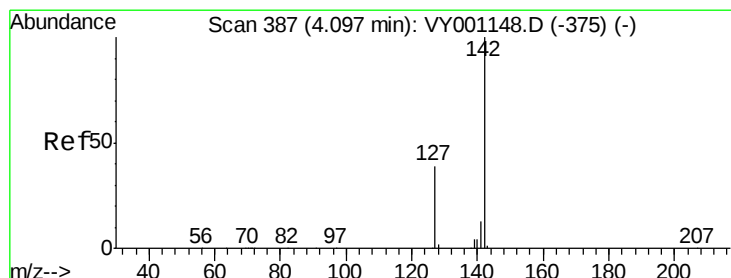
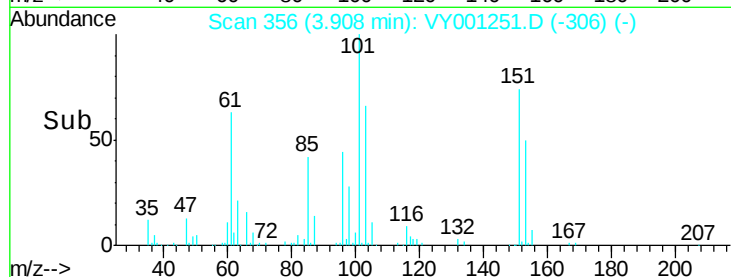
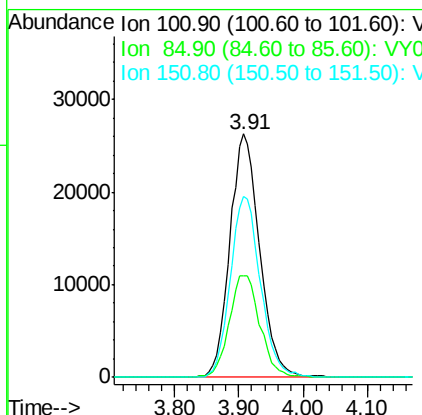
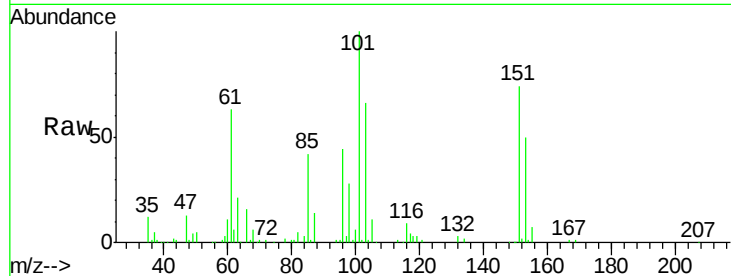
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	84753
Ion Ratio	Lower	Upper	
101	100		
85	43.1	35.2	52.8
151	75.0	61.4	92.2

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#10

Methyl Iodide

Concen: 51.782 ug/l

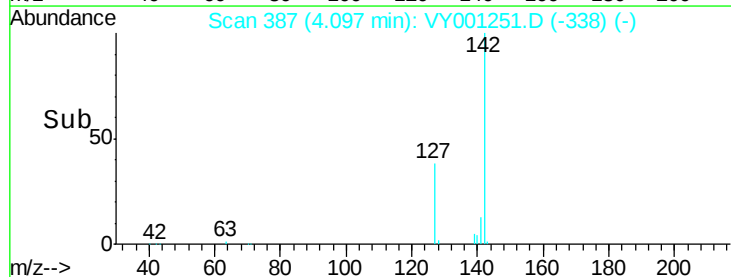
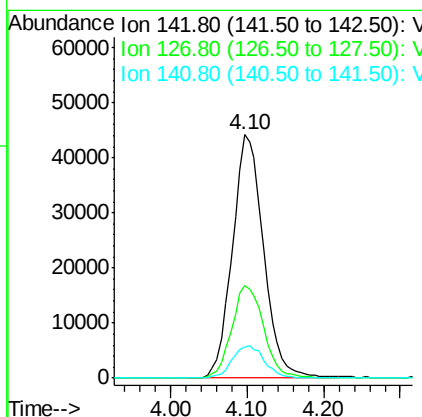
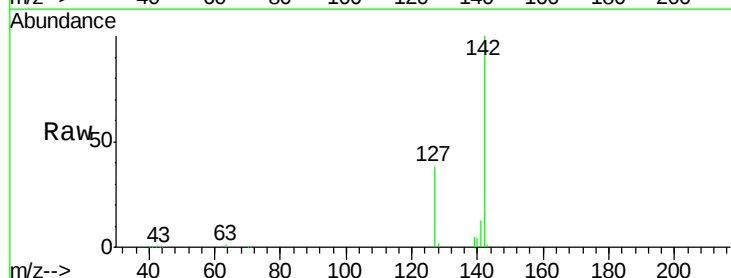
RT: 4.10 min Scan# 387

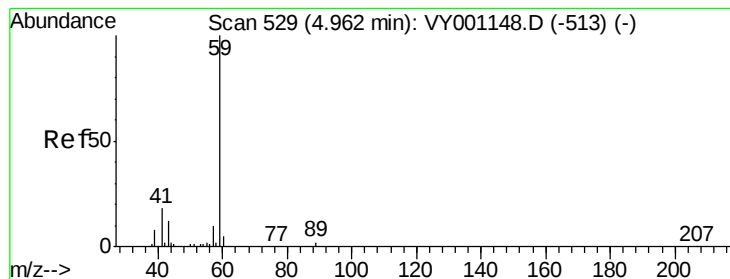
Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Tgt Ion:	142	Resp:	124783
Ion Ratio	Lower	Upper	
142	100		
127	38.8	30.8	46.2
141	13.7	11.0	16.4





#11

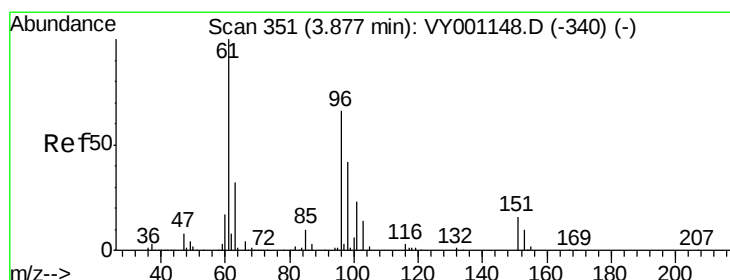
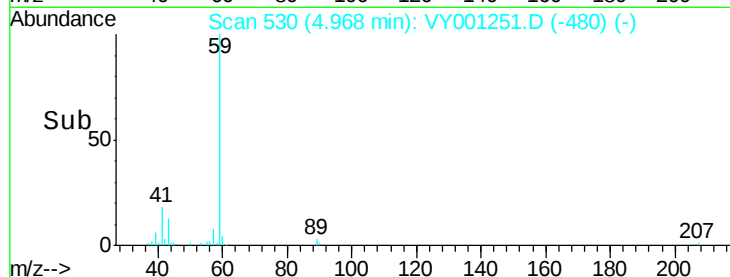
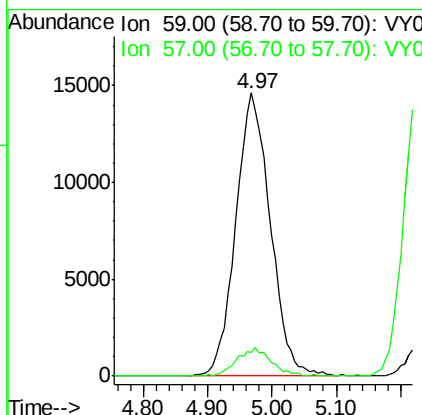
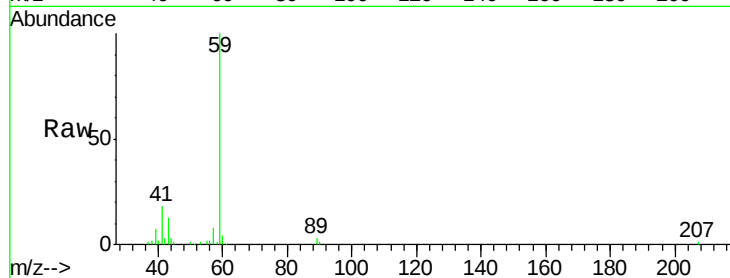
Tert butyl alcohol
Concen: 289.435 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.8	11.8

Manual Integrations
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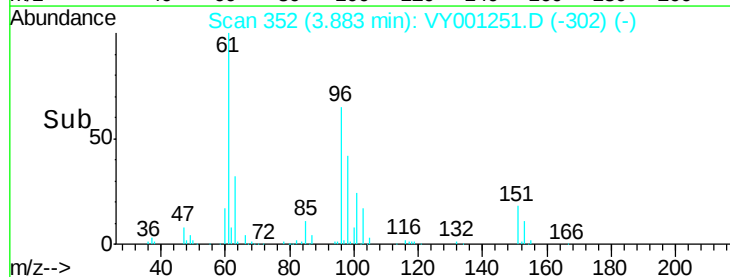
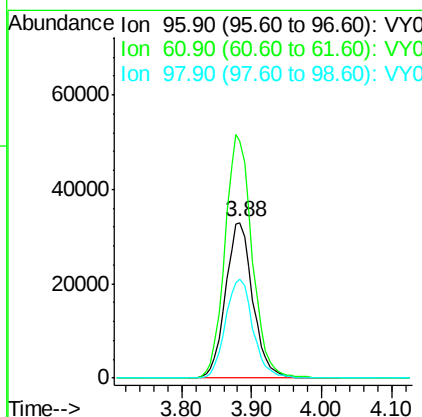
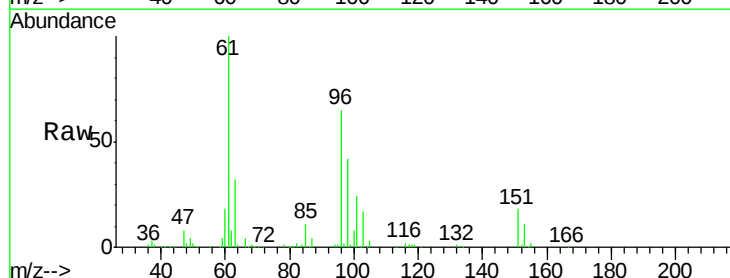
MMDadoda
1/16/2020 9:37:05 AM

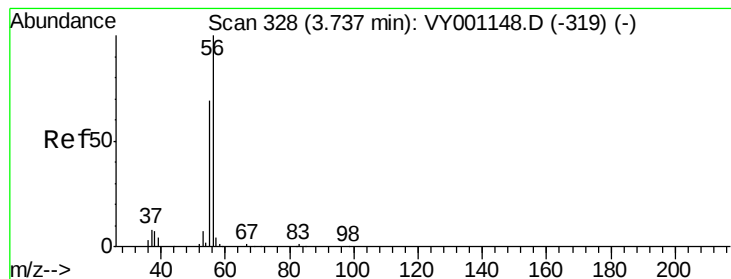


#12

1,1-Dichloroethene
Concen: 49.567 ug/l
RT: 3.88 min Scan# 352
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.9	122.1	183.1
98	63.7	51.0	76.6





#13

Acrolein

Concen: 248.703 ug/l

RT: 3.74 min Scan# 328

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 41920

Ion Ratio Lower Upper

56 100

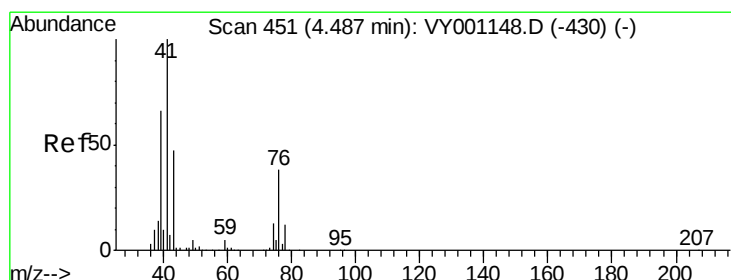
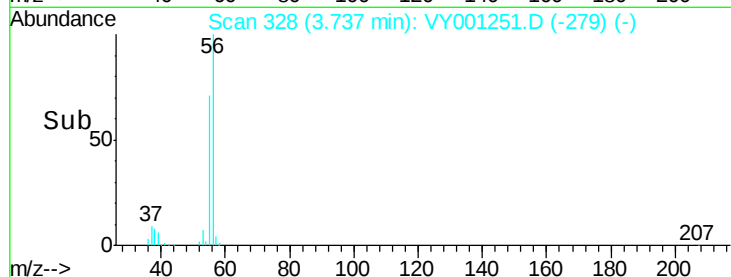
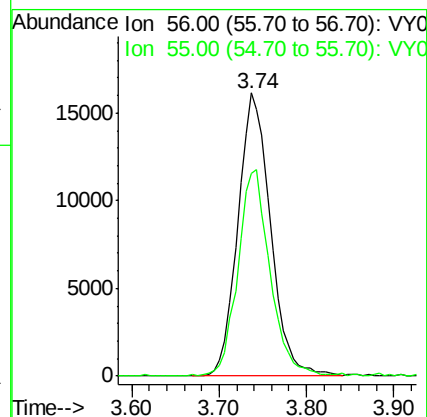
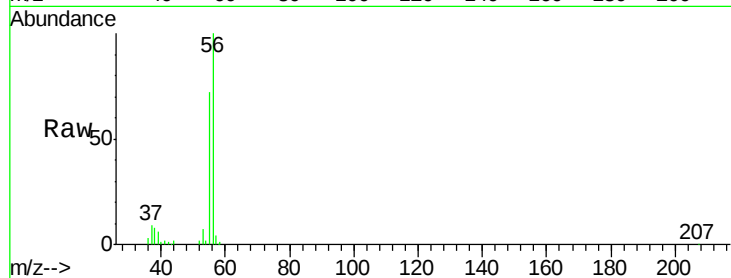
55 72.4 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 52.630 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

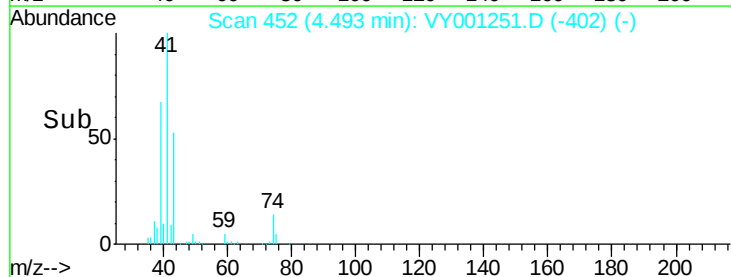
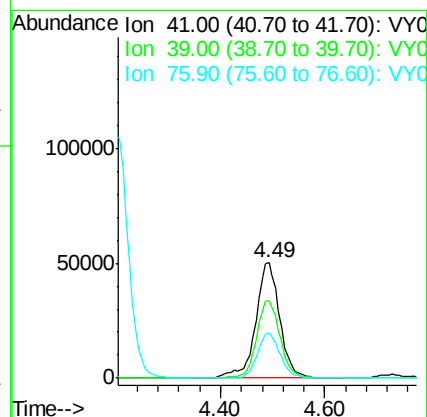
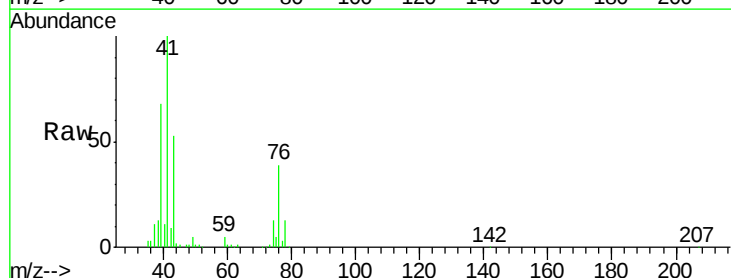
Tgt Ion: 41 Resp: 159994

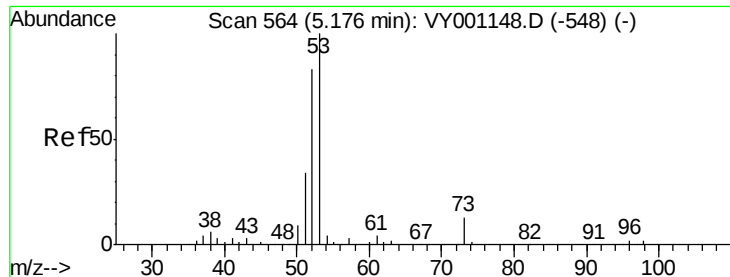
Ion Ratio Lower Upper

41 100

39 65.4 52.6 78.8

76 36.7 30.2 45.2





#15

Acrylonitrile

Concen: 291.447 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

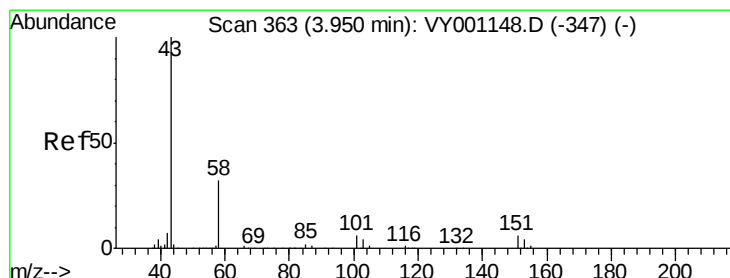
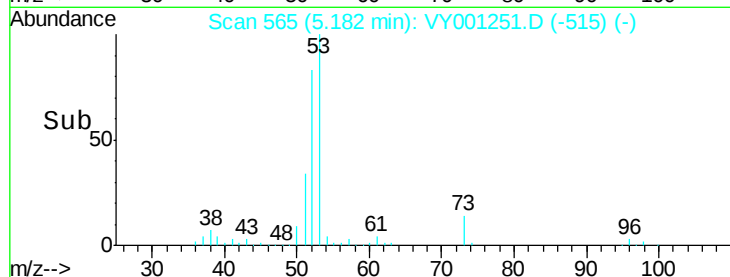
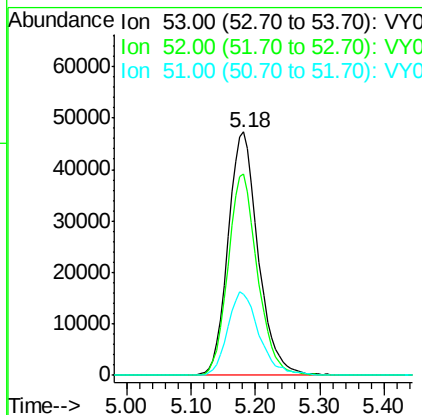
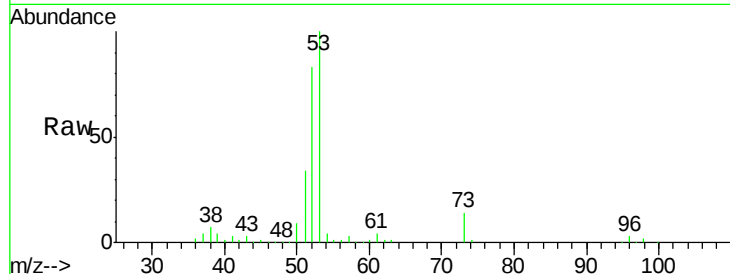
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	154910
Ion	Ratio	Lower	Upper
53	100		
52	80.9	65.7	98.5
51	35.6	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 270.464 ug/l

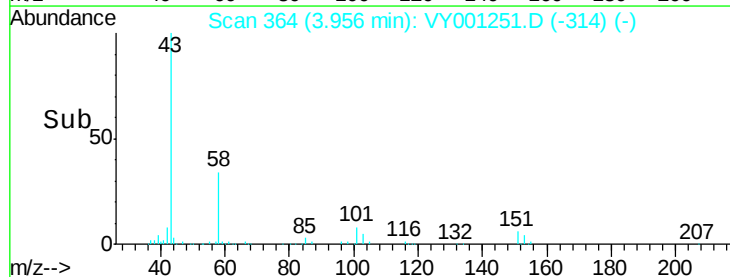
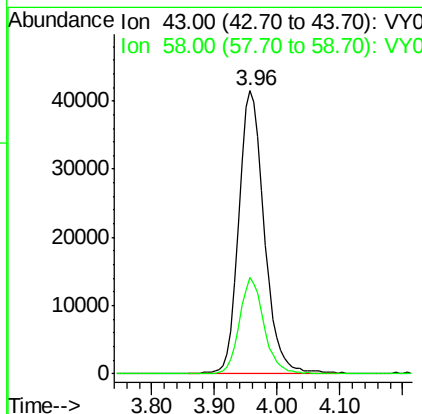
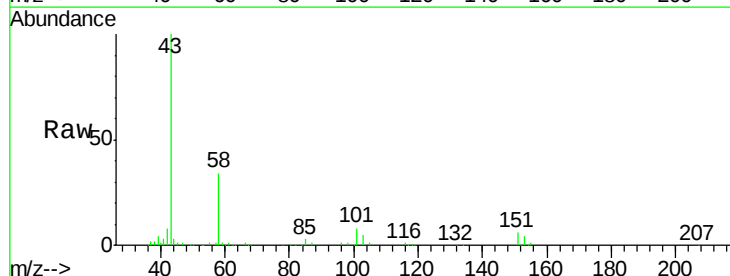
RT: 3.96 min Scan# 364

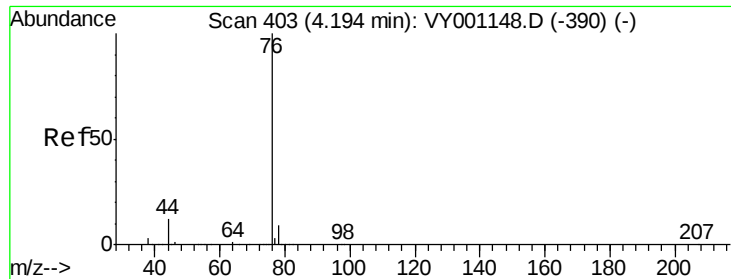
Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Tgt Ion:	43	Resp:	116888
Ion	Ratio	Lower	Upper
43	100		
58	33.9	25.8	38.6





#17

Carbon Disulfide

Concen: 50.600 ug/l

RT: 4.20 min Scan# 404

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 294977

Ion Ratio Lower Upper

76 100

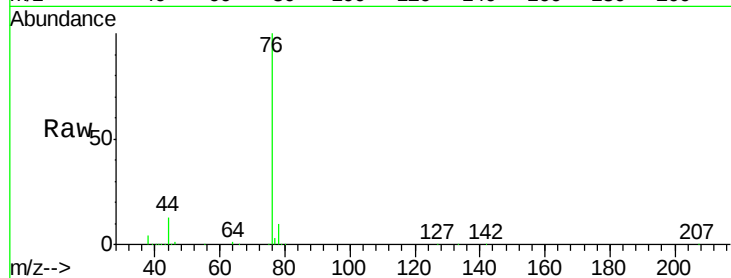
78 9.7 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0

4.20

120000

100000

80000

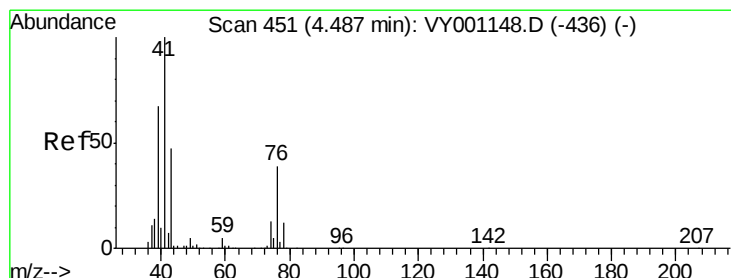
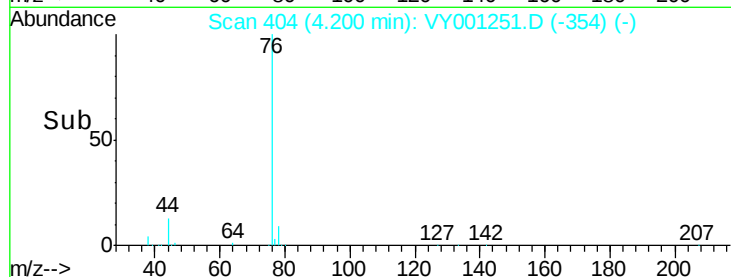
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 57.575 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.00 min

Lab File: VY001251.D

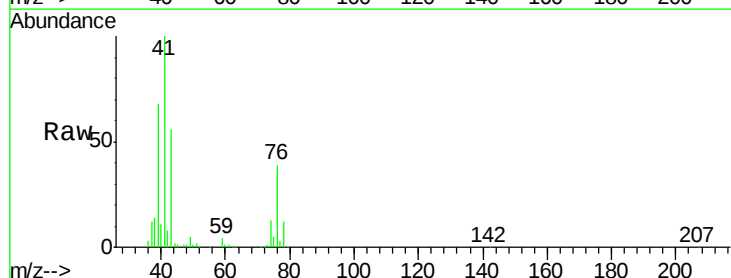
Acq: 16 Jan 2020 04:29

Tgt Ion: 43 Resp: 82268

Ion Ratio Lower Upper

43 100

74 24.2 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0

4.49

30000

25000

20000

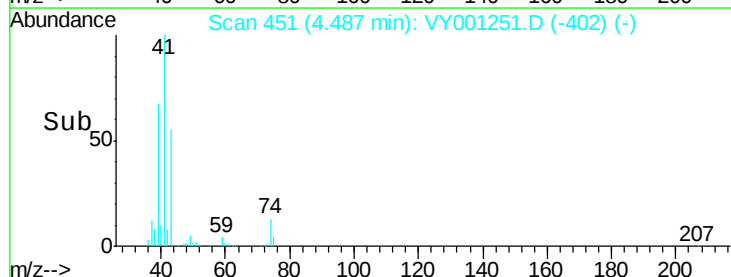
15000

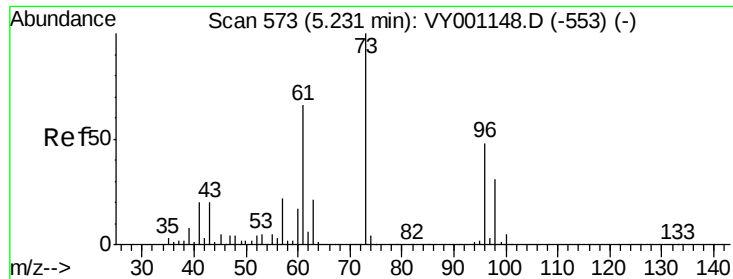
10000

5000

0

Time-->





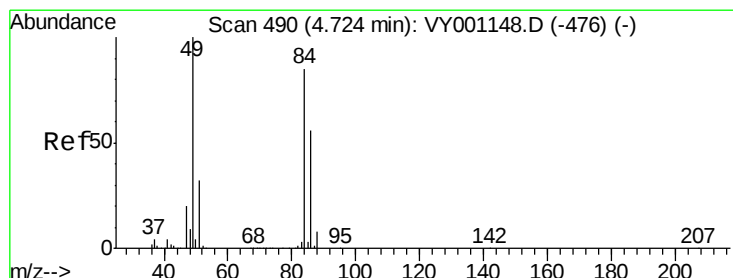
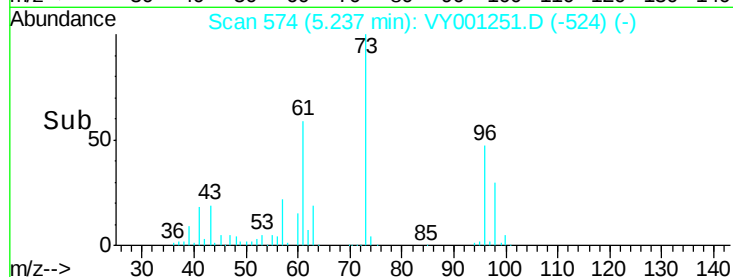
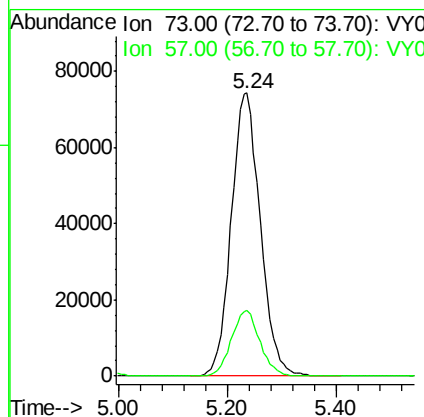
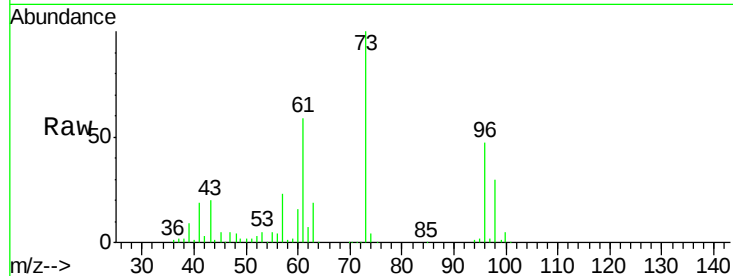
#19
Methvl tert-butvl Ether
Concen: 55.379 ug/l
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 275911
Ion Ratio Lower Upper
73 100
57 23.0 17.8 26.6

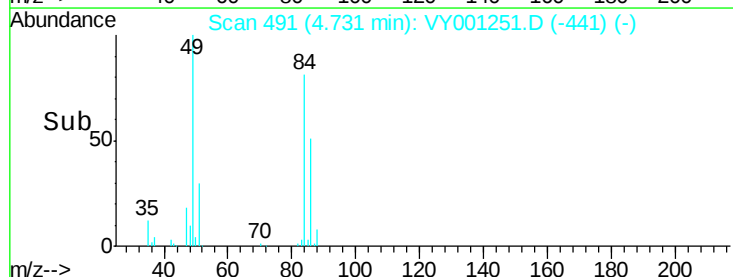
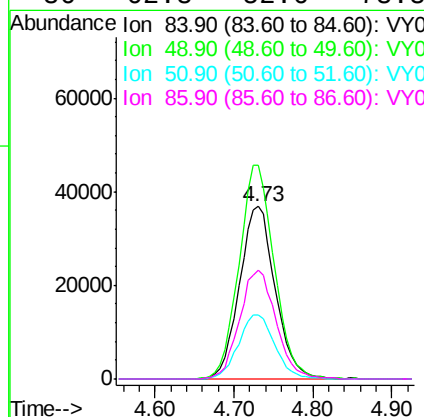
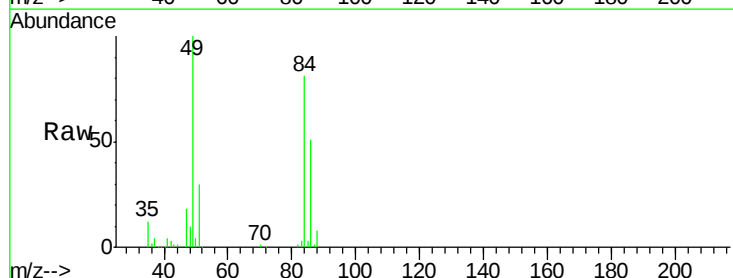
Manual Integrations
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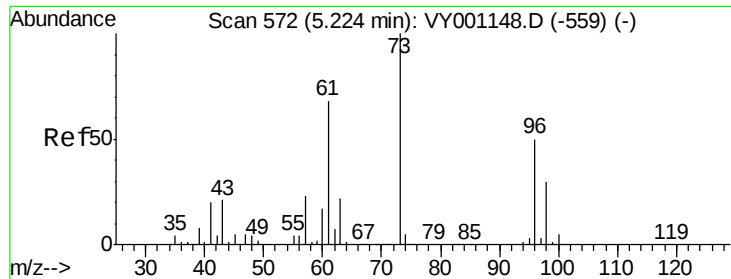
MMDadoda
1/16/2020 9:37:05 AM



#20
Methylene Chloride
Concen: 58.616 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion: 84 Resp: 116137
Ion Ratio Lower Upper
84 100
49 123.9 93.8 140.6
51 37.3 29.9 44.9
86 62.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 52.743 ug/l

RT: 5.24 min Scan# 574

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

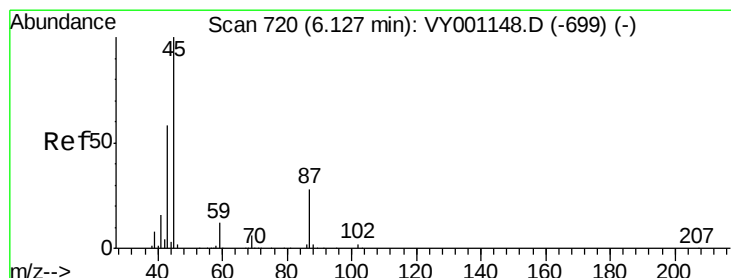
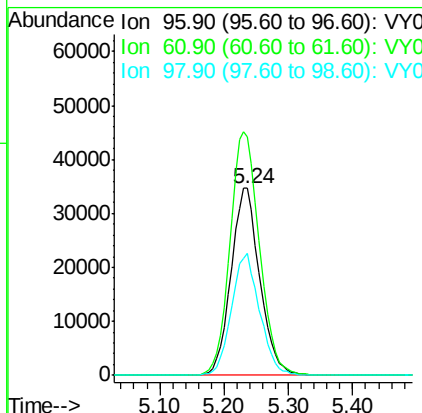
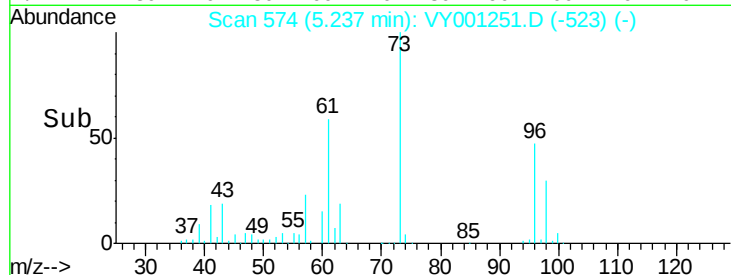
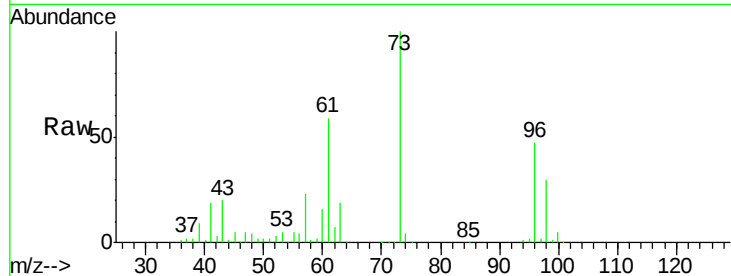
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	107719
Ion	Ratio	Lower	Upper
96	100		
61	127.3	107.6	161.4
98	64.9	47.6	71.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 55.743 ug/l

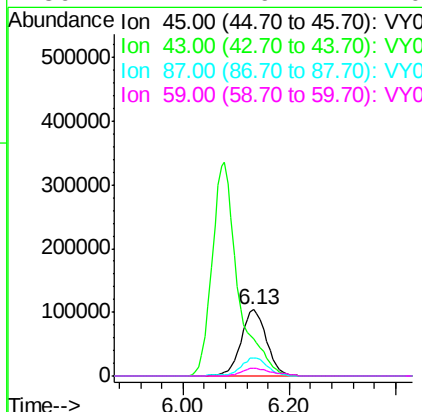
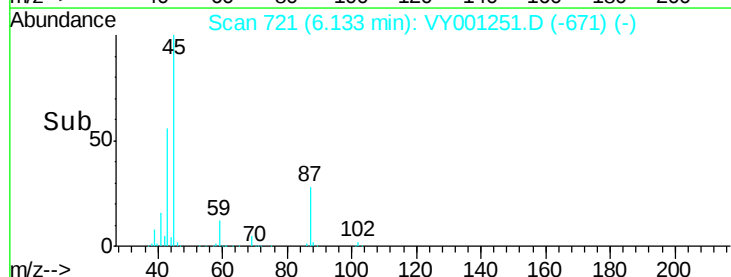
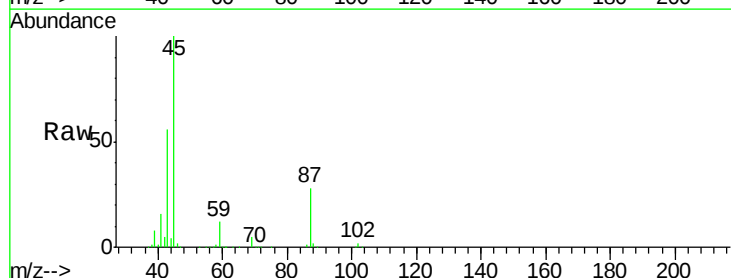
RT: 6.13 min Scan# 721

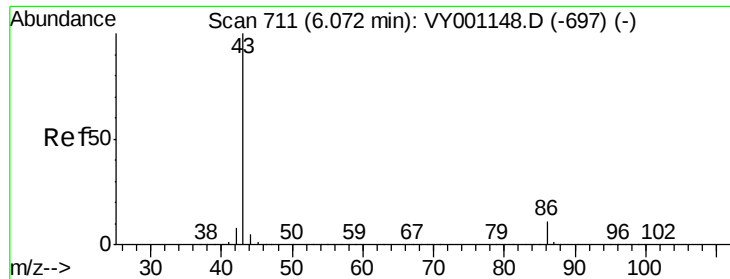
Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Tgt Ion:	45	Resp:	346113
Ion	Ratio	Lower	Upper
45	100		
43	56.0	46.5	69.7
87	27.6	22.5	33.7
59	12.1	9.4	14.0





#23

Vinyl Acetate

Concen: 283.915 ug/l

RT: 6.08 min Scan# 712

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1127413

Ion Ratio Lower Upper

43 100

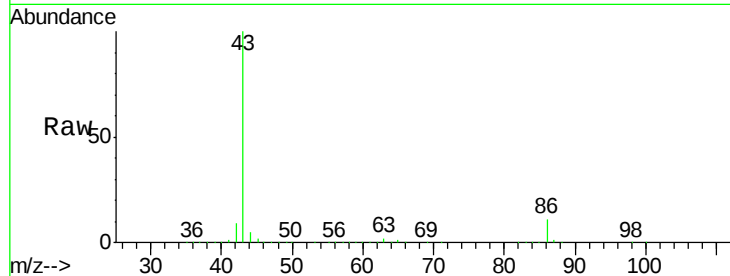
86 10.8 9.0 13.4

Manual Integrations

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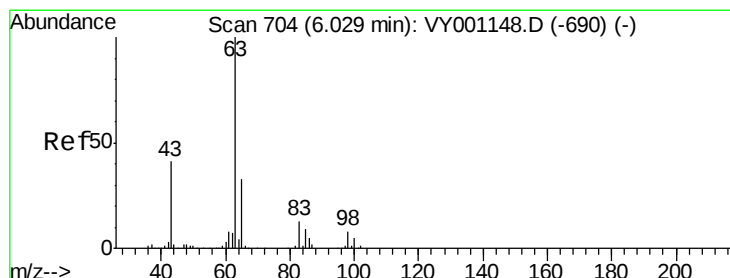
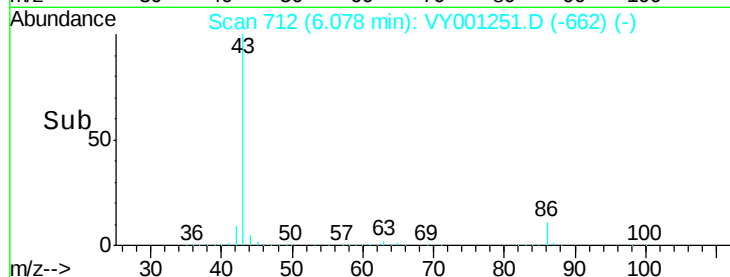
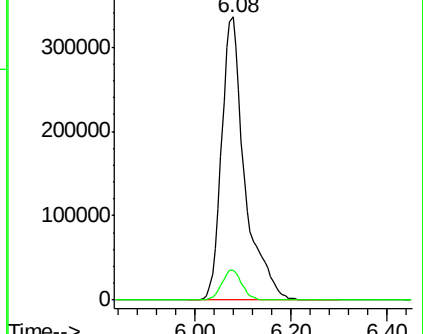
MMDadoda

1/16/2020 9:37:05 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 54.550 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

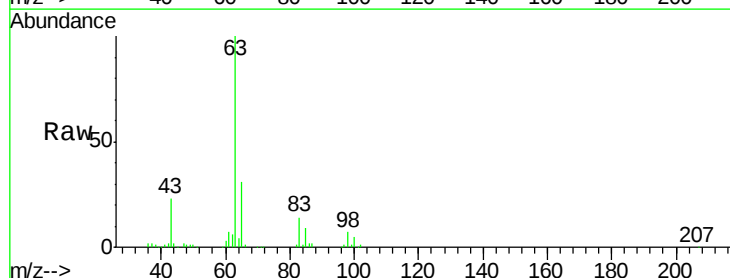
Tgt Ion: 63 Resp: 185425

Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.7

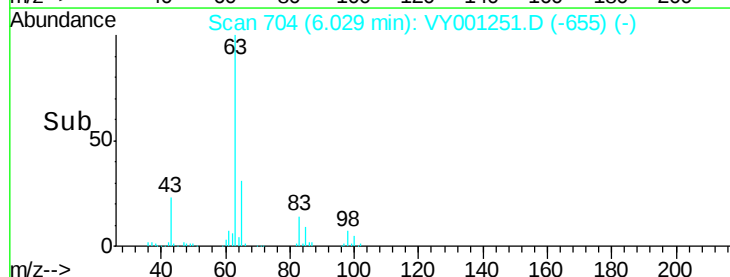
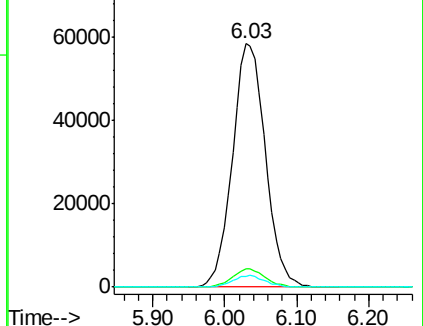
100 4.6 2.4 7.2

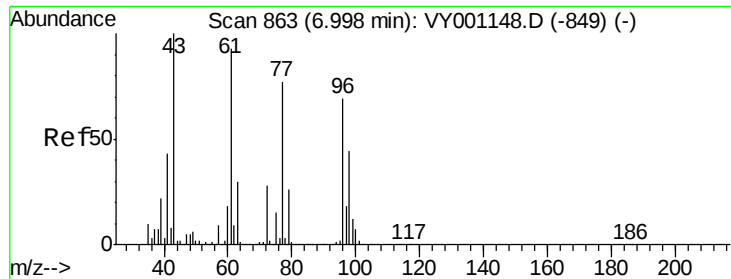


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 301.794 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 202992

Ion Ratio Lower Upper

43 100

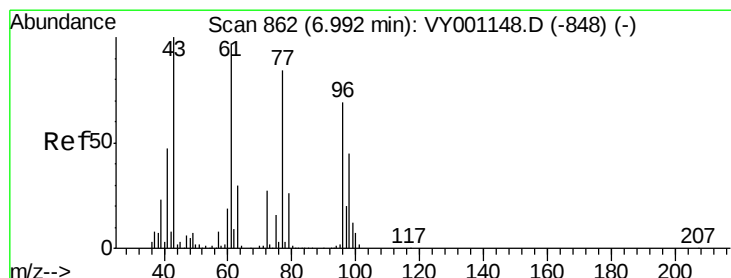
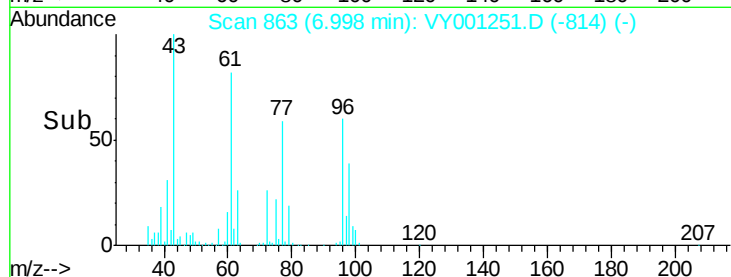
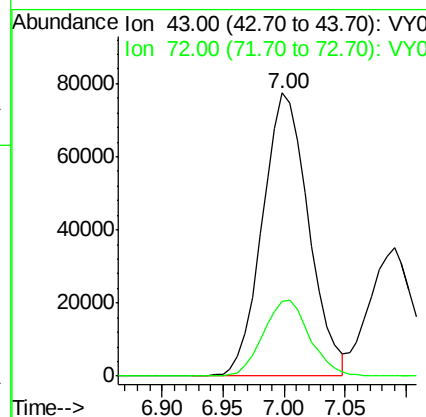
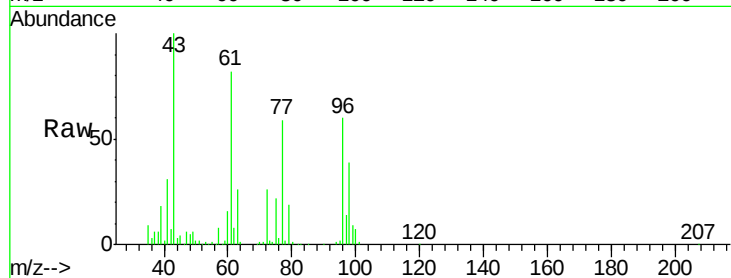
72 26.5 22.2 33.2

Manual Integrations

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MMDadoda

1/16/2020 9:37:05 AM



#26

2,2-Dichloropropane

Concen: 44.988 ug/l

RT: 6.99 min Scan# 862

Delta R.T. 0.00 min

Lab File: VY001251.D

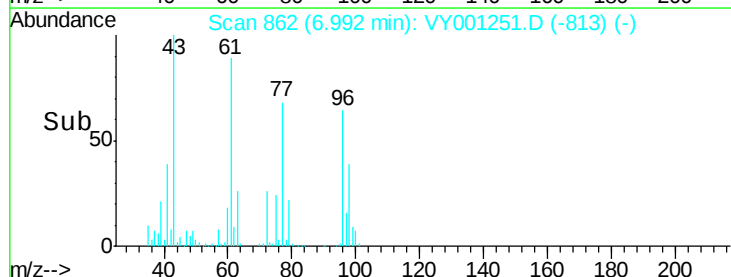
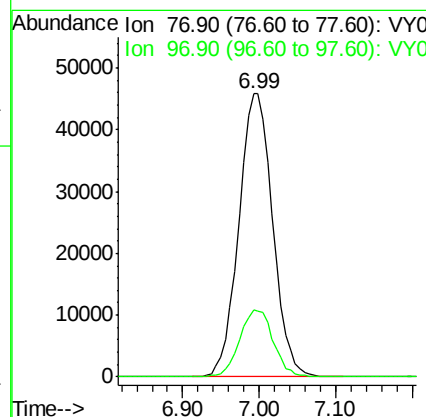
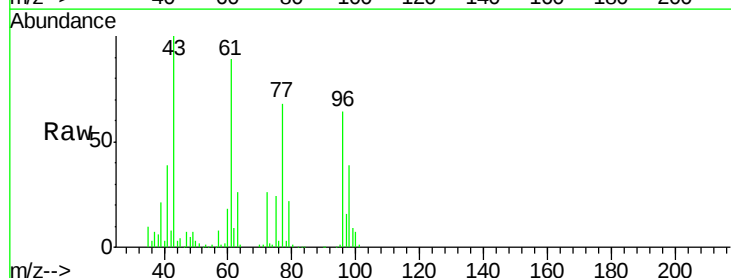
Acq: 16 Jan 2020 04:29

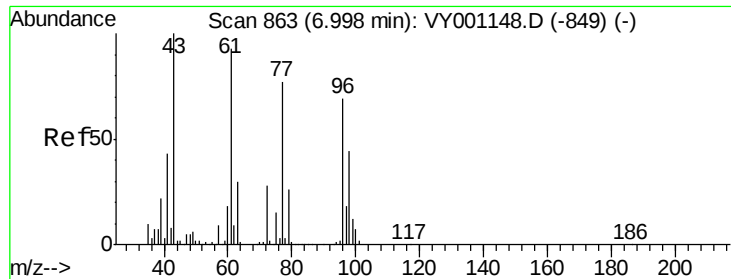
Tgt Ion: 77 Resp: 140625

Ion Ratio Lower Upper

77 100

97 23.5 11.9 35.7





#27

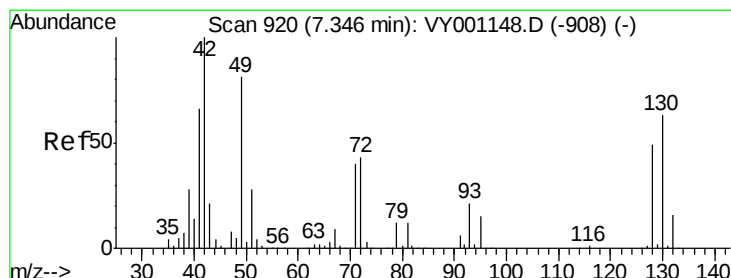
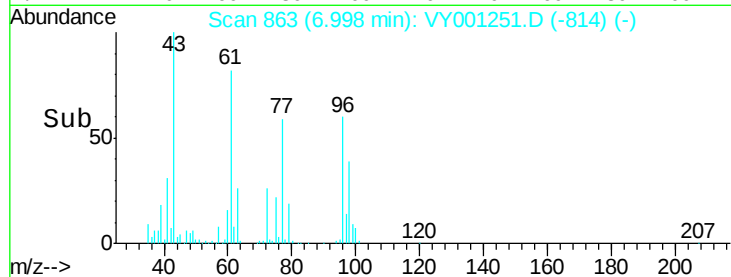
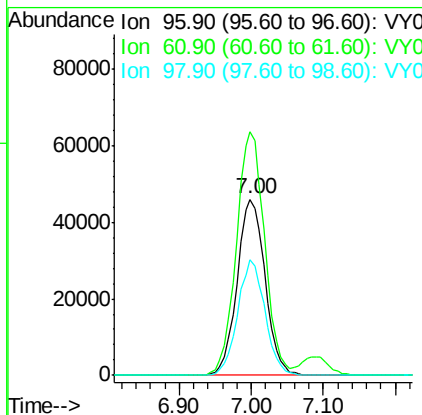
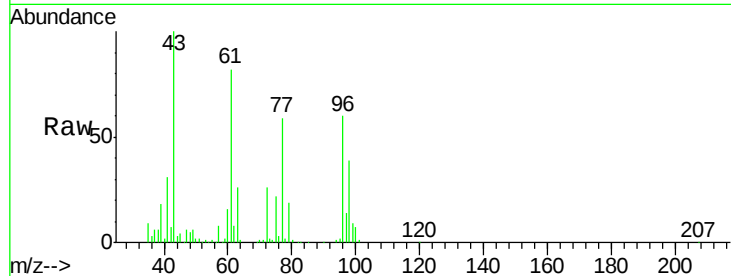
cis-1,2-Dichloroethene
Concen: 55.388 ug/l
RT: 7.00 min Scan# 863
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.6	0.0	284.0
98	63.9	0.0	130.2

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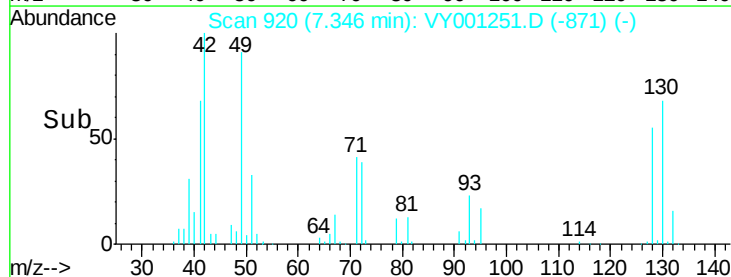
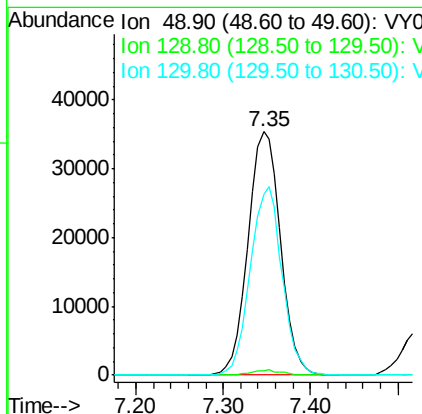
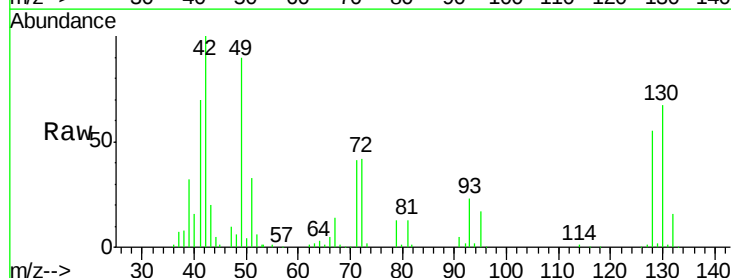
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1/16/2020 9:37:05 AM

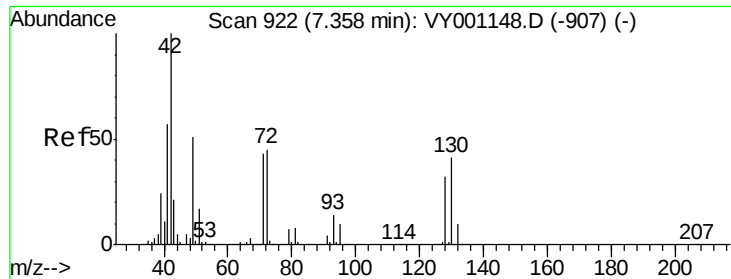


#28

Bromochloromethane
Concen: 65.249 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	75.9	61.2	91.8





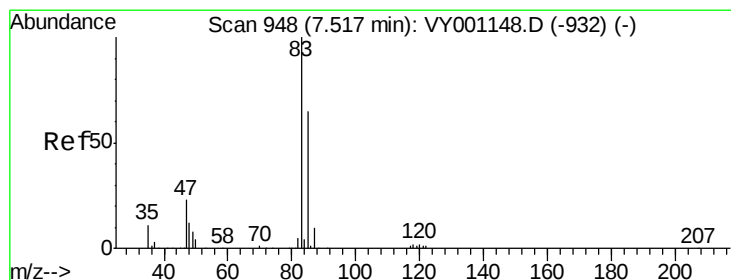
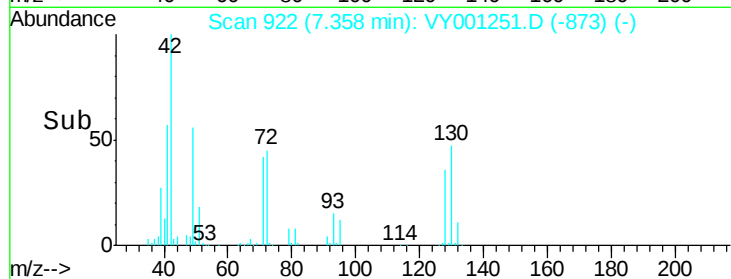
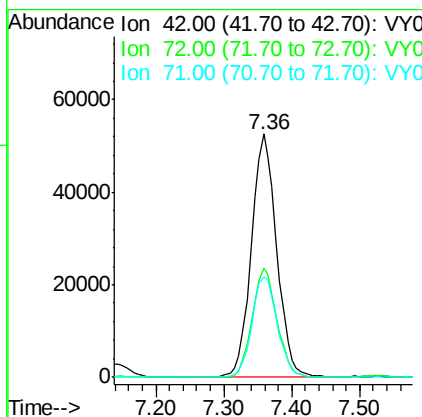
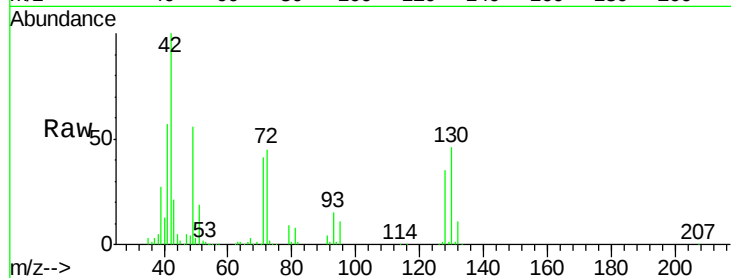
#29
Tetrahydrofuran
Concen: 296.575 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.9	36.9	55.3
71	41.6	34.0	51.0

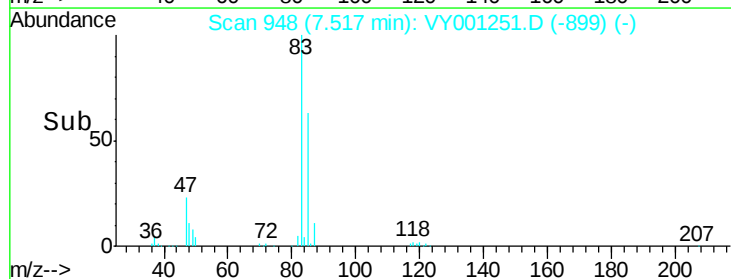
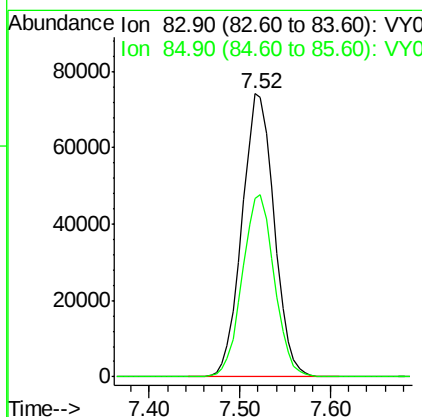
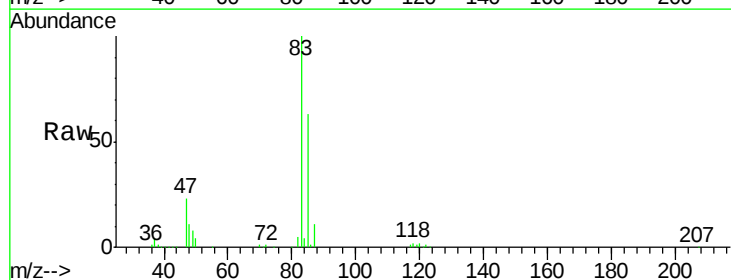
Manual Integrations
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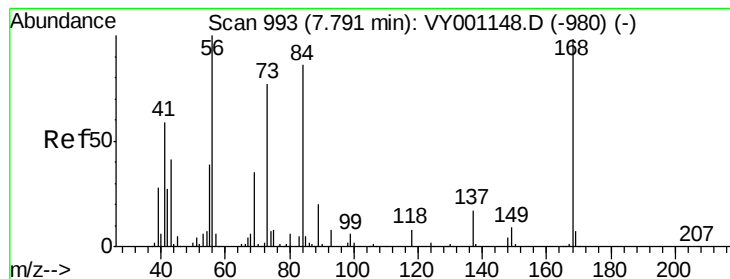
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1/16/2020 9:37:05 AM



#30
Chloroform
Concen: 54.703 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.9	77.9





#31

Cvclohexane

Concen: 45.992 ug/l

RT: 7.79 min Scan# 993

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 165527

Ion Ratio Lower Upper

56 100

69 32.5 27.8 41.8

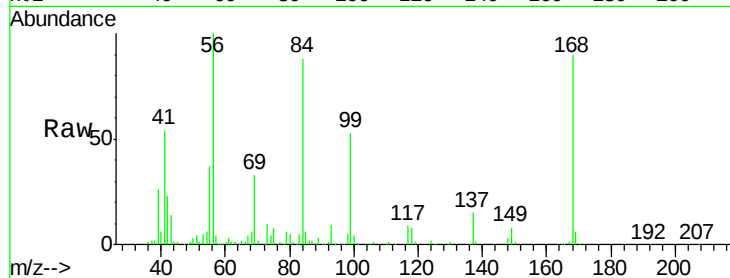
84 86.3 68.9 103.3

Manual Integrations

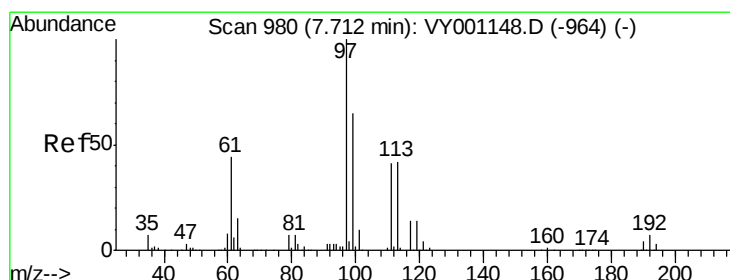
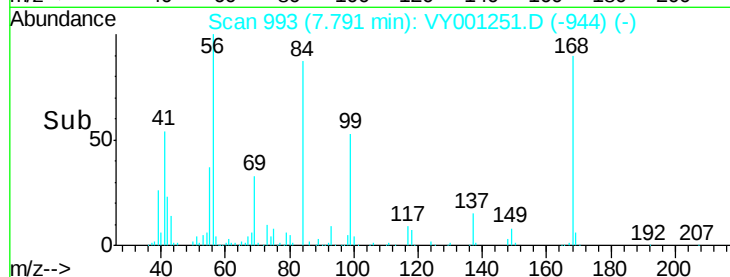
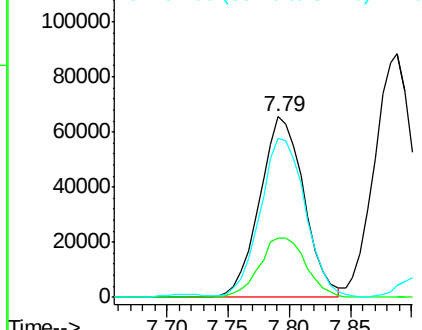
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Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 51.631 ug/l

RT: 7.71 min Scan# 980

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

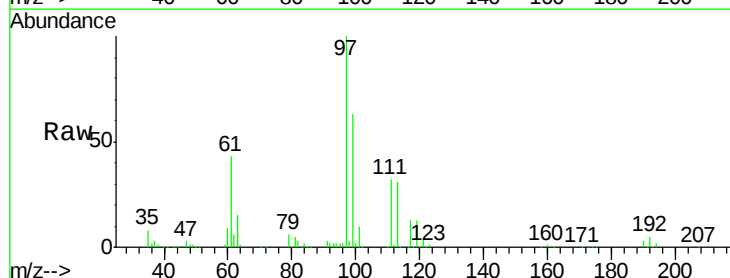
Tgt Ion: 97 Resp: 152580

Ion Ratio Lower Upper

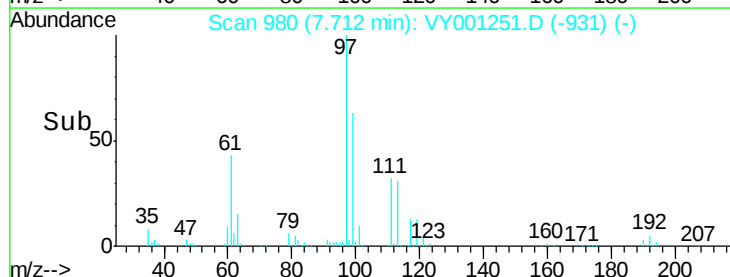
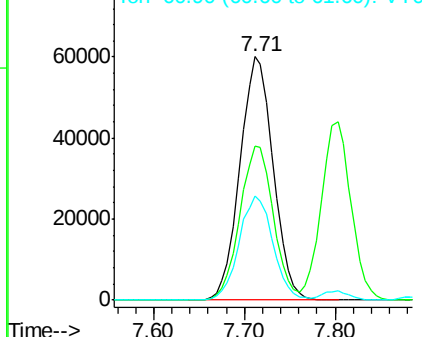
97 100

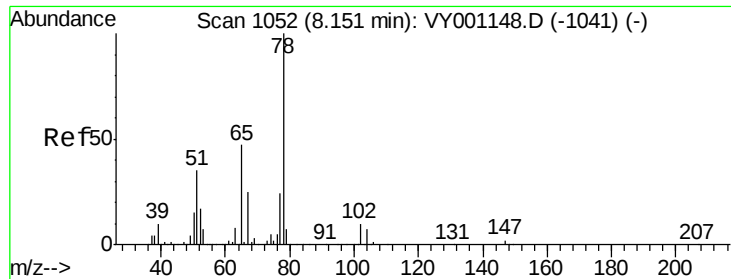
99 63.9 51.3 76.9

61 43.5 34.6 52.0



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0





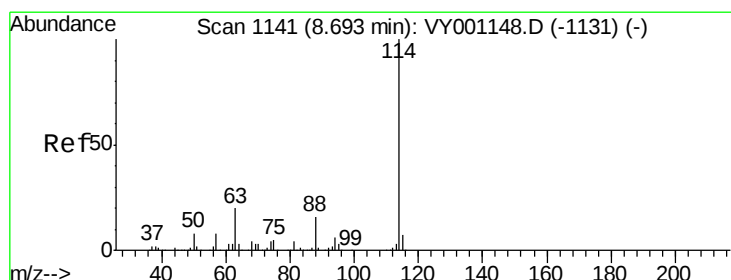
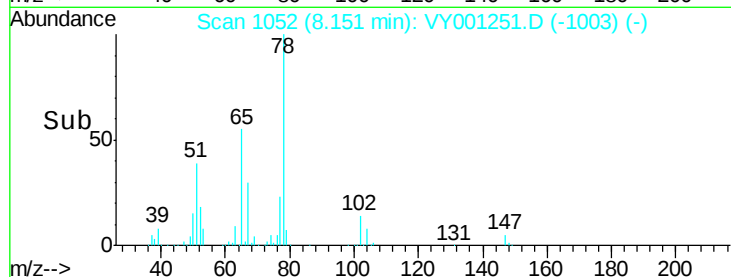
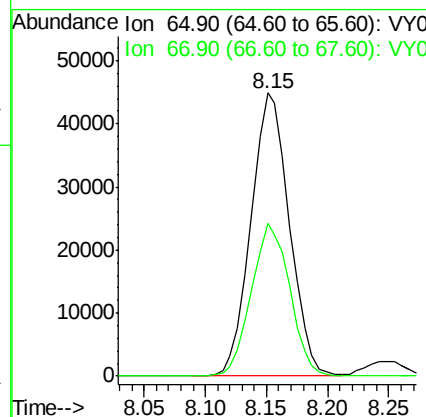
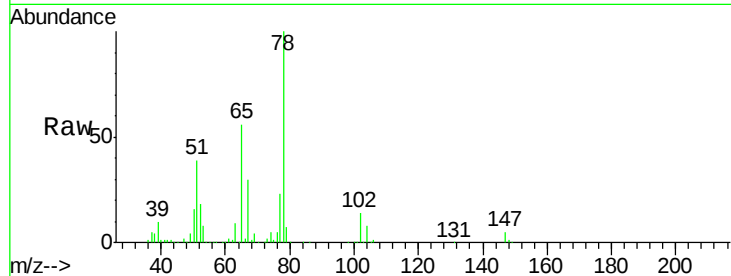
#33
 1,2-Dichloroethane-d4
 Concen: 52.726 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	105.2

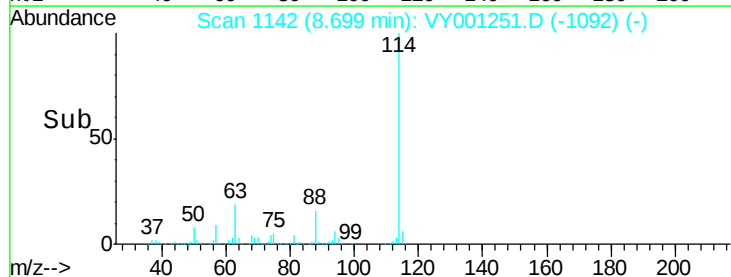
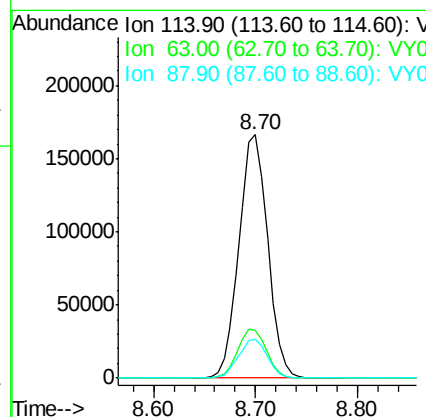
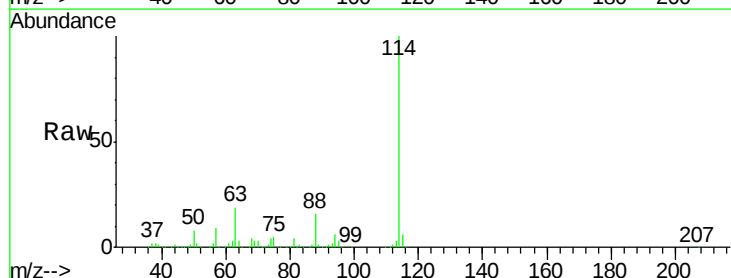
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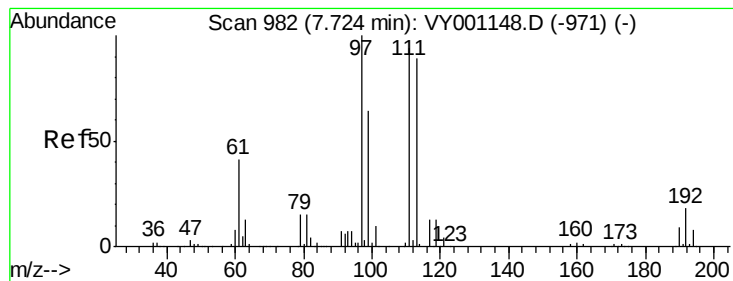
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 1/16/2020 9:37:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. 0.01 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	15.9	0.0	32.4





#35

Dibromofluoromethane

Concen: 46.861 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

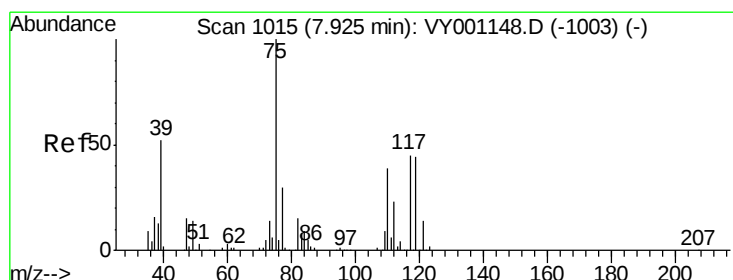
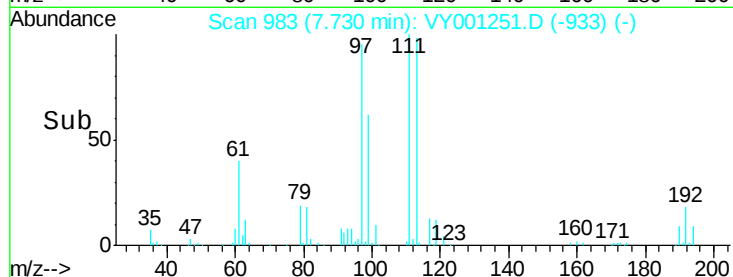
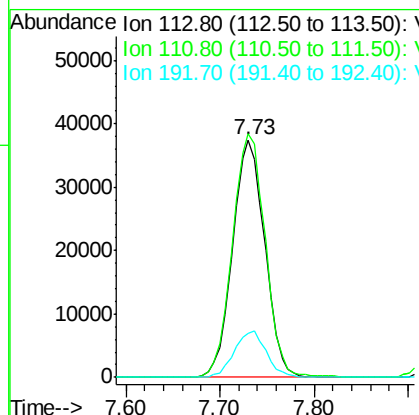
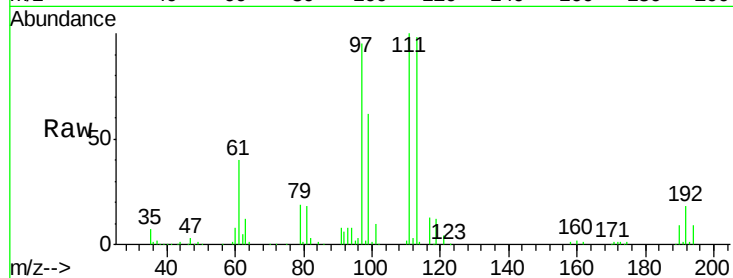
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	88978
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.9	124.3
192	19.3	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 47.534 ug/l

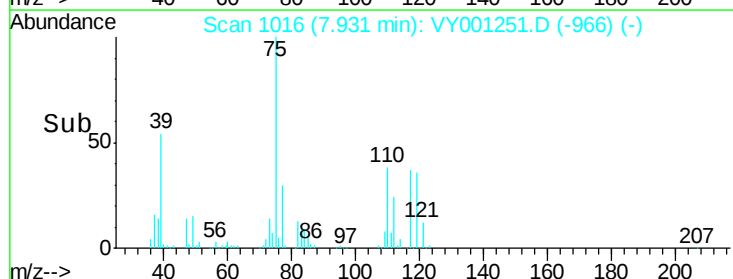
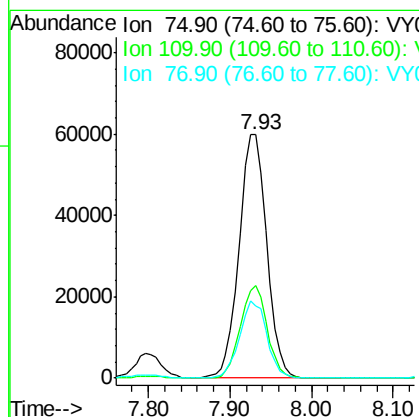
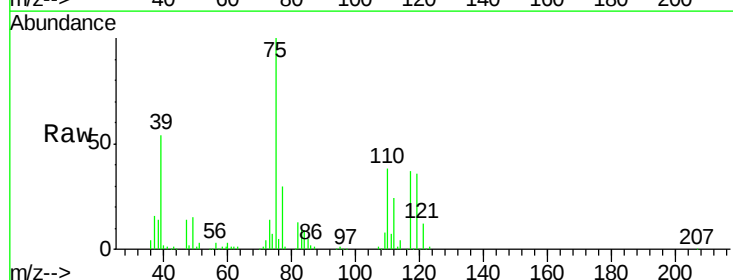
RT: 7.93 min Scan# 1016

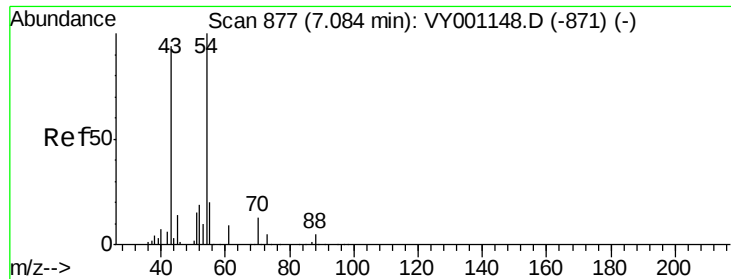
Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Tgt Ion:	75	Resp:	140500
Ion	Ratio	Lower	Upper
75	100		
110	36.6	18.3	54.8
77	31.2	25.1	37.7





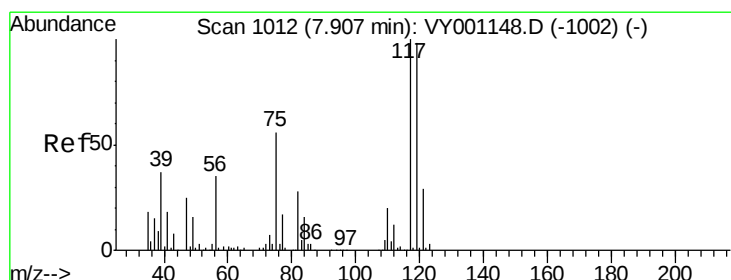
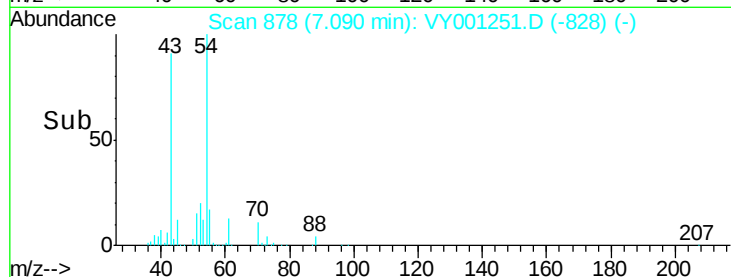
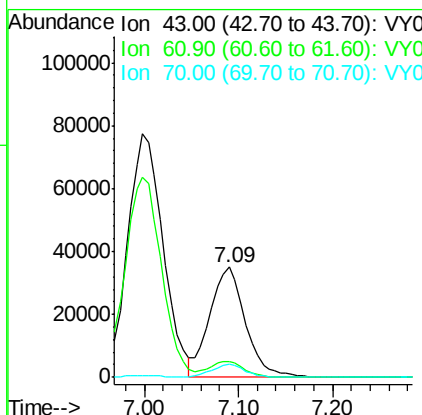
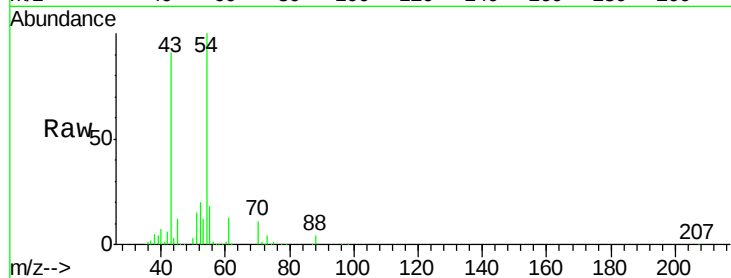
#37
Ethyl Acetate
Concen: 52.915 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.1	16.7
70	11.2	9.7	14.5

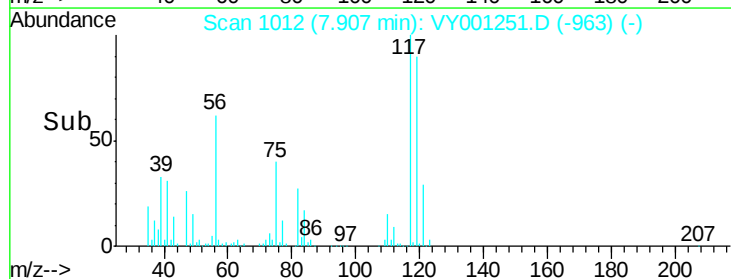
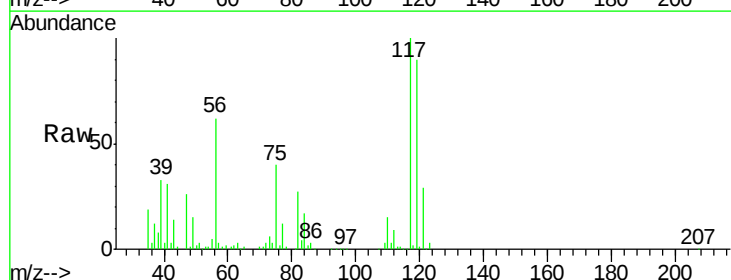
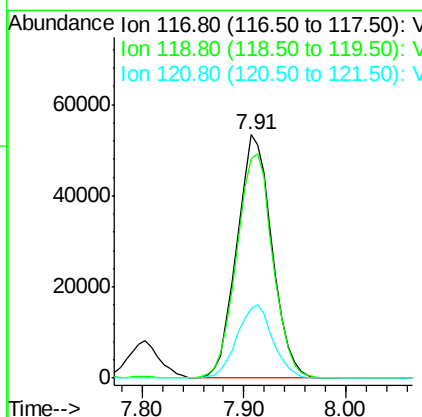
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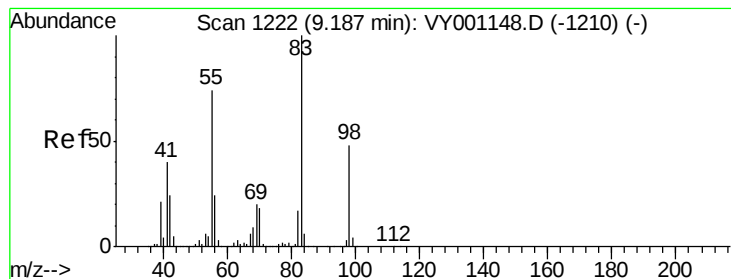
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#38
Carbon Tetrachloride
Concen: 47.032 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	78.3	117.5
121	28.5	23.5	35.3





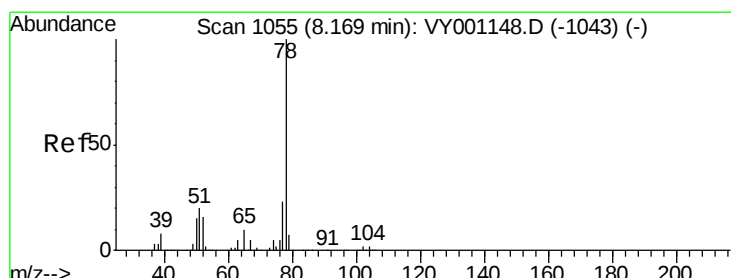
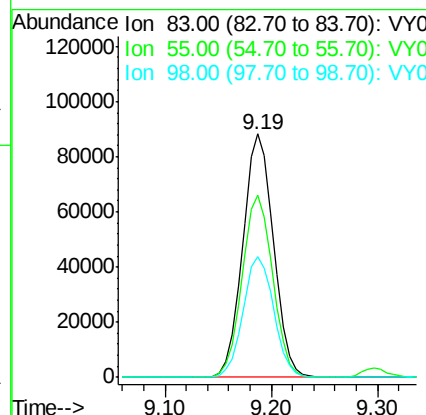
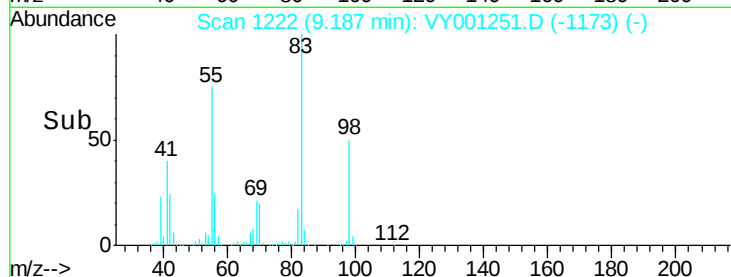
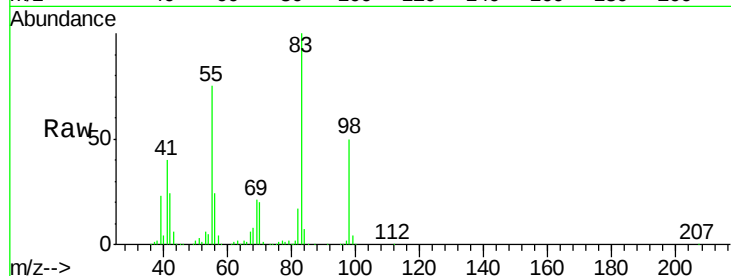
#39
Methvlcvclohexane
Concen: 44.723 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	179214		
55	75.1		58.9	88.3
98	49.5		38.4	57.6

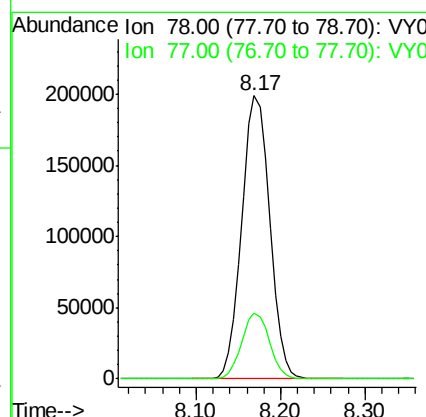
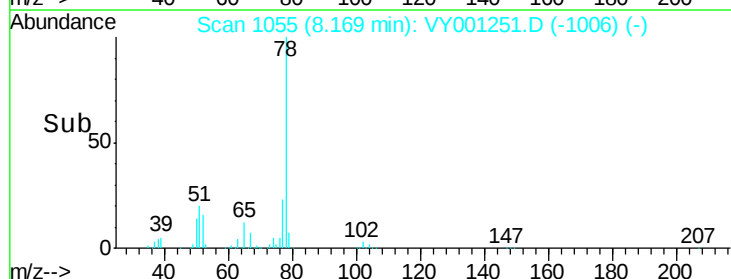
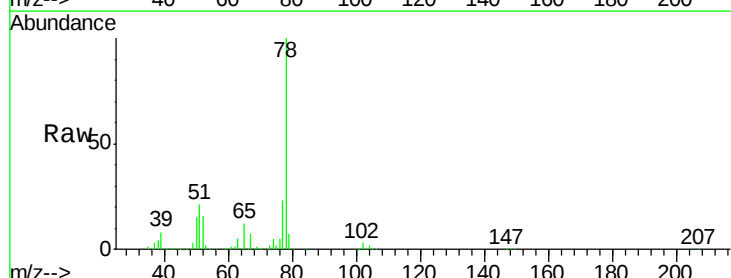
Manual Integrations
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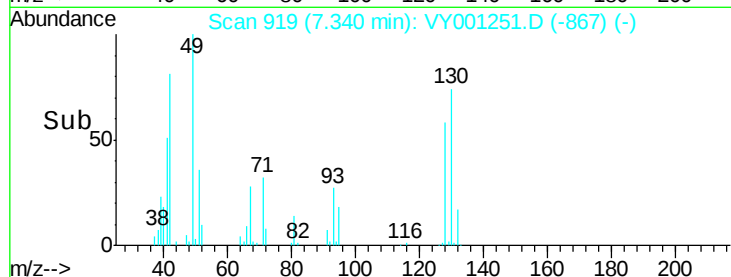
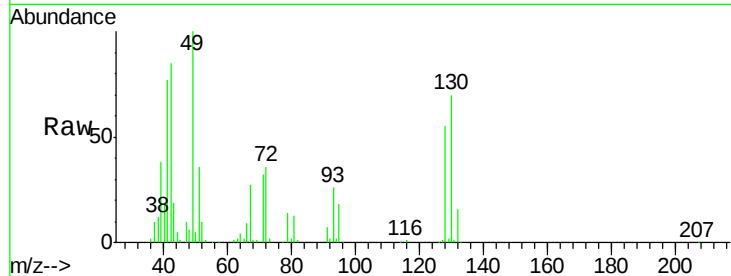
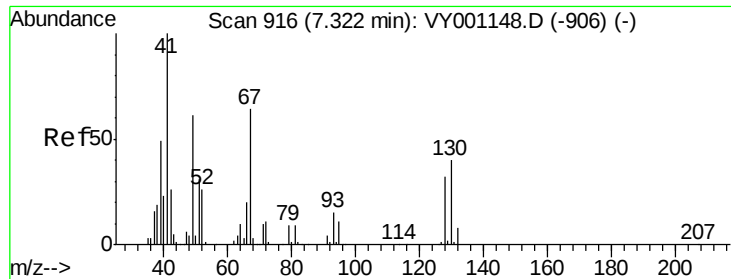
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#40
Benzene
Concen: 51.582 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	445053		
77	23.3		18.8	28.2





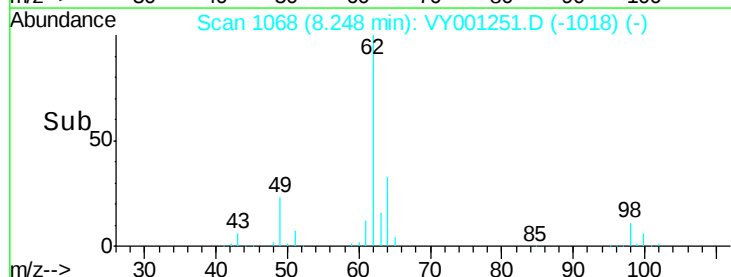
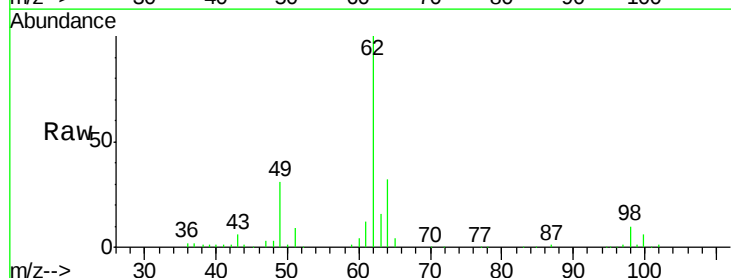
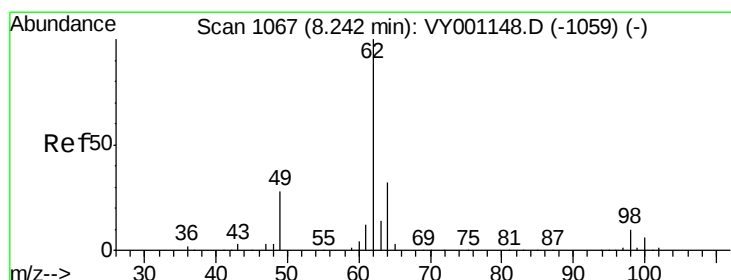
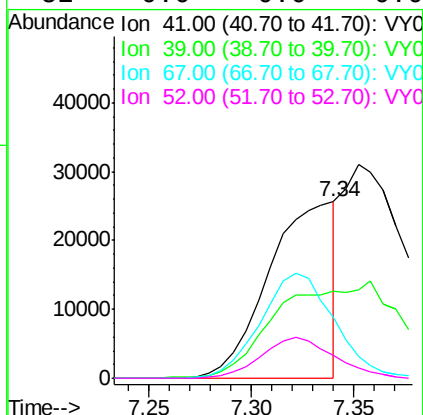
#41
Methacrylonitrile
Concen: 71.868 ug/l m
RT: 7.34 min Scan# 919
Delta R.T. 0.02 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tot Ion	41	Resp	58561
Ion	Ratio	Lower	Upper
41	100		
39	100.5	103.5	155.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

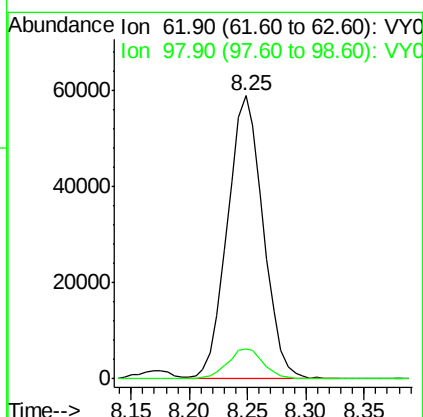
Manual Integrations
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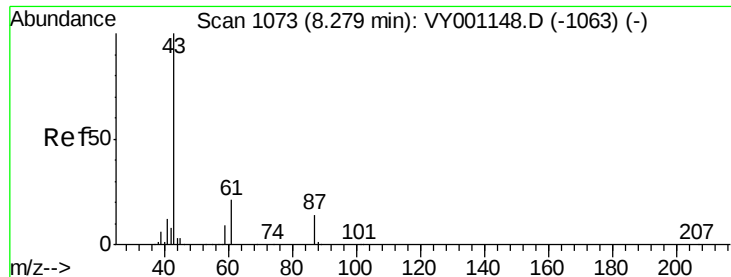
MMDadoda
1/16/2020 9:37:05 AM



#42
1,2-Dichloroethane
Concen: 52.002 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	62	Resp	125634
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.4





#43

Isopropyl Acetate

Concen: 54.066 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

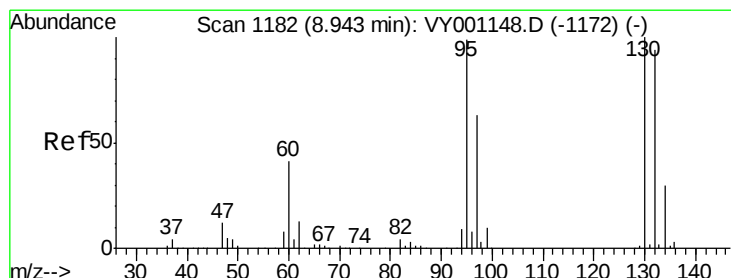
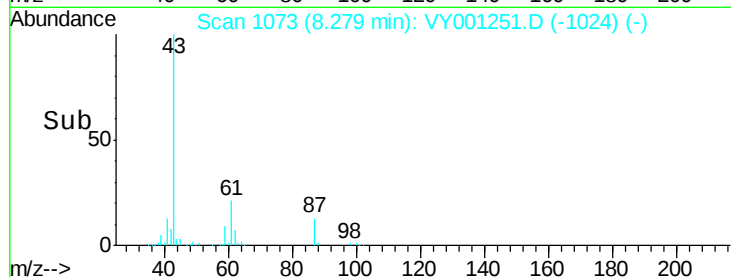
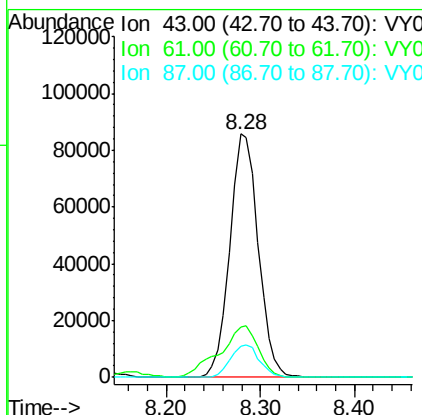
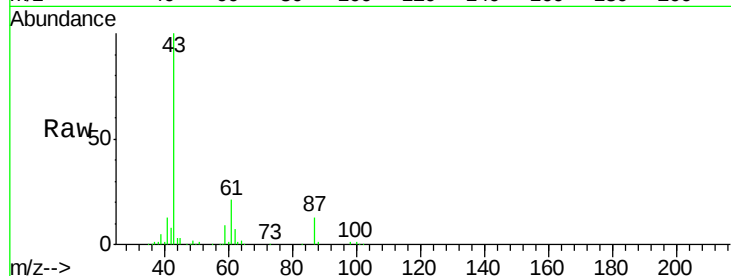
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	179338
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.9	35.9
87	13.6	11.4	17.2

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1/16/2020 9:37:05 AM



#44

Trichloroethene

Concen: 49.692 ug/l

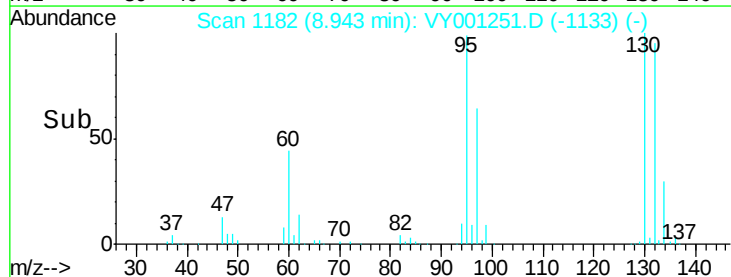
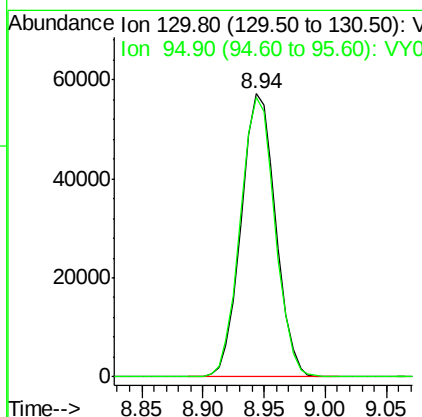
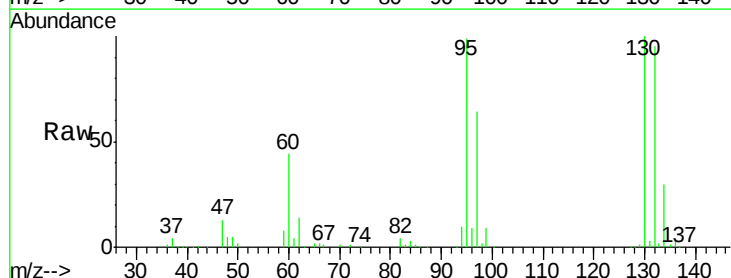
RT: 8.94 min Scan# 1182

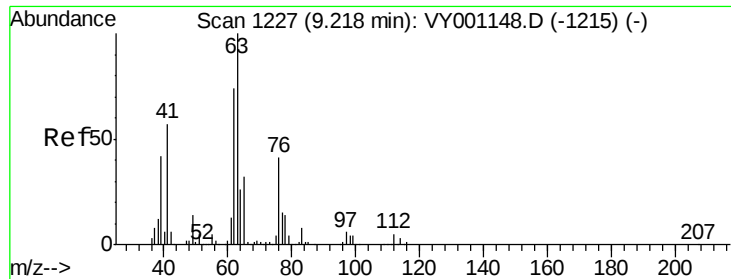
Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Tgt Ion:	130	Resp:	111718
Ion	Ratio	Lower	Upper
130	100		
95	98.9	0.0	197.6





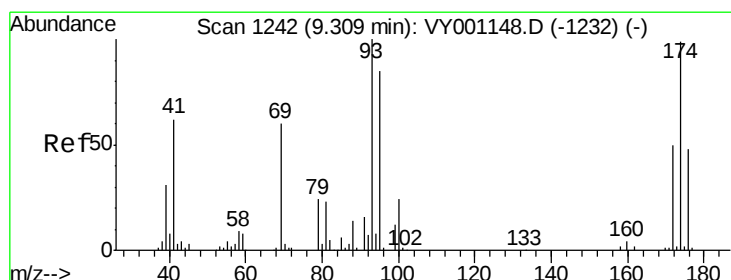
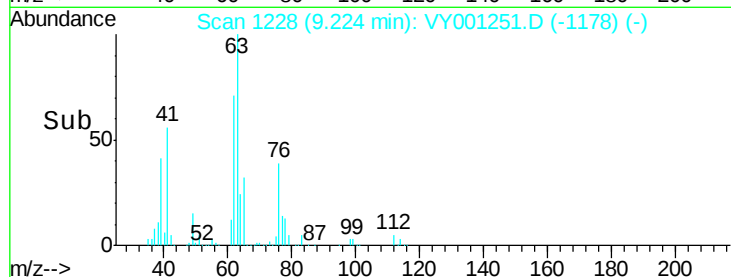
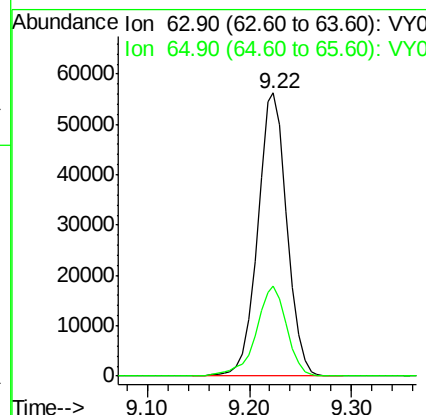
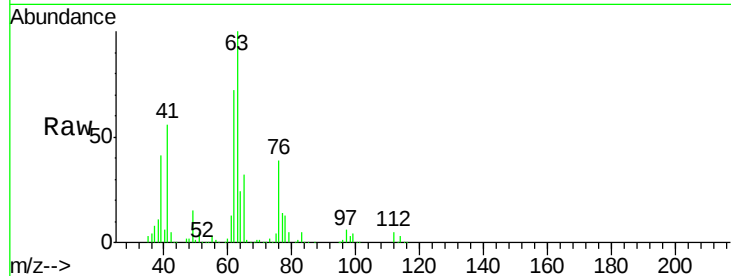
#45
 1,2-Dichloropropane
 Concen: 52.413 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 111799
 Ion Ratio Lower Upper
 63 100
 65 32.0 25.8 38.8

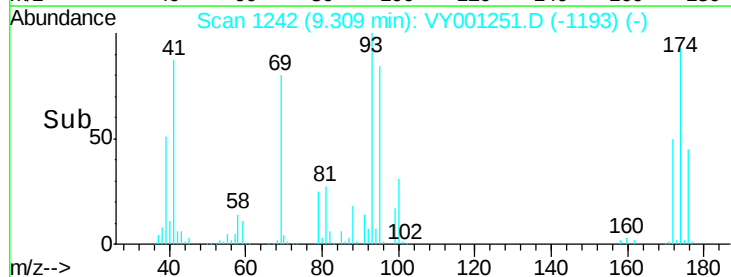
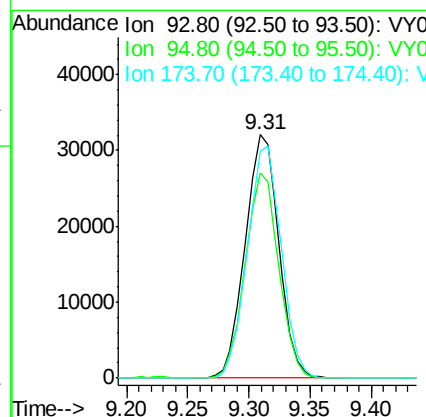
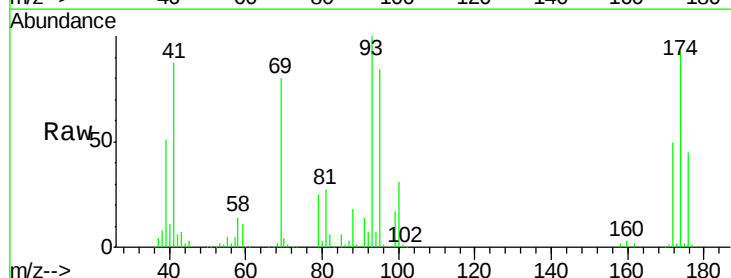
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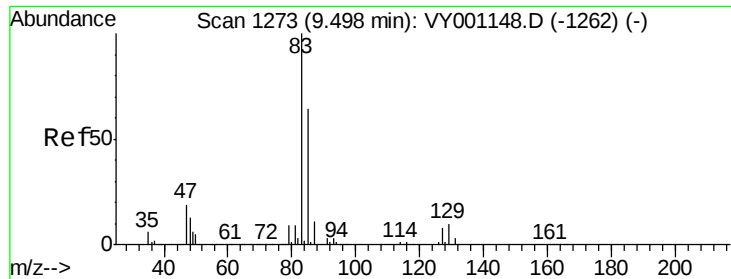
MMDadoda
 1/16/2020 9:37:05 AM



#46
 Dibromomethane
 Concen: 52.826 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion: 93 Resp: 61480
 Ion Ratio Lower Upper
 93 100
 95 84.1 66.8 100.2
 174 96.1 78.4 117.6





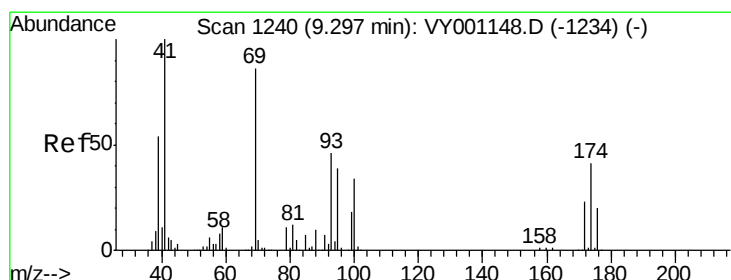
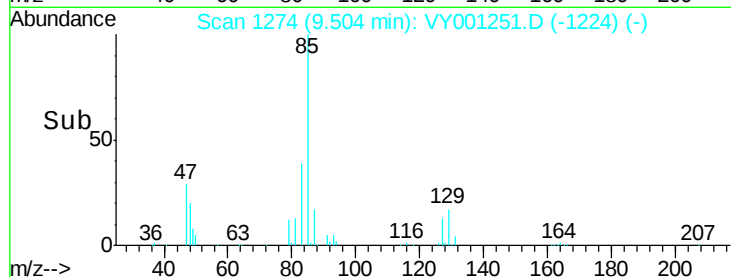
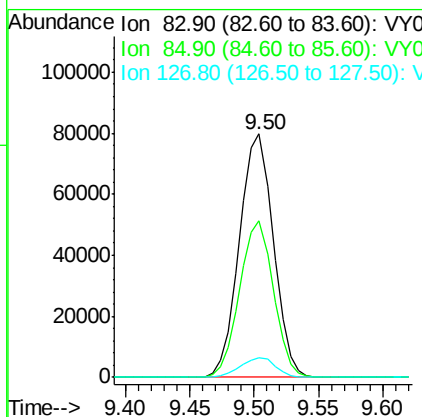
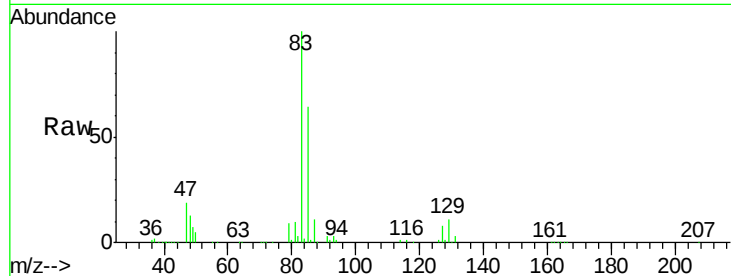
#47
Bromodichloromethane
Concen: 51.478 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.5	77.3
127	8.2	6.3	9.5

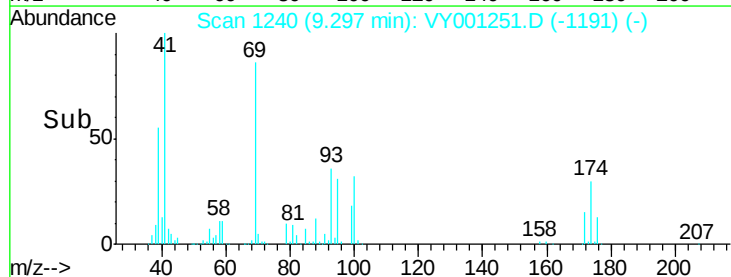
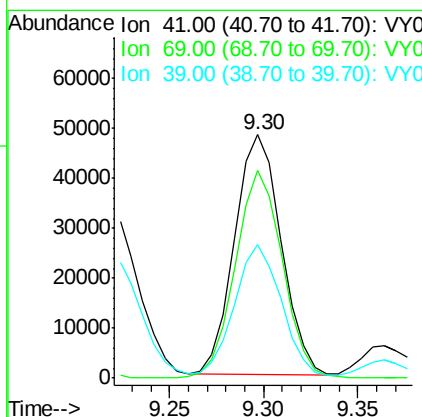
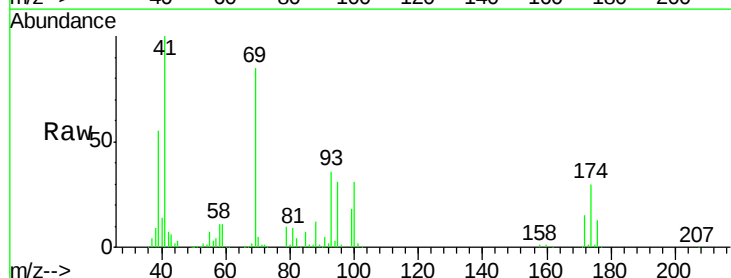
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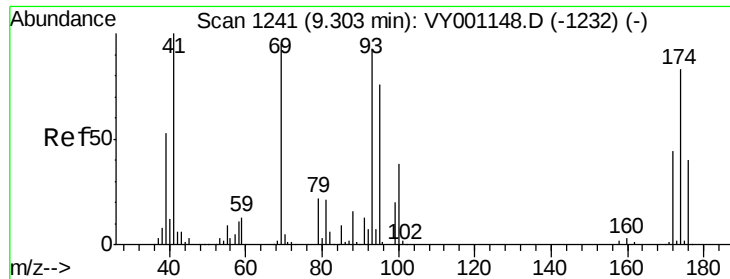
MMDadoda
1/16/2020 9:37:05 AM



#48
Methyl methacrylate
Concen: 53.804 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.5	69.8	104.8
39	56.7	45.2	67.8





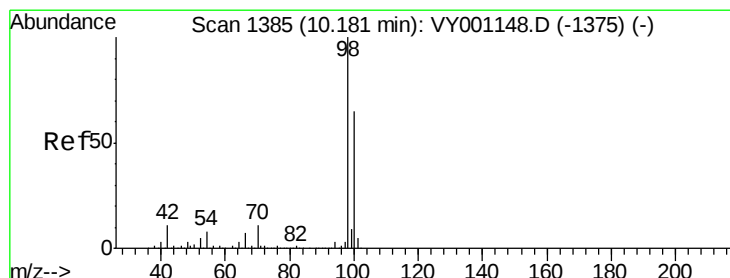
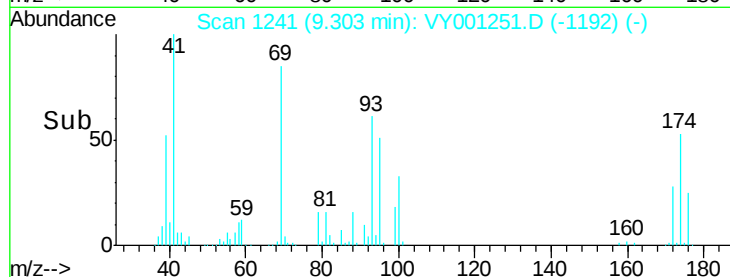
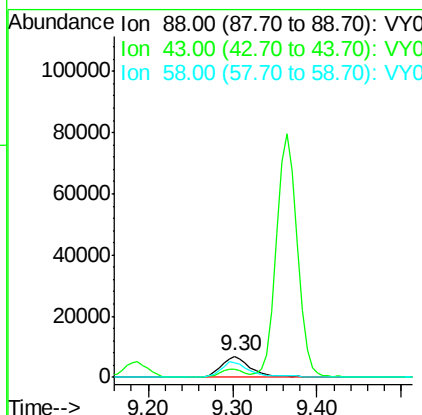
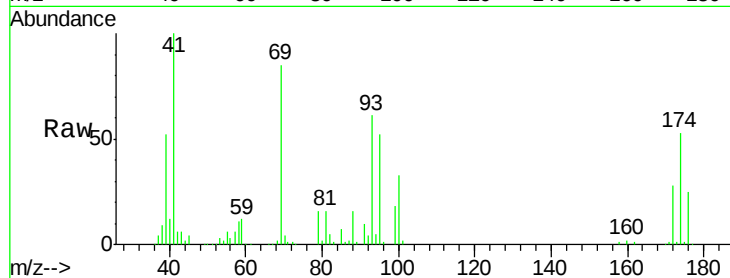
#49
 1,4-Dioxane
 Concen: 1188.506 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	16845
Ion	Ratio	Lower	Upper
88	100		
43	30.7	22.4	33.6
58	68.9	58.0	87.0

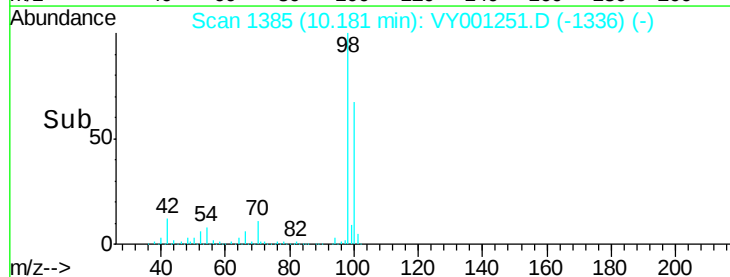
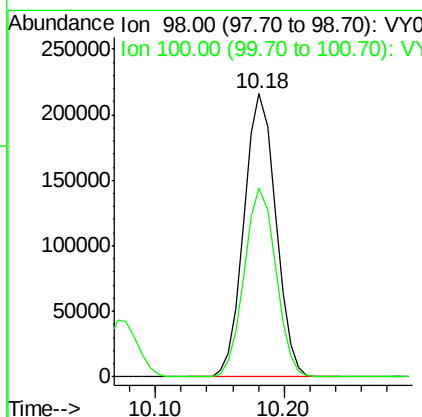
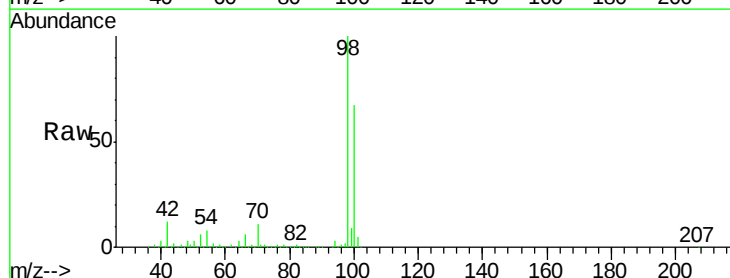
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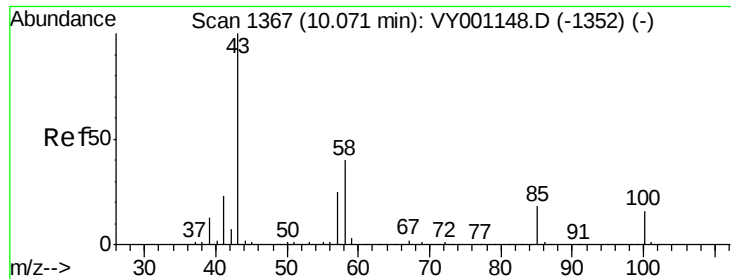
MMDadoda
 1/16/2020 9:37:05 AM



#50
 Toluene-d8
 Concen: 50.435 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion	98	Resp	368993
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.1	79.7





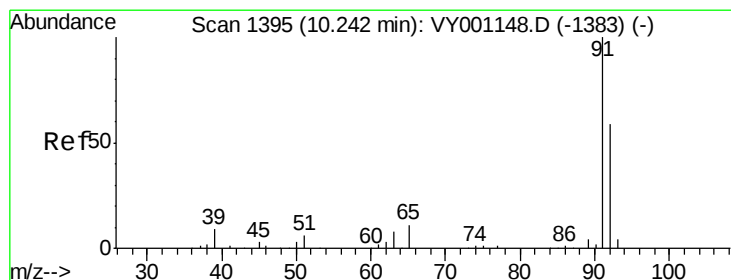
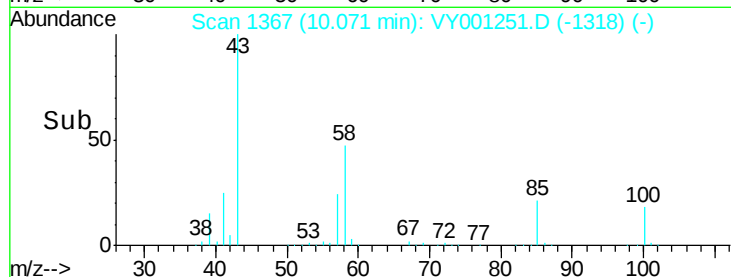
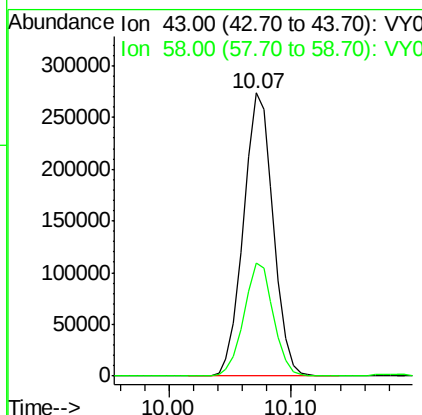
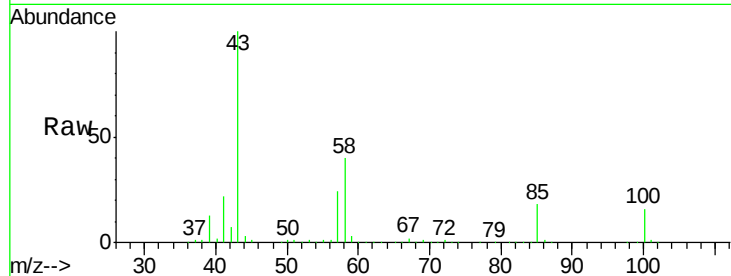
#51
4-Methyl-2-Pentanone
Concen: 274.398 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 461838
Ion Ratio Lower Upper
43 100
58 39.7 32.3 48.5

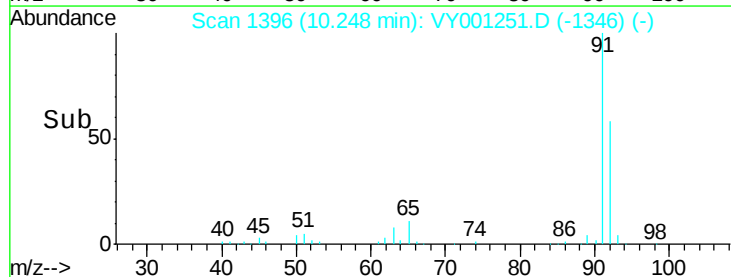
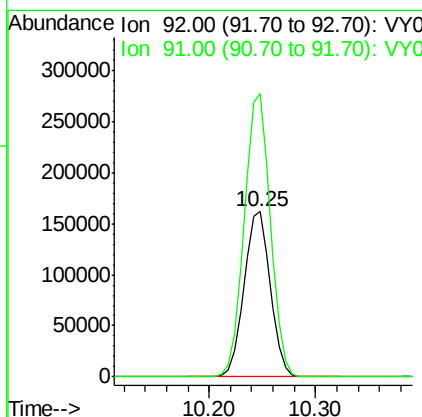
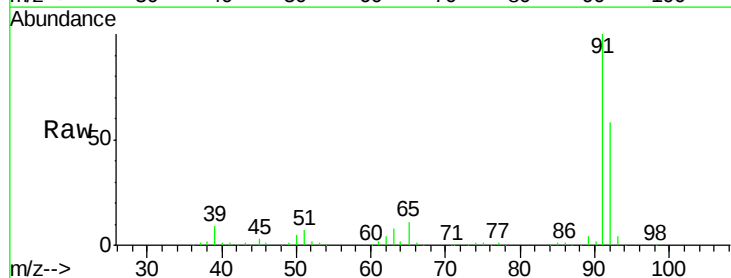
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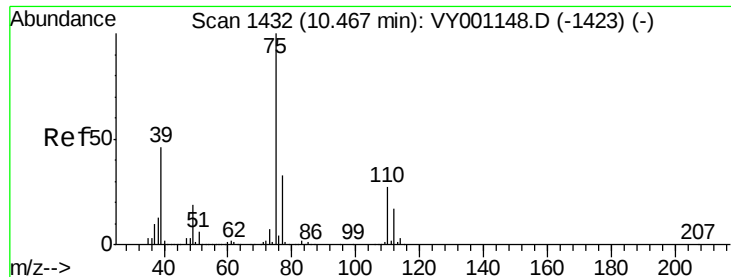
MMDadoda
1/16/2020 9:37:05 AM



#52
Toluene
Concen: 50.737 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion: 92 Resp: 279207
Ion Ratio Lower Upper
92 100
91 171.1 136.6 204.8





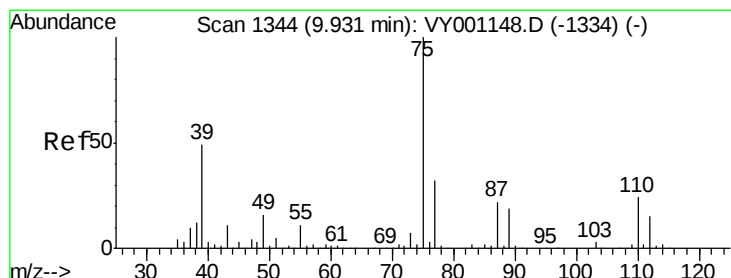
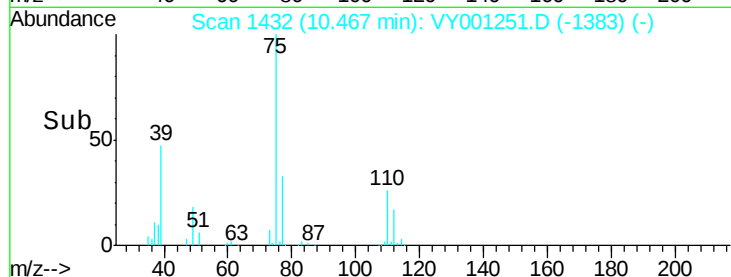
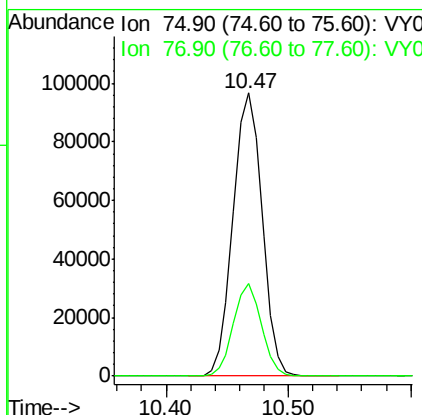
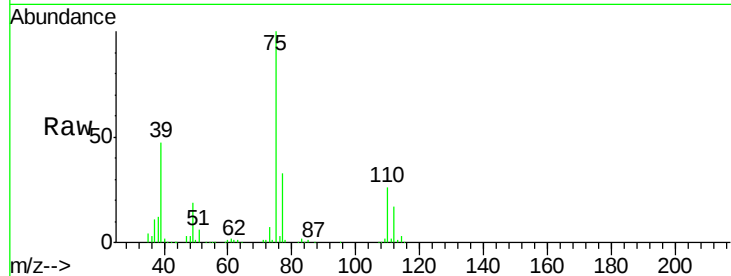
#53
 t-1,3-Dichloropropene
 Concen: 50.194 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	26.2	39.2

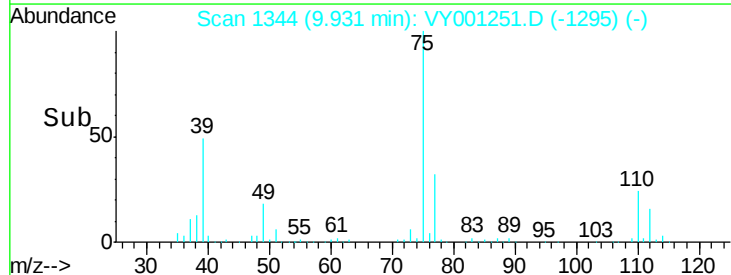
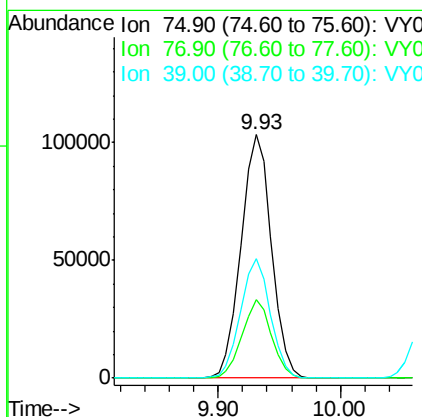
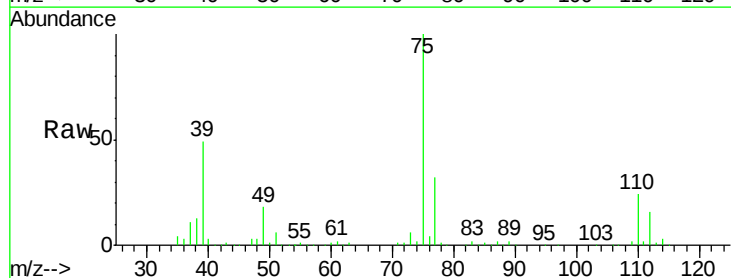
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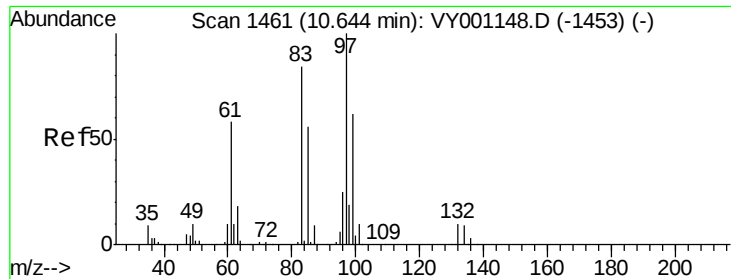
MMDadoda
 1/16/2020 9:37:05 AM



#54
 cis-1,3-Dichloropropene
 Concen: 49.777 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.3	37.9
39	49.1	39.1	58.7





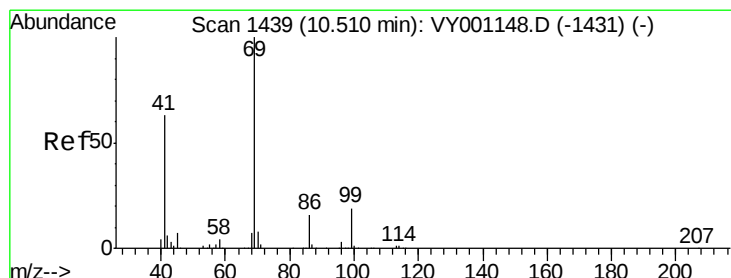
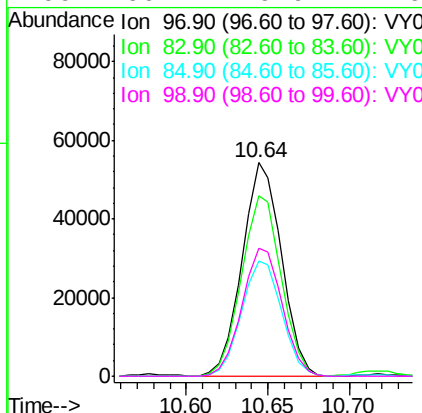
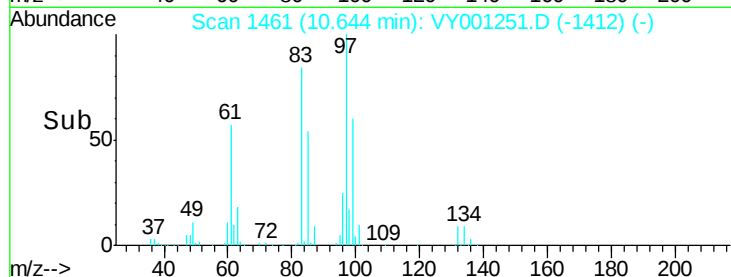
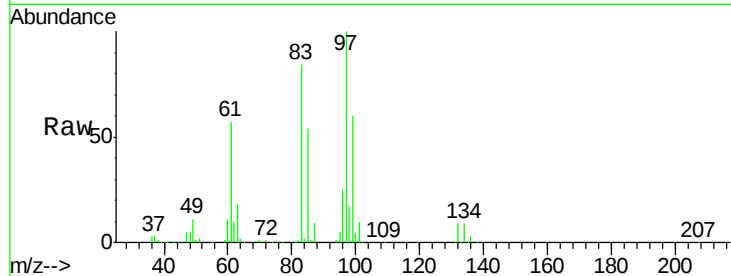
#55
 1,1,2-Trichloroethane
 Concen: 52.589 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	90735
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.2	100.8
85	54.3	44.9	67.3
99	60.2	49.9	74.9

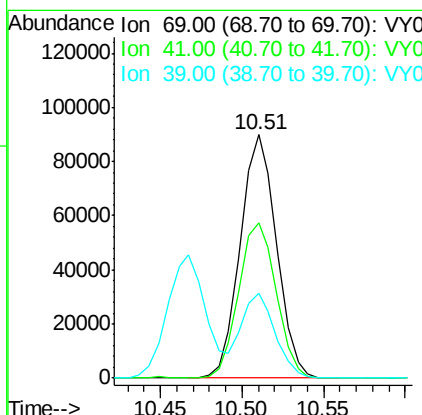
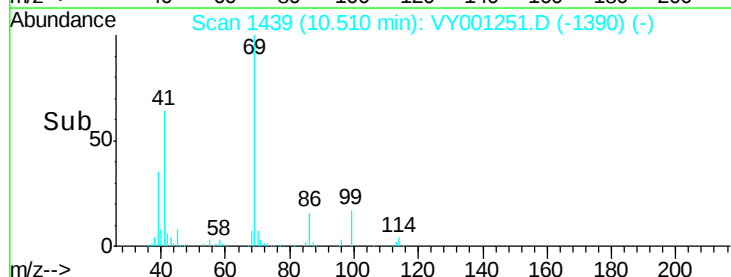
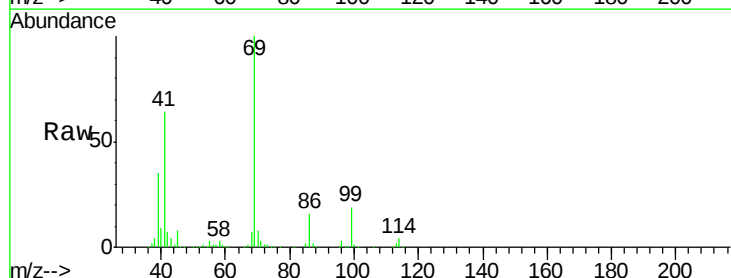
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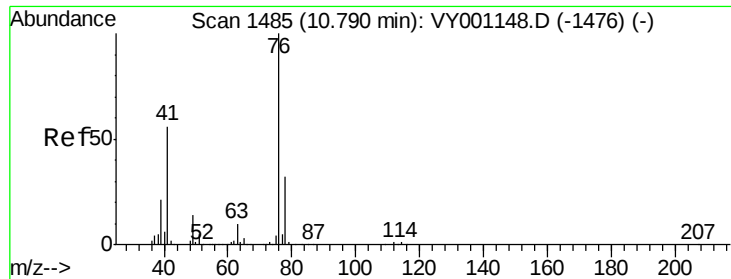
MMDadoda
 1/16/2020 9:37:05 AM



#56
 Ethyl methacrylate
 Concen: 52.699 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion:	69	Resp:	139085
Ion	Ratio	Lower	Upper
69	100		
41	65.9	51.4	77.2
39	32.3	26.3	39.5





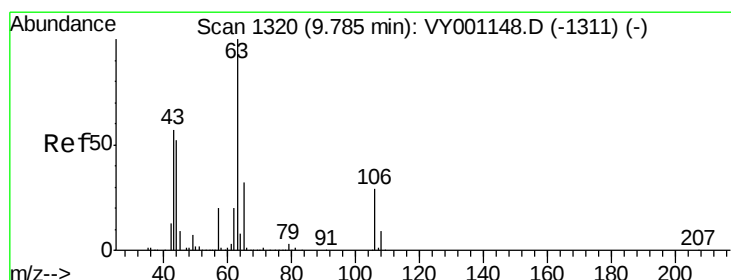
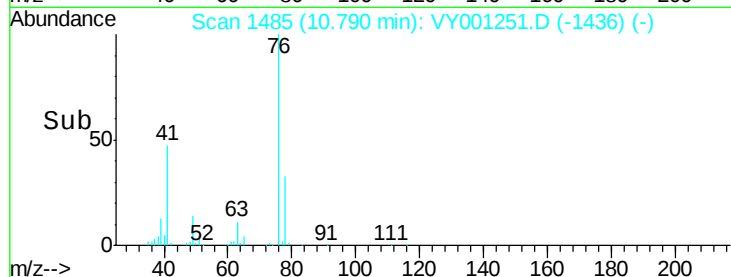
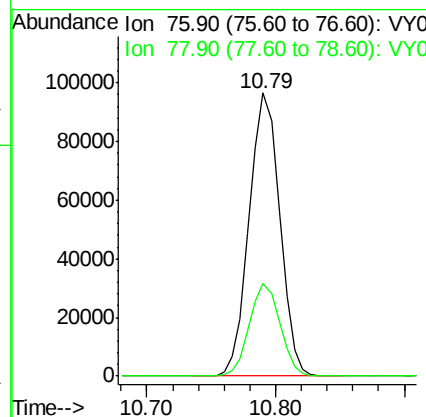
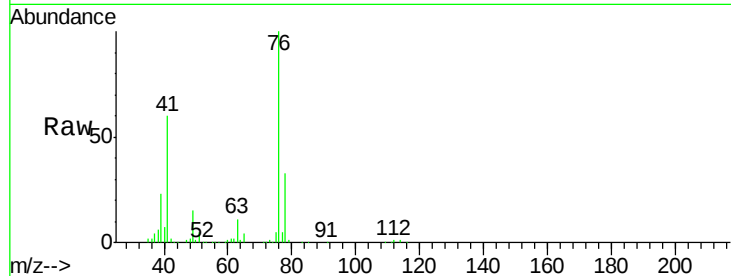
#57
 1,3-Dichloropropane
 Concen: 53.494 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

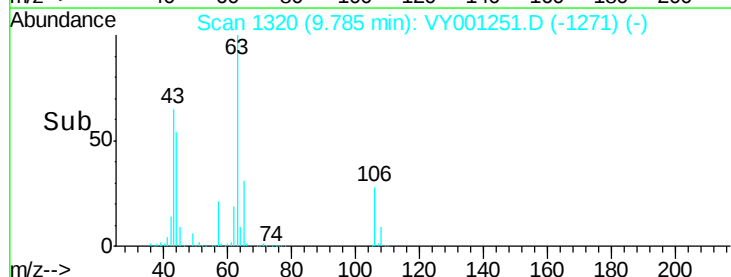
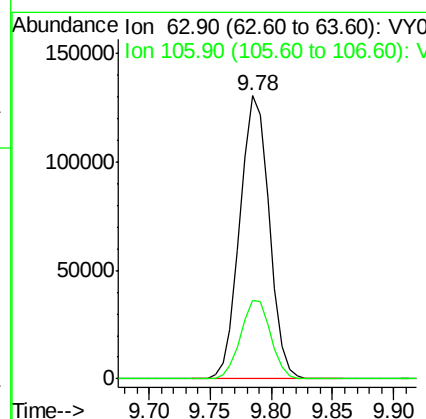
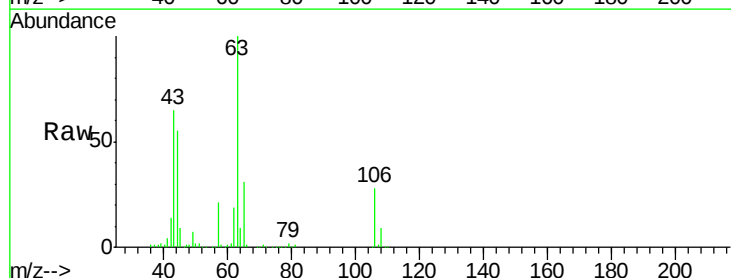
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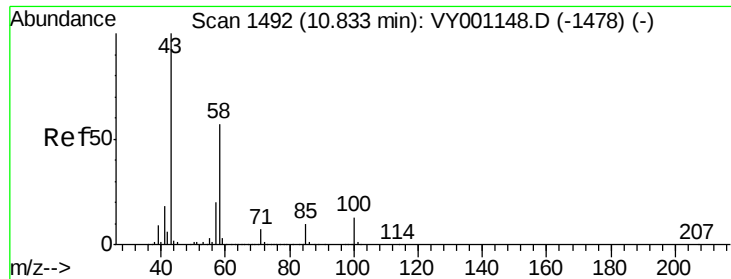
MMDadoda
 1/16/2020 9:37:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 233.713 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.4	23.0	34.6





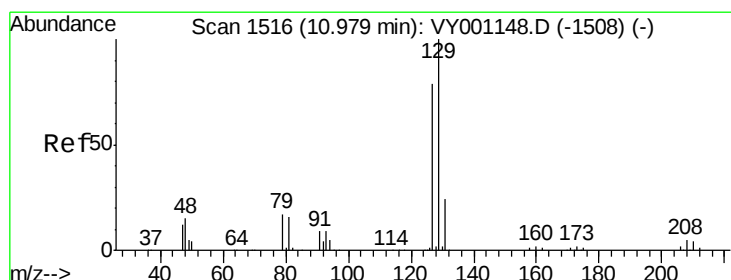
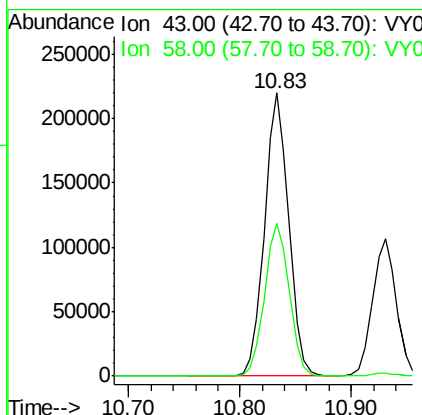
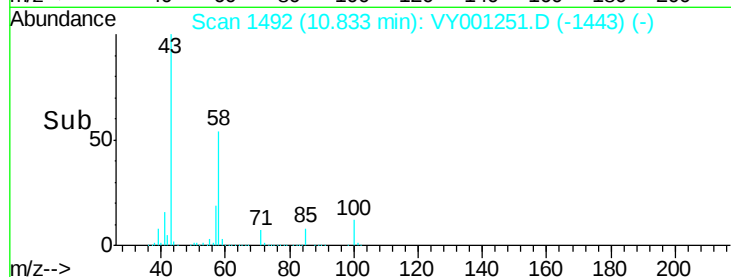
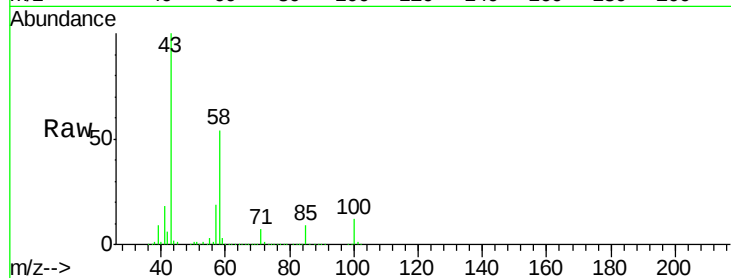
#59
2-Hexanone
Concen: 281.690 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 332273
Ion Ratio Lower Upper
43 100
58 55.1 28.4 85.2

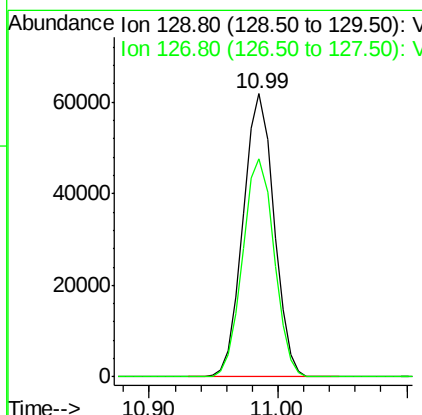
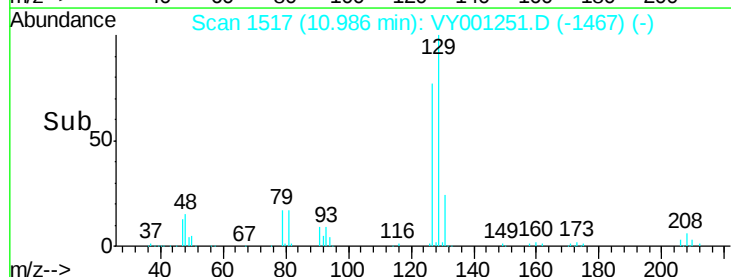
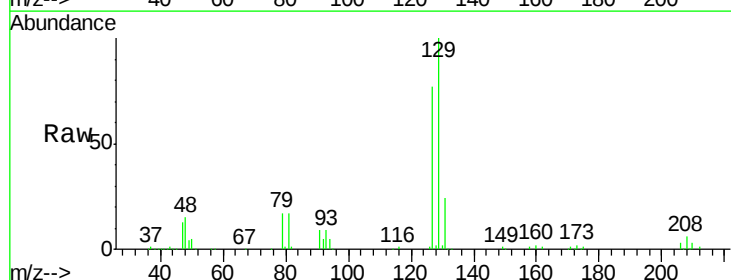
Manual Integrations
APPROVED

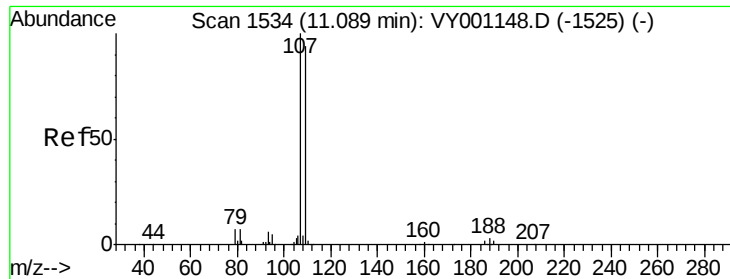
MMDadoda
1/16/2020 9:37:05 AM



#60
Dibromochloromethane
Concen: 51.509 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion: 129 Resp: 102324
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.7





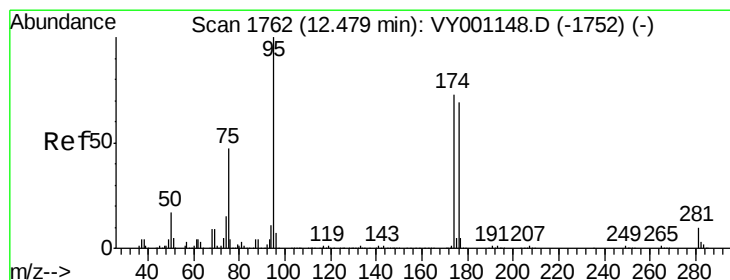
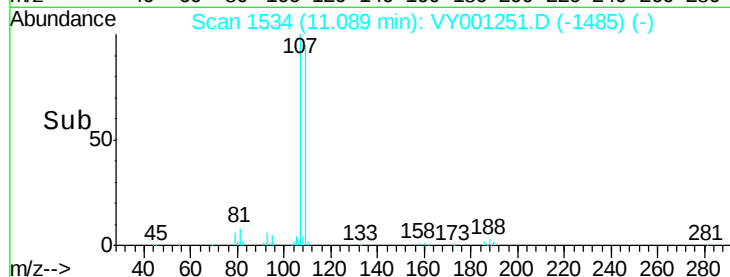
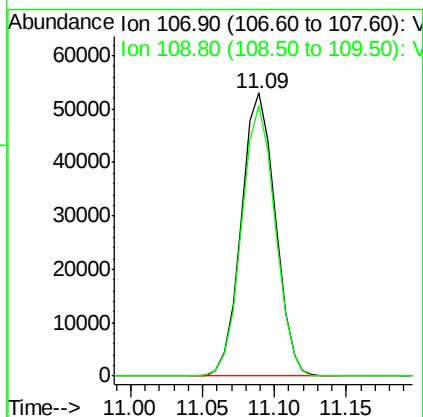
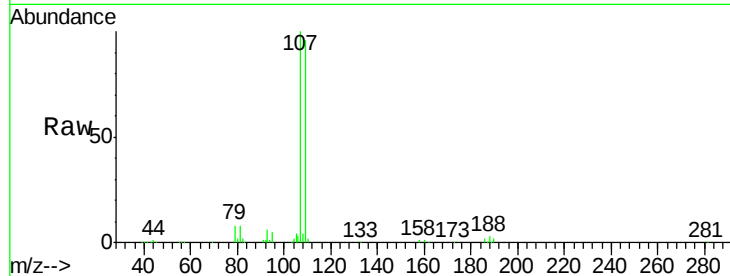
#61
 1,2-Dibromoethane
 Concen: 51.464 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:107 Resp: 86701
 Ion Ratio Lower Upper
 107 100
 109 95.0 75.4 113.0

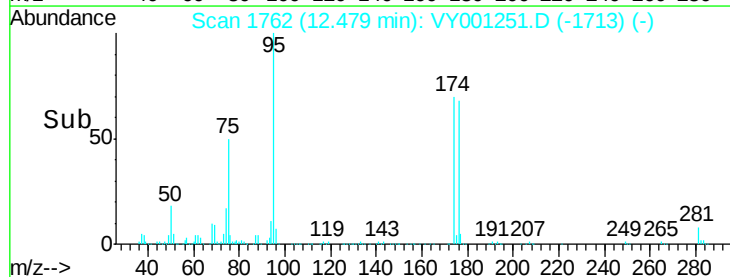
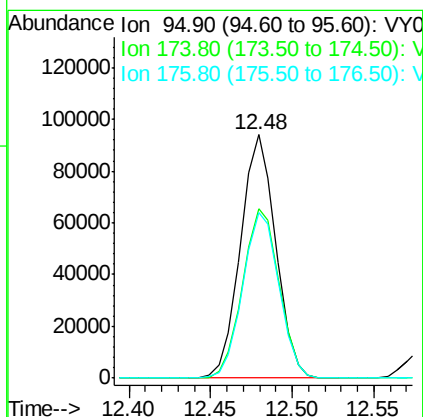
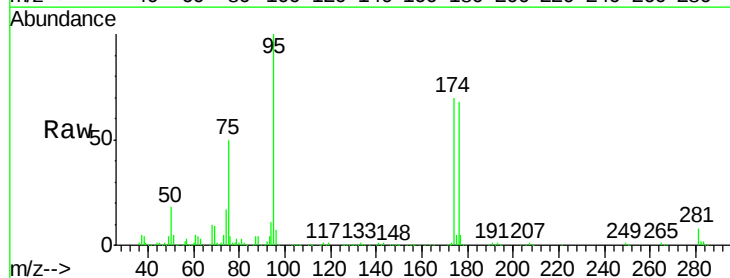
Manual Integrations
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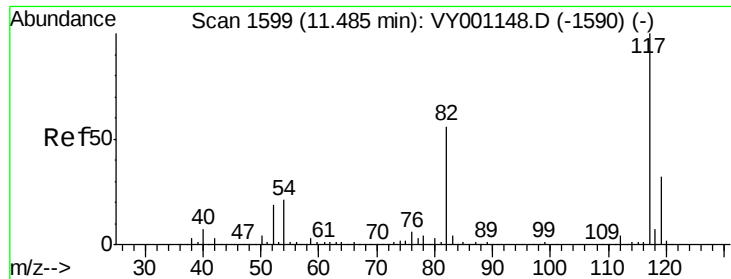
MMDadoda
 1/16/2020 9:37:05 AM



#62
 4-Bromofluorobenzene
 Concen: 47.432 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion: 95 Resp: 141874
 Ion Ratio Lower Upper
 95 100
 174 72.0 0.0 143.2
 176 70.1 0.0 136.0





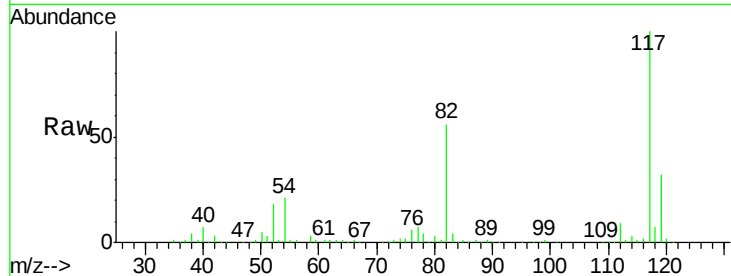
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.0	44.9	67.3
119	31.9	25.7	38.5

Manual Integrations
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1/16/2020 9:37:05 AM

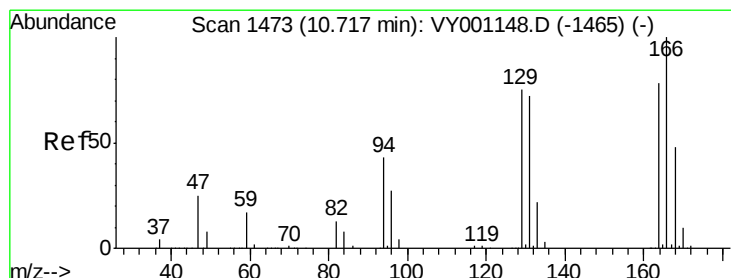
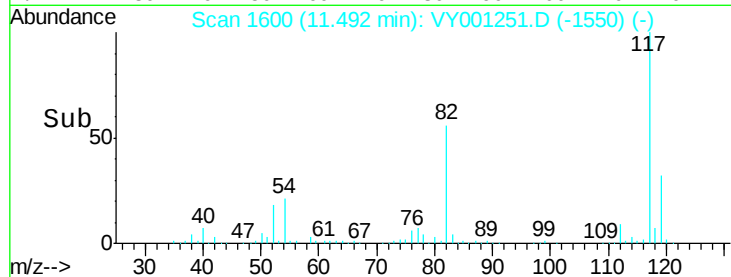
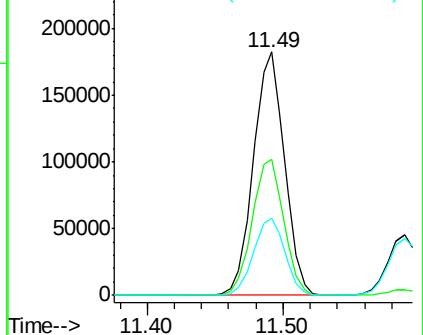


Abundance

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: 49.760 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.2	102.3	153.5
129	95.4	76.2	114.4
131	94.2	73.9	110.9

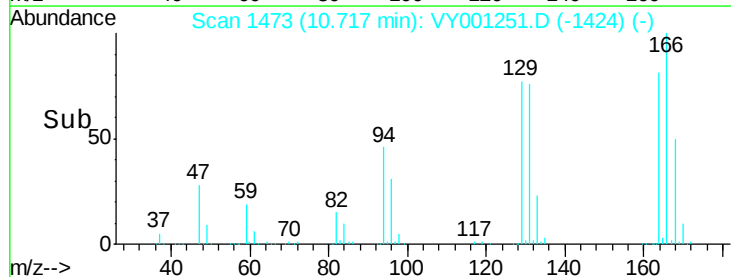
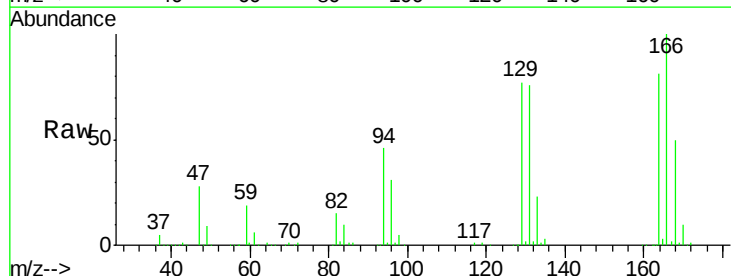
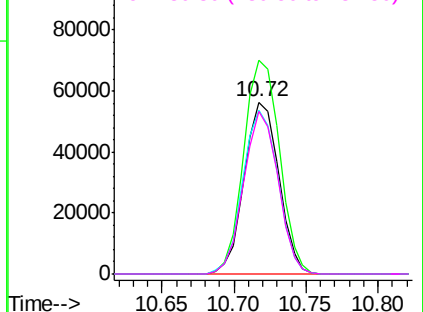
Abundance

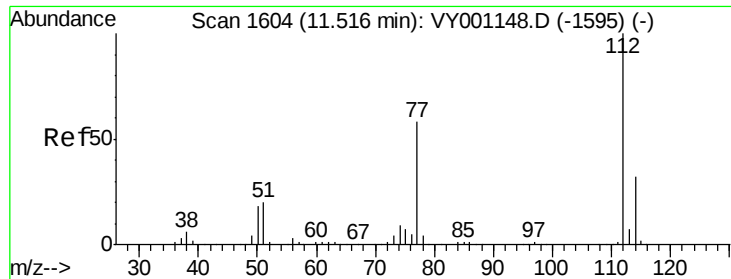
Ion 163.80 (163.50 to 164.50): V

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





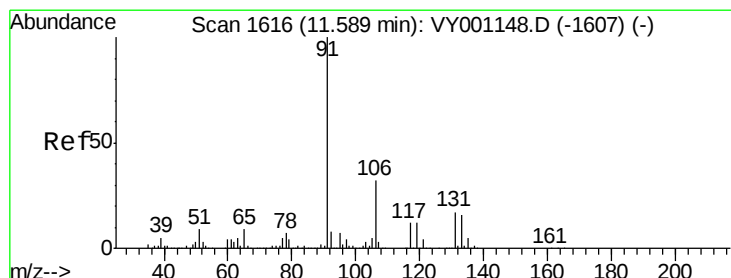
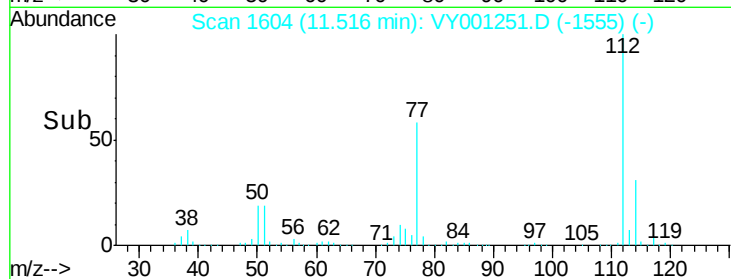
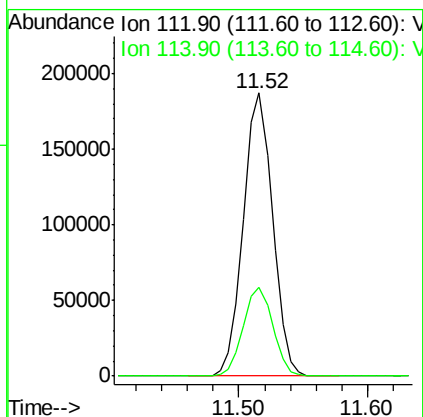
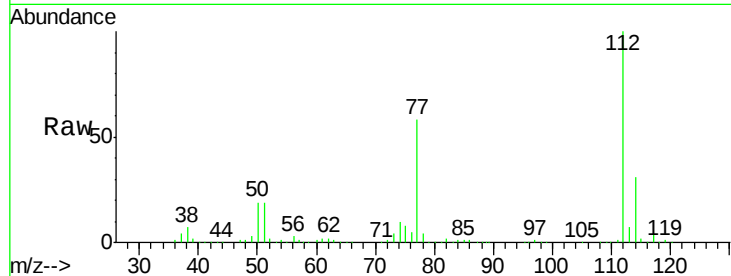
#65
Chlorobenzene
Concen: 50.167 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 293403
Ion Ratio Lower Upper
112 100
114 31.5 25.9 38.9

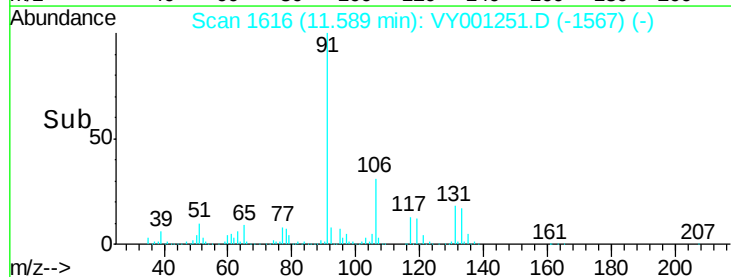
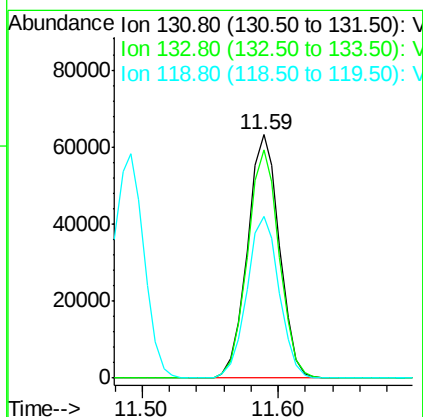
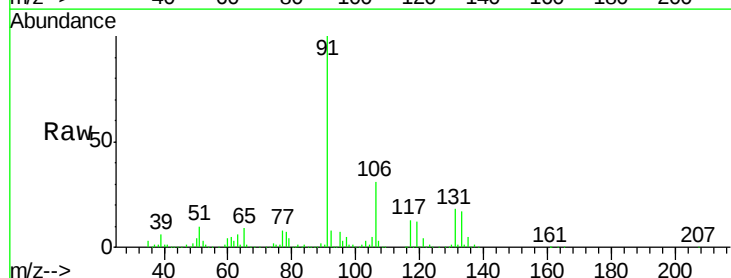
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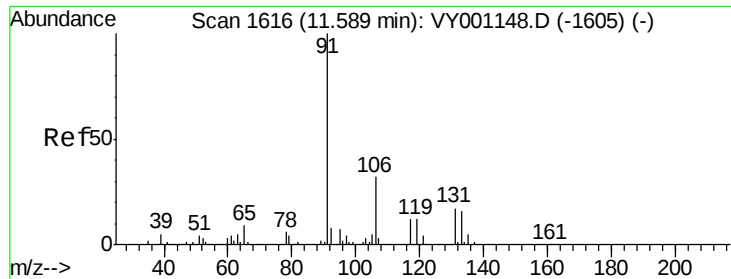
MMDadoda
1/16/2020 9:37:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.577 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion:131 Resp: 103965
Ion Ratio Lower Upper
131 100
133 93.6 47.3 142.0
119 66.9 33.6 100.8





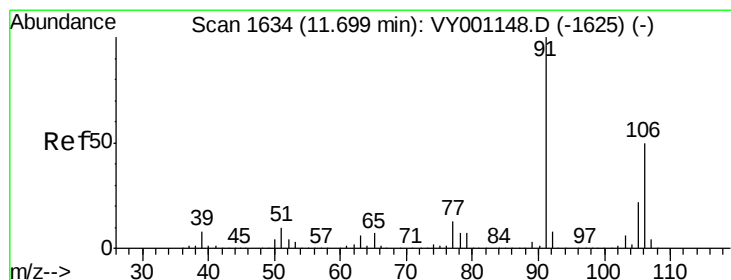
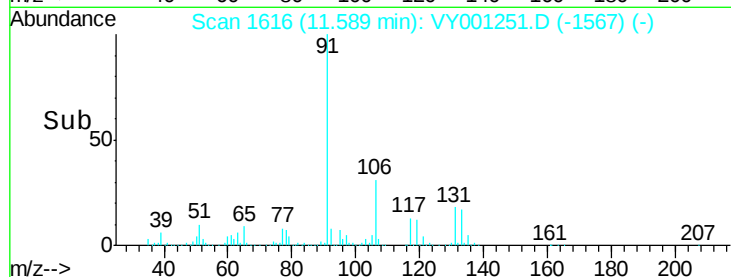
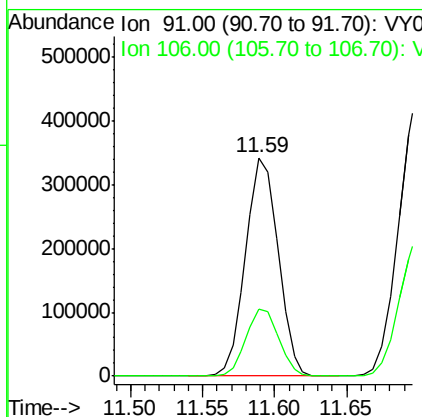
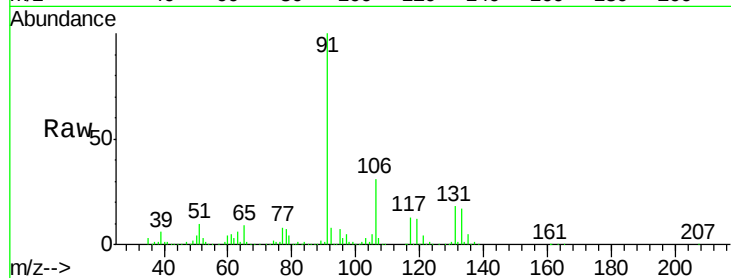
#67
Ethyl Benzene
Concen: 50.123 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 536259
Ion Ratio Lower Upper
91 100
106 30.9 25.3 37.9

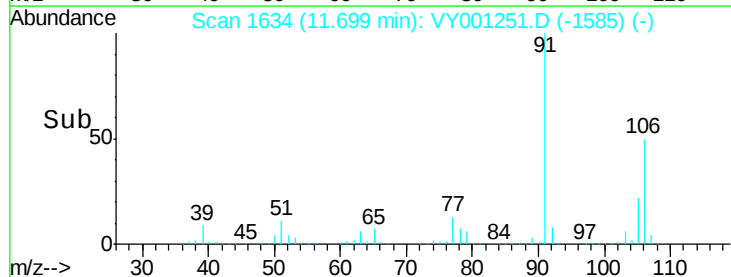
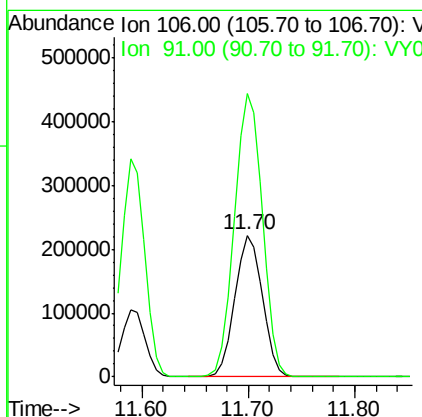
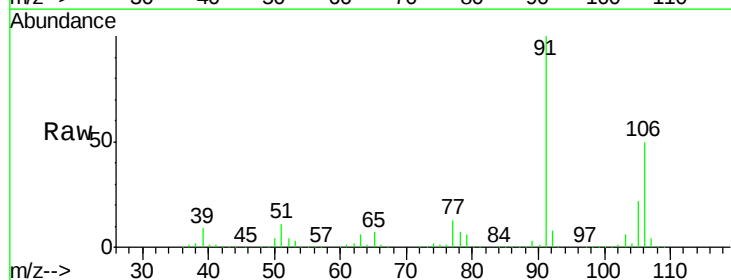
Manual Integrations
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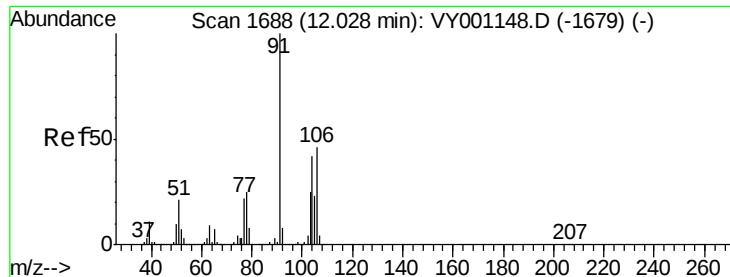
MMDadoda
1/16/2020 9:37:05 AM



#68
m/p-Xylenes
Concen: 99.864 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion: 106 Resp: 403041
Ion Ratio Lower Upper
106 100
91 203.0 161.4 242.2





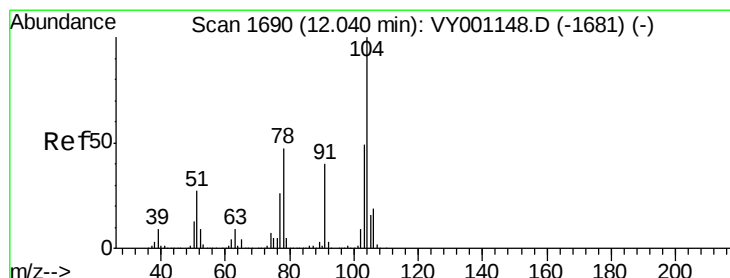
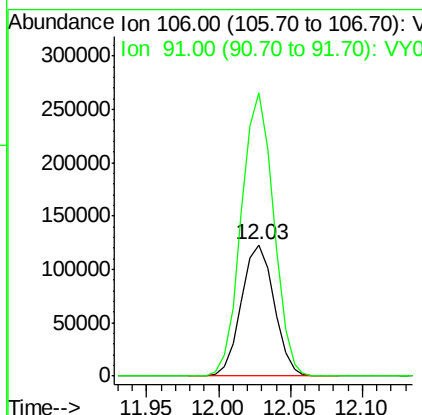
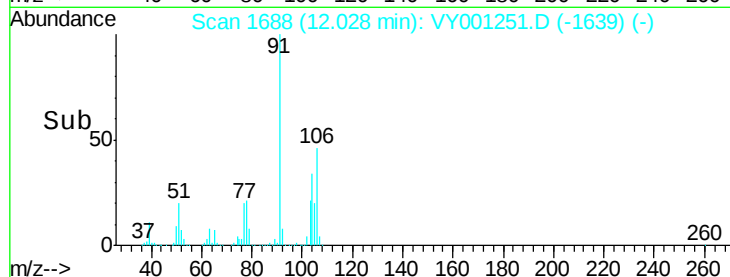
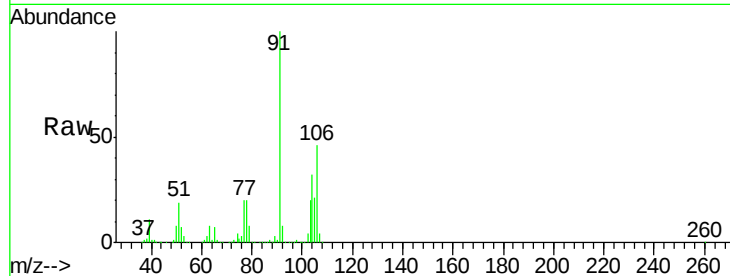
#69
o-Xylene
Concen: 50.403 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.6	106.3	318.8	

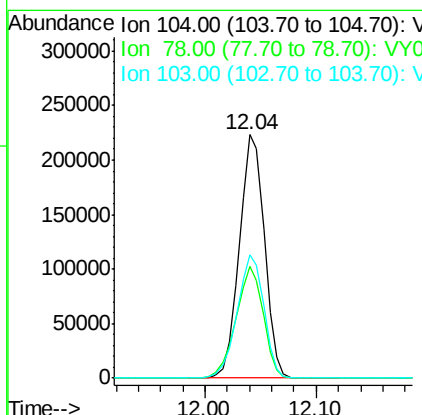
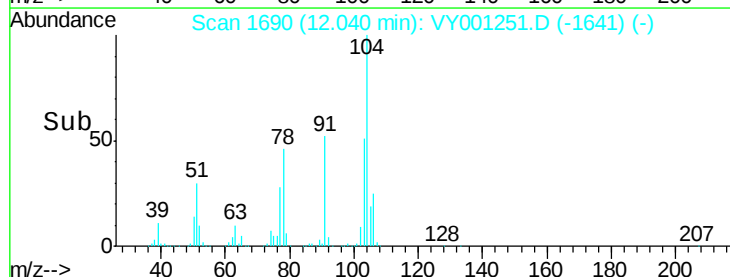
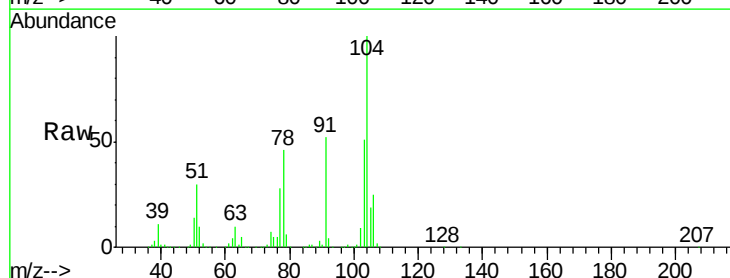
Manual Integrations
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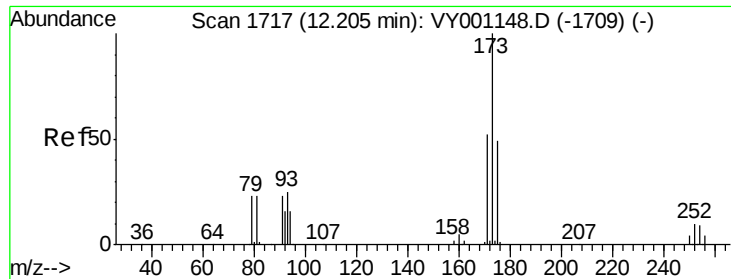
MMDadoda
1/16/2020 9:37:05 AM



#70
Styrene
Concen: 51.288 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.5	40.5	60.7	
103	53.9	42.4	63.6	





#71

Bromoform

Concen: 50.380 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 62628

Ion Ratio Lower Upper

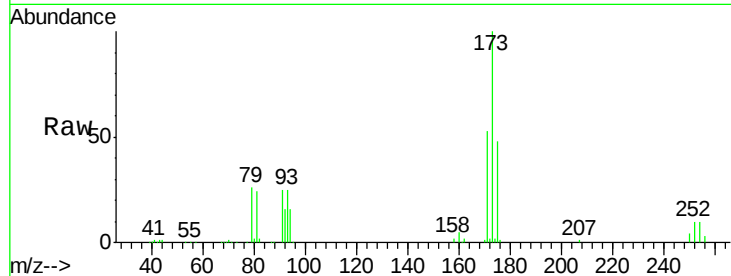
173 100

175 49.7 24.1 72.2

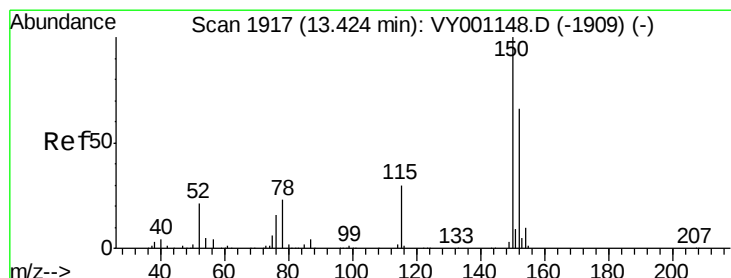
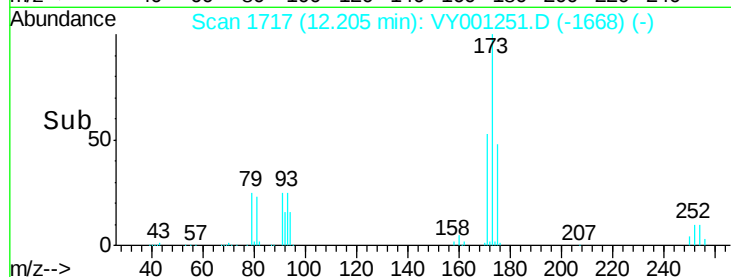
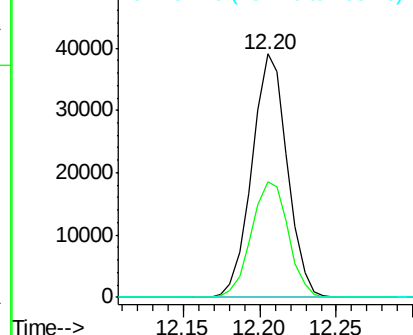
254 0.0 0.1 0.1#

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MMDadoda
1/16/2020 9:37:05 AM



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: VY001251.D

Acq: 16 Jan 2020 04:29

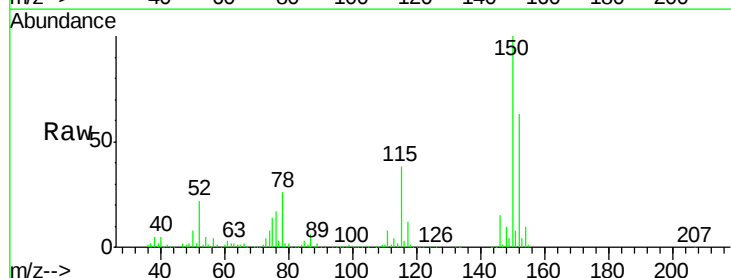
Tgt Ion:152 Resp: 141091

Ion Ratio Lower Upper

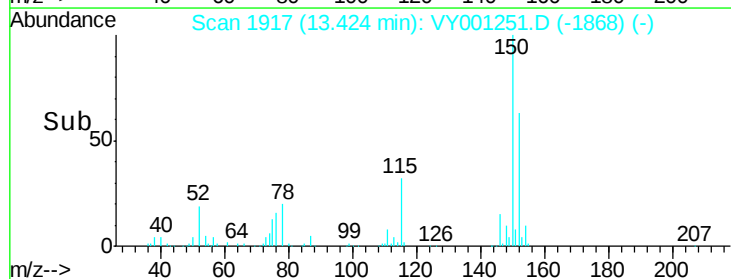
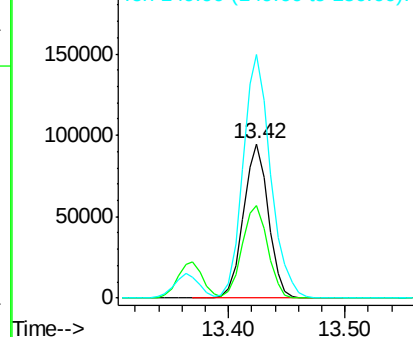
152 100

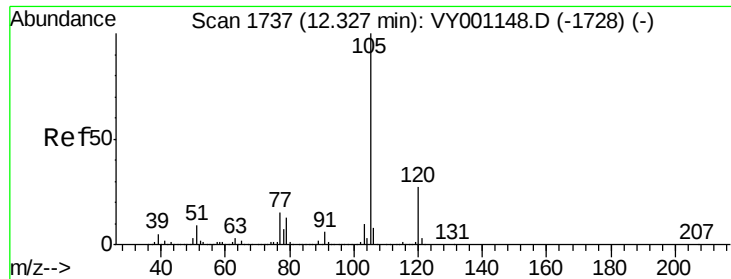
115 61.5 30.9 92.5

150 175.1 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





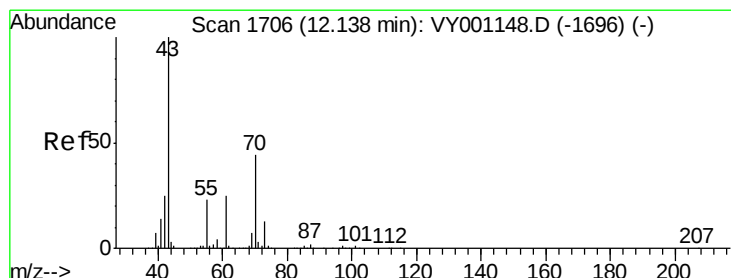
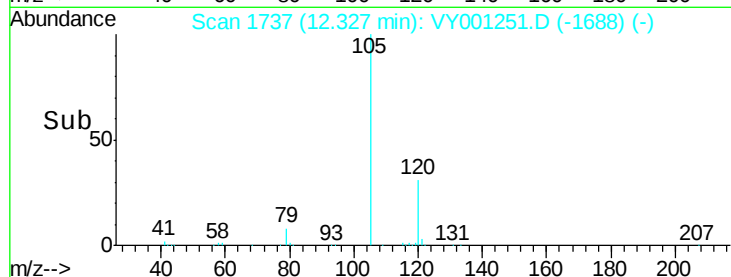
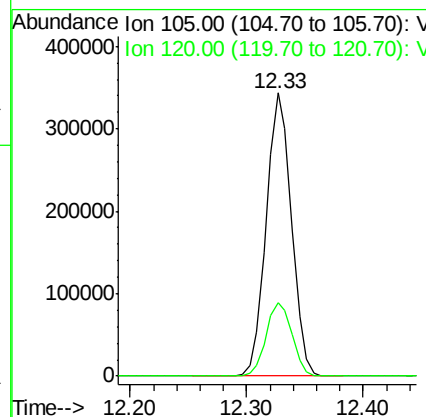
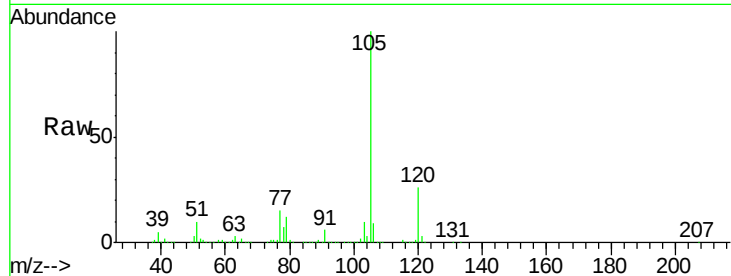
#73
Isopropylbenzene
Concen: 48.530 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.4	40.2

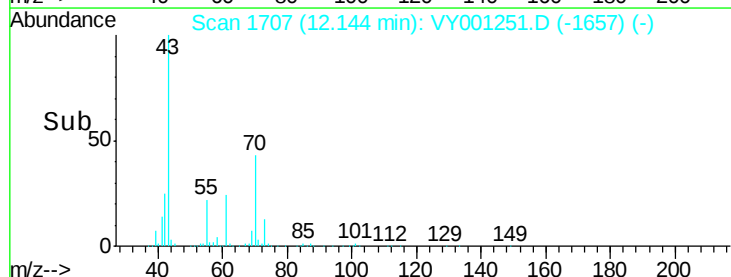
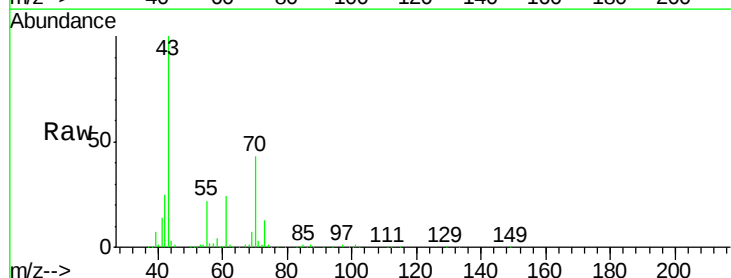
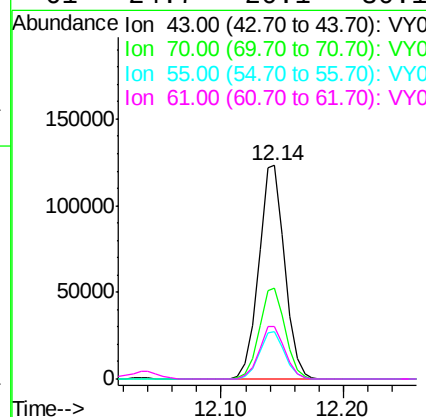
Manual Integrations
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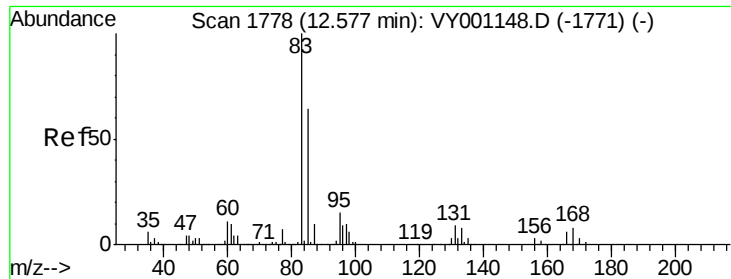
MMDadoda
1/16/2020 9:37:05 AM



#74
N-ethyl acetate
Concen: 54.810 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.6	35.0	52.6
55	22.1	18.4	27.6
61	24.7	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.618 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

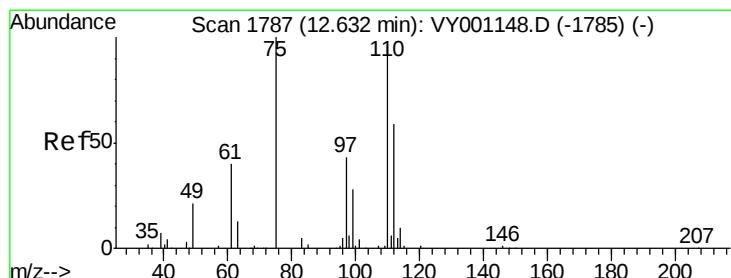
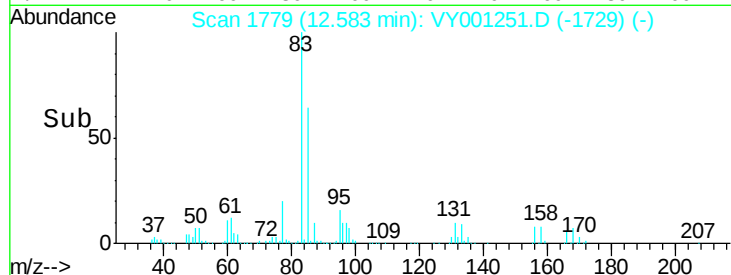
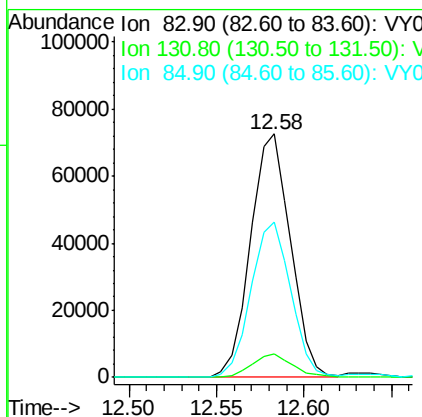
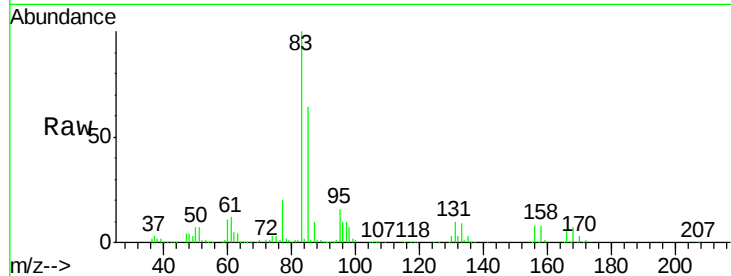
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	115190
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	63.9	32.2	96.6

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#76

1,2,3-Trichloropropane

Concen: 51.580 ug/l m

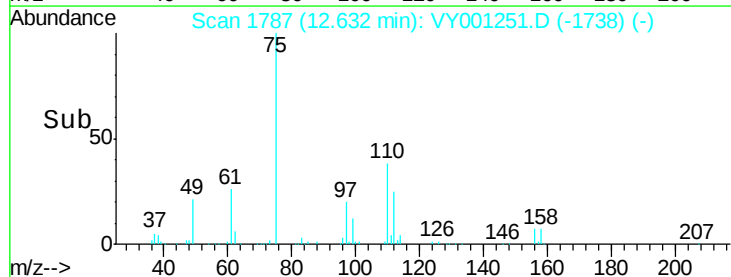
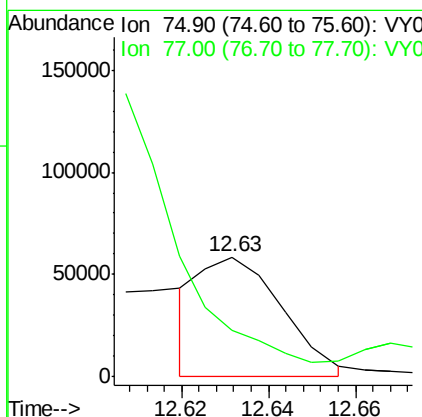
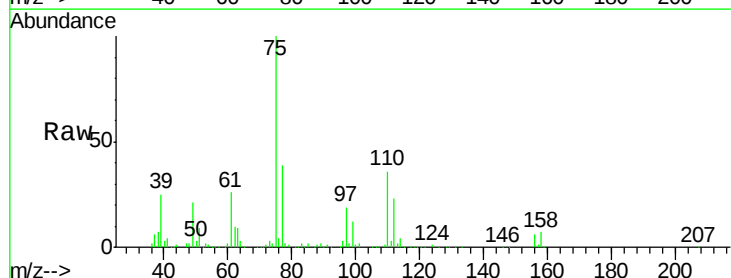
RT: 12.63 min Scan# 1787

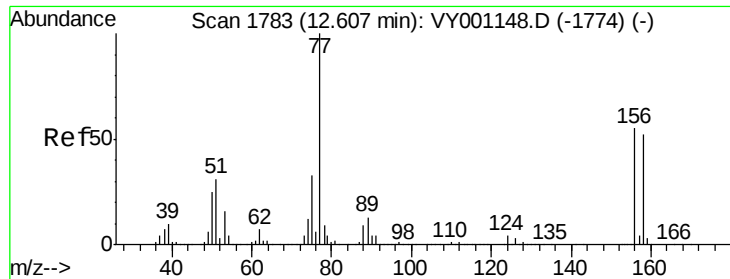
Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Tgt Ion:	75	Resp:	77906
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.512 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 118386

Ion Ratio Lower Upper

156 100

77 209.8 106.7 320.1

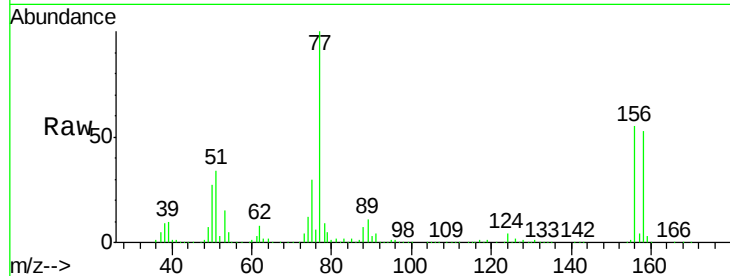
158 96.4 48.3 144.8

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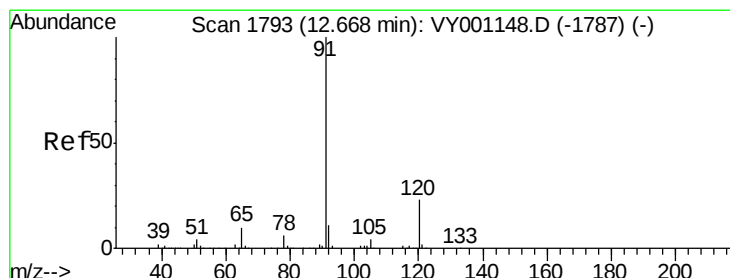
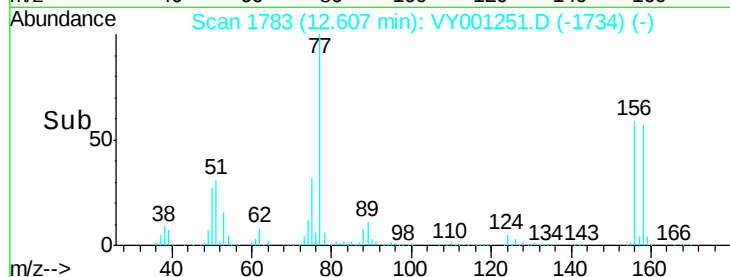
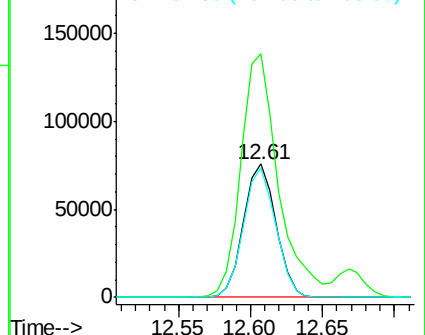
1/16/2020 9:37:05 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.571 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001251.D

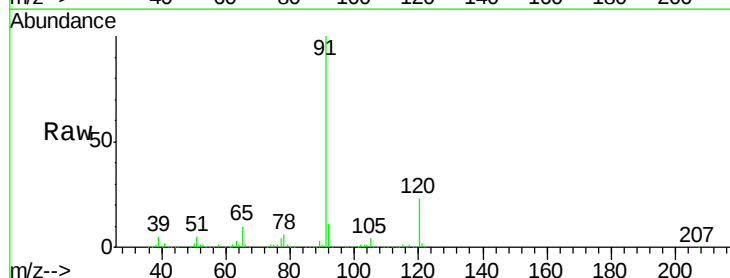
Acq: 16 Jan 2020 04:29

Tgt Ion: 91 Resp: 619684

Ion Ratio Lower Upper

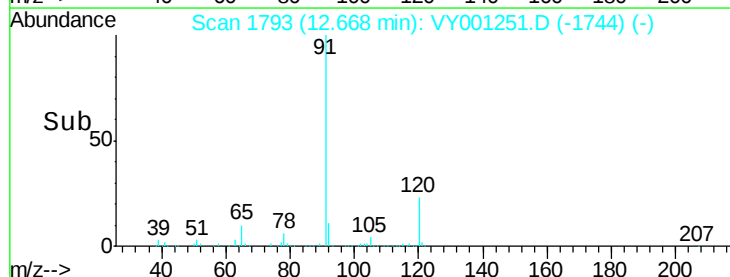
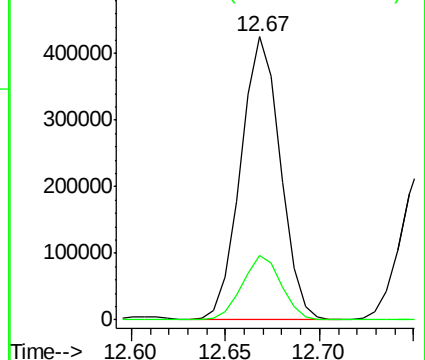
91 100

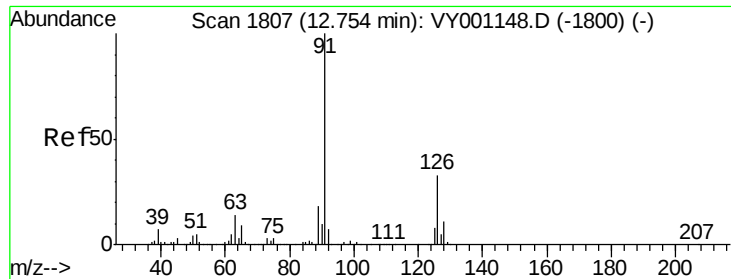
120 22.5 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.274 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 361041

Ion Ratio Lower Upper

91 100

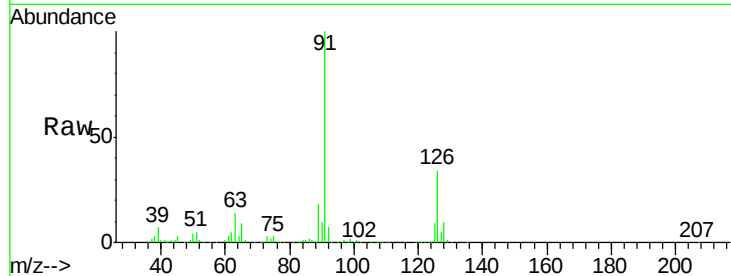
126 33.2 16.4 49.4

Manual Integrations

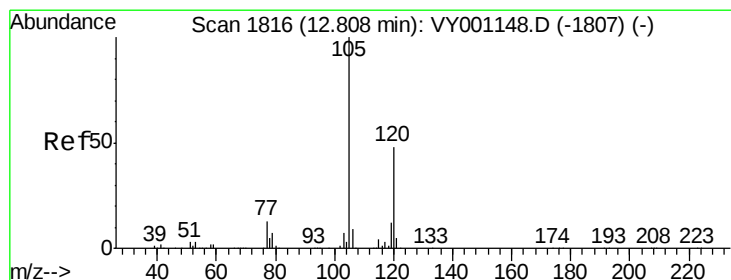
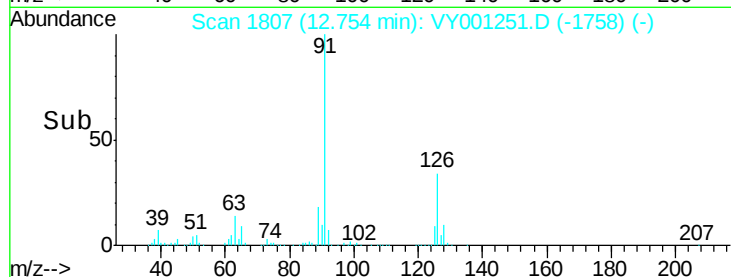
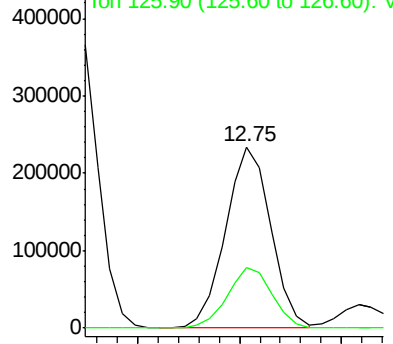
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Abundance Ion 91.00 (90.70 to 91.70): VY001148.D (-1800) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.120 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001251.D

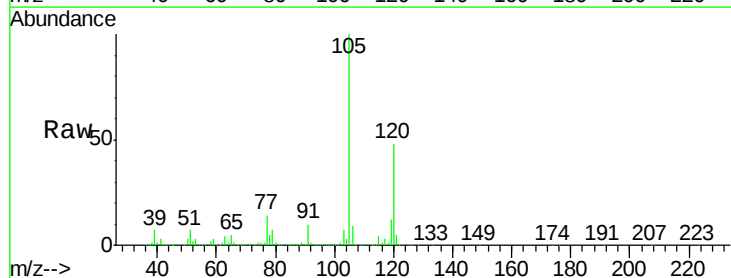
Acq: 16 Jan 2020 04:29

Tgt Ion: 105 Resp: 434715

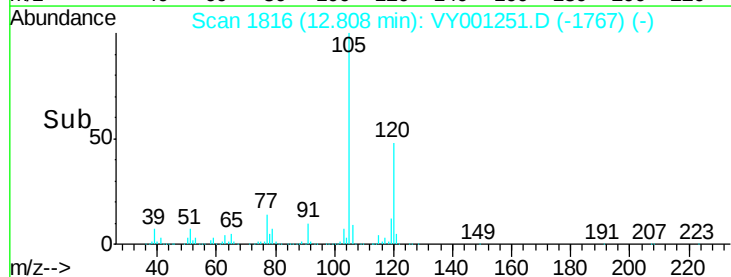
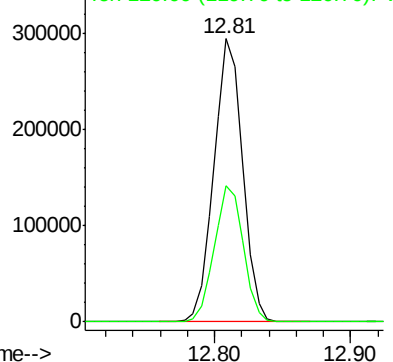
Ion Ratio Lower Upper

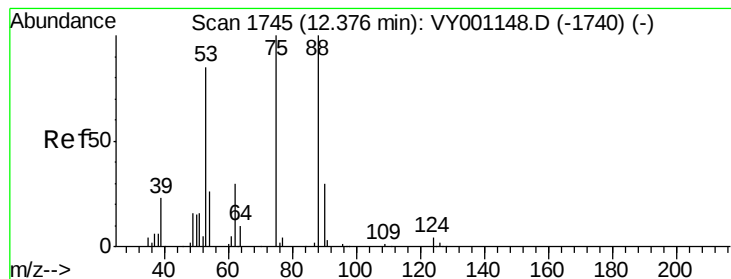
105 100

120 48.5 24.2 72.6



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





#81

trans-1,4-Dichloro-2-butene

Concen: 46.589 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 41496

Ion Ratio Lower Upper

75 100

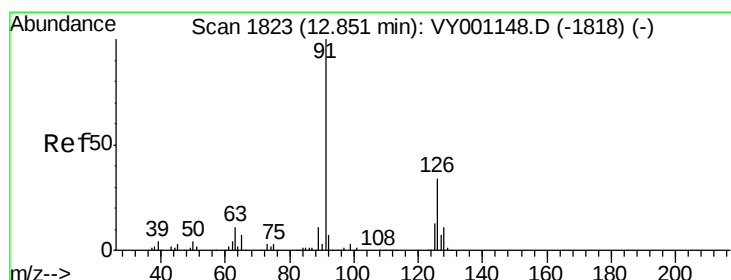
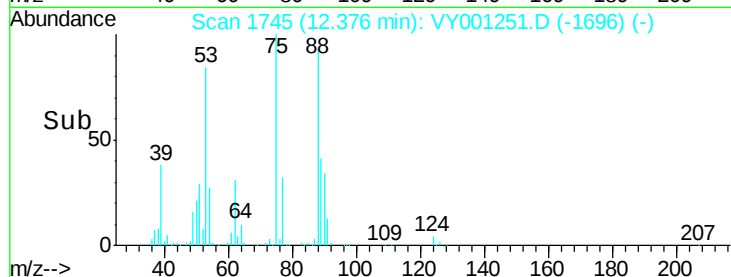
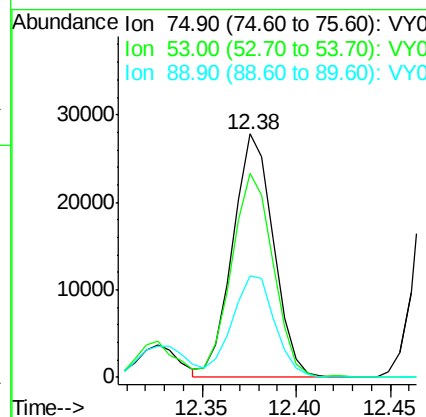
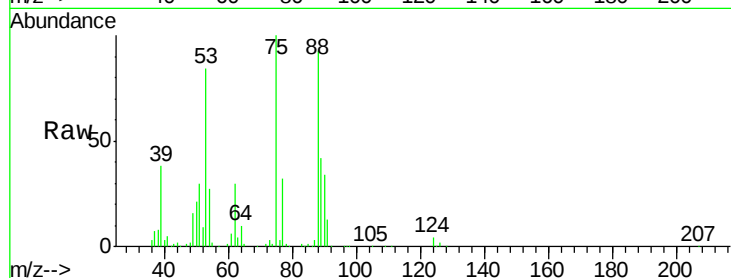
53 86.3 69.4 104.2

89 43.9 0.0 0.0#

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#82

4-Chlorotoluene

Concen: 49.041 ug/l

RT: 12.85 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VY001251.D

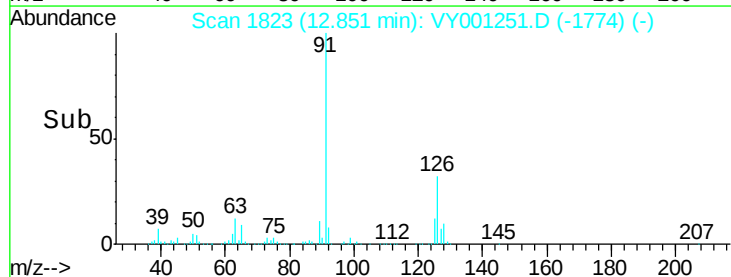
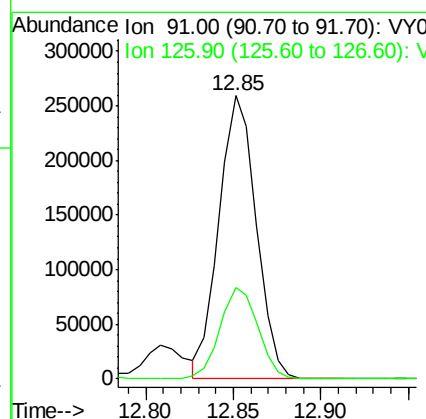
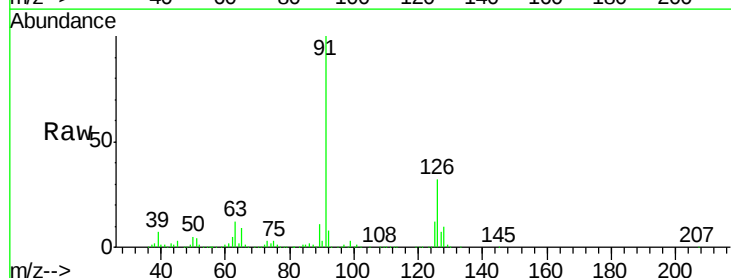
Acq: 16 Jan 2020 04:29

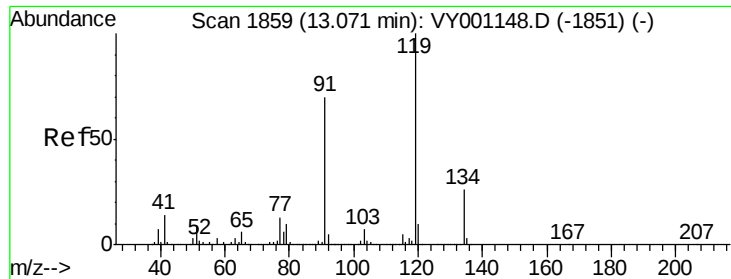
Tgt Ion: 91 Resp: 383615

Ion Ratio Lower Upper

91 100

126 33.1 16.3 48.8





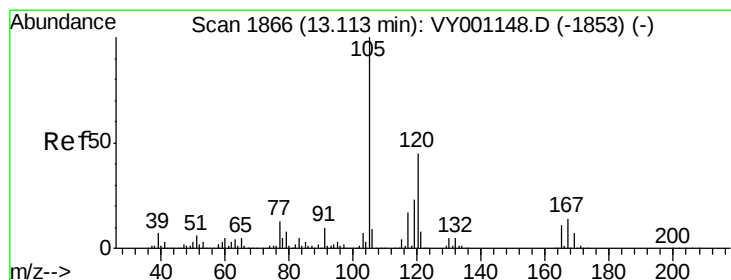
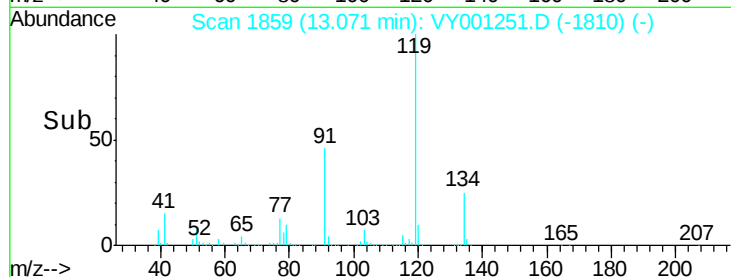
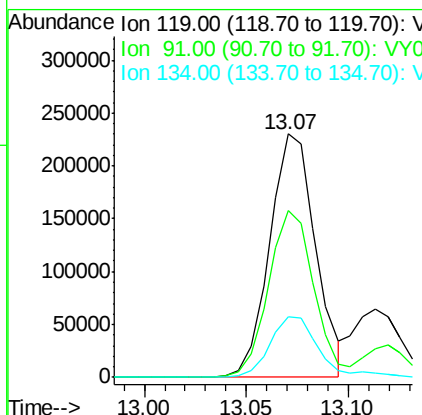
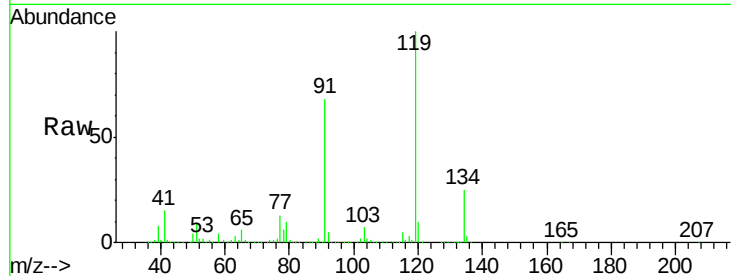
#83
tert-Butylbenzene
Concen: 48.537 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.9	101.7
134	26.7	13.5	40.4

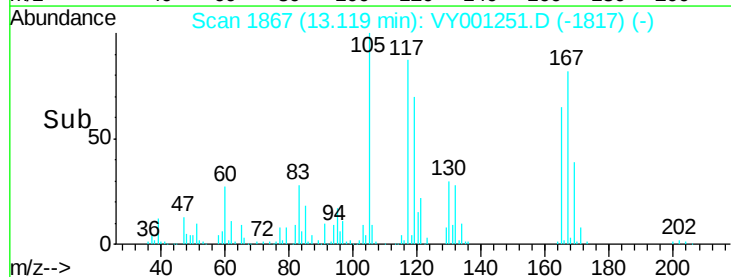
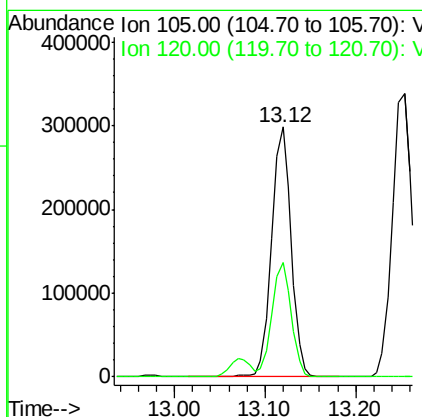
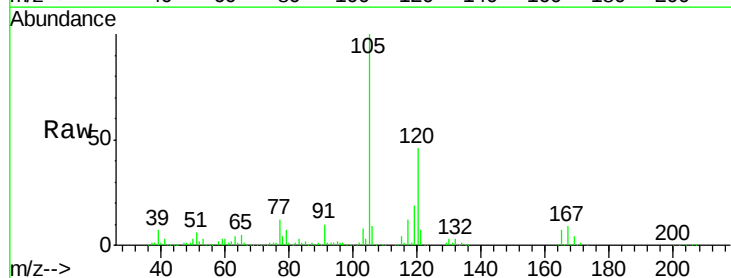
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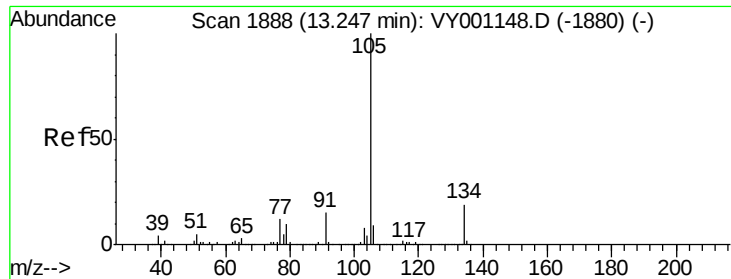
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.437 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.3





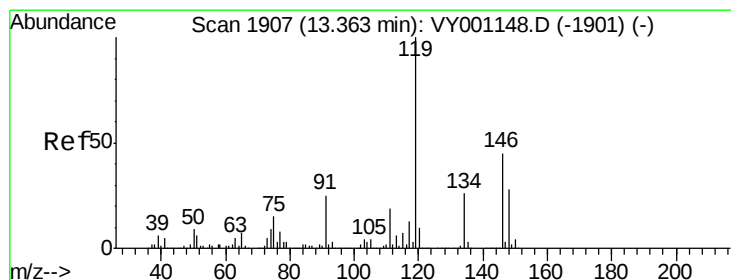
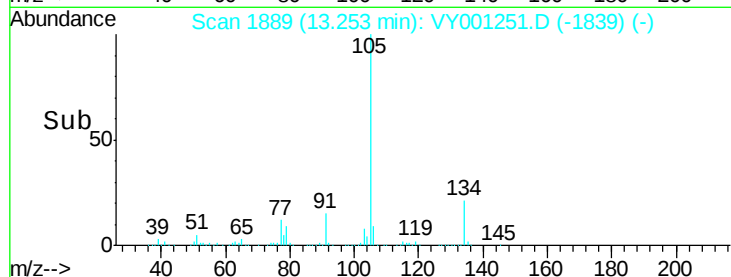
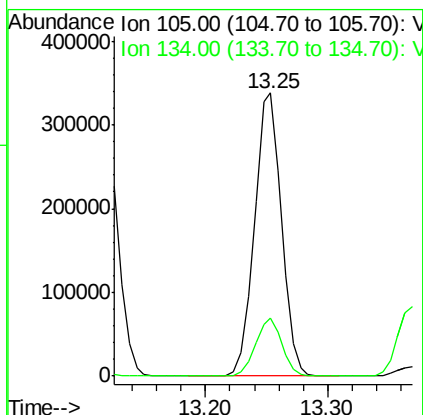
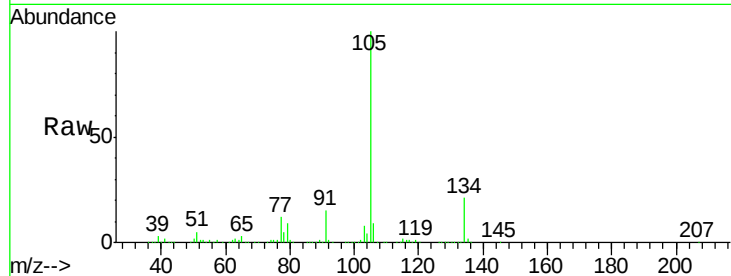
#85
 sec-Butylbenzene
 Concen: 48.452 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.8	29.5

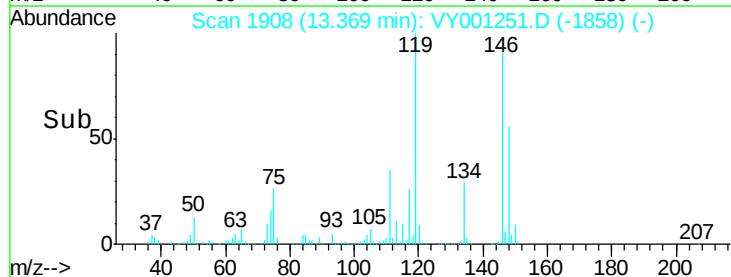
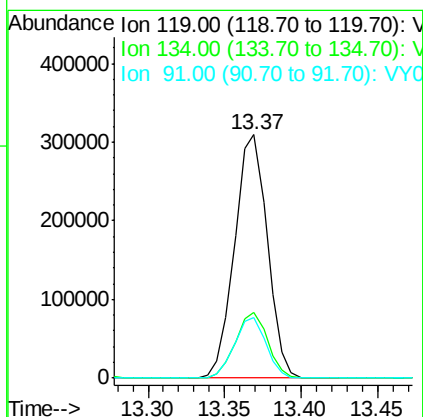
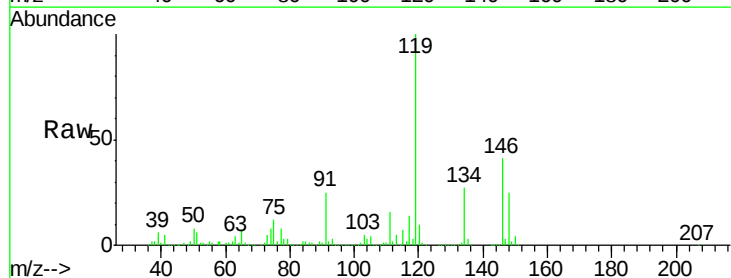
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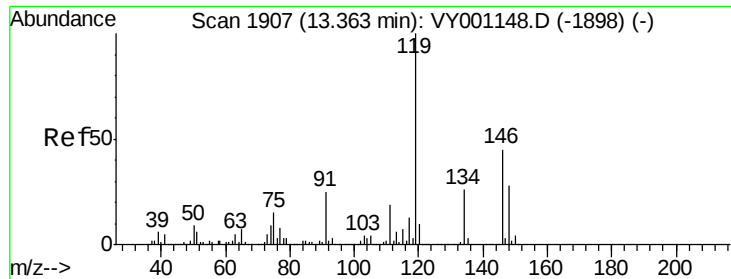
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 1/16/2020 9:37:05 AM



#86
 p-Isopropyltoluene
 Concen: 49.353 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.2
91	24.1	12.4	37.2





#87

1,3-Dichlorobenzene

Concen: 51.153 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Instrument :

MSVOA_Y

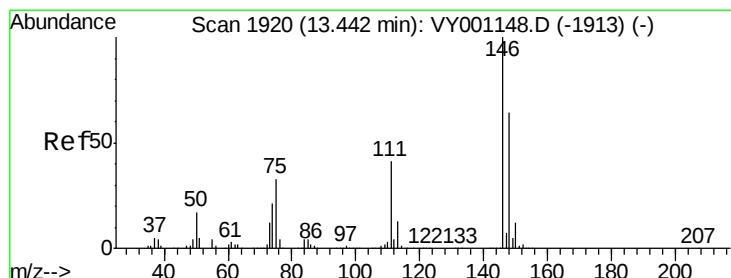
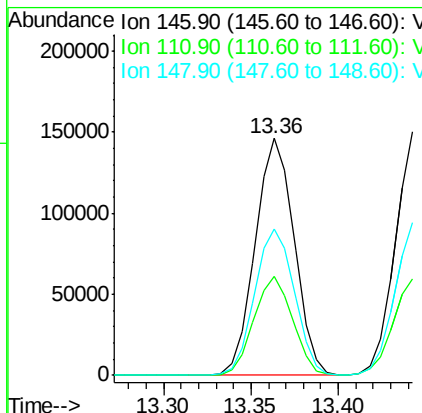
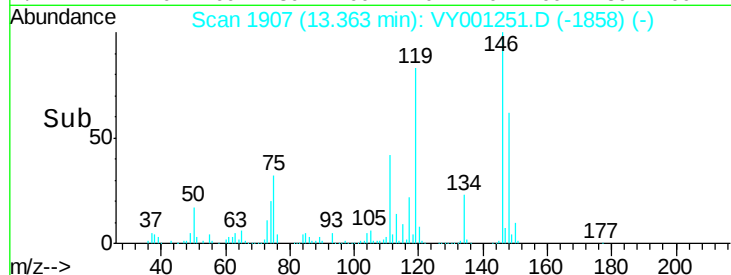
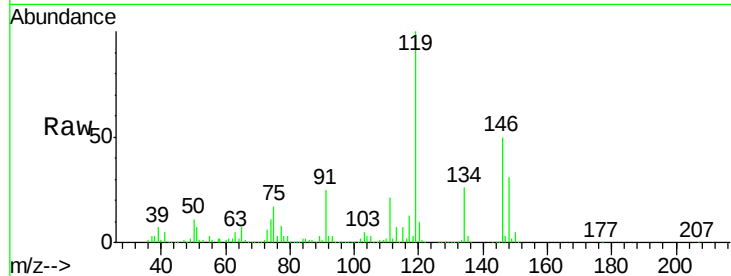
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	226732
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.3	64.0
148	62.7	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 49.696 ug/l

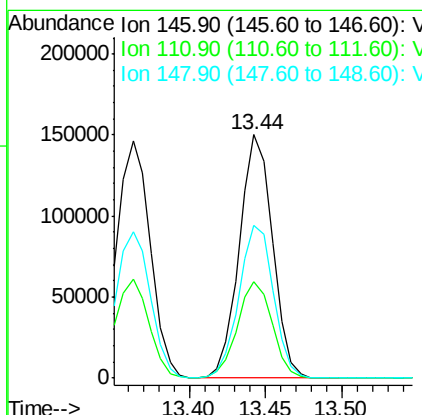
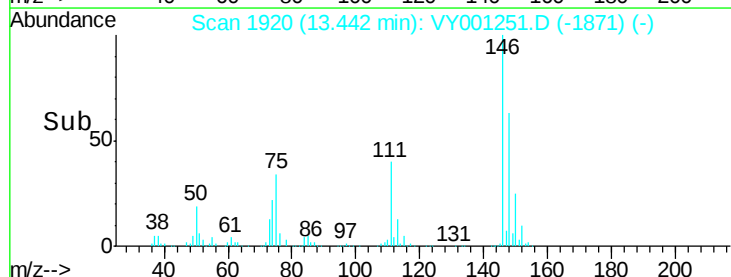
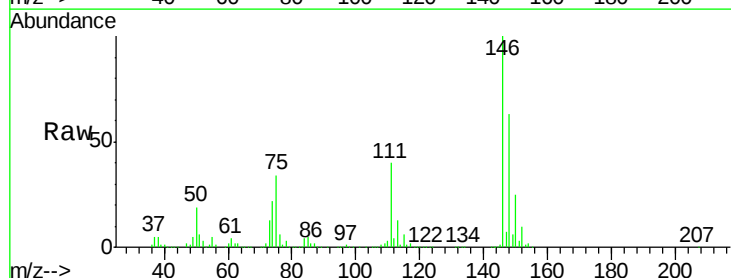
RT: 13.44 min Scan# 1920

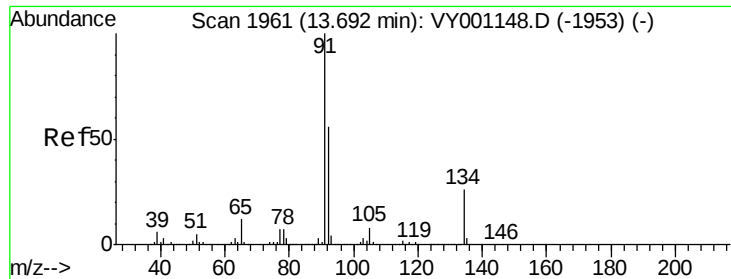
Delta R.T. 0.00 min

Lab File: VY001251.D

Acq: 16 Jan 2020 04:29

Tgt Ion:	146	Resp:	226708
Ion Ratio	Lower	Upper	
146	100		
111	41.1	20.8	62.5
148	65.1	32.0	96.2





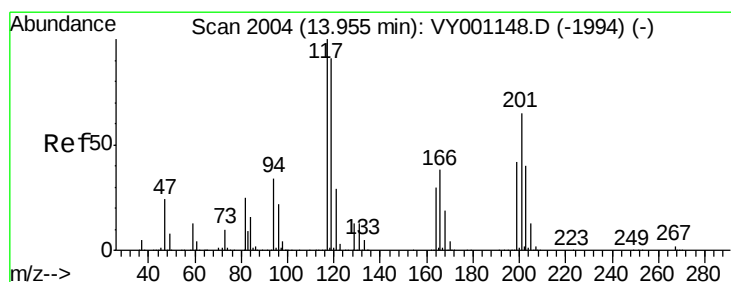
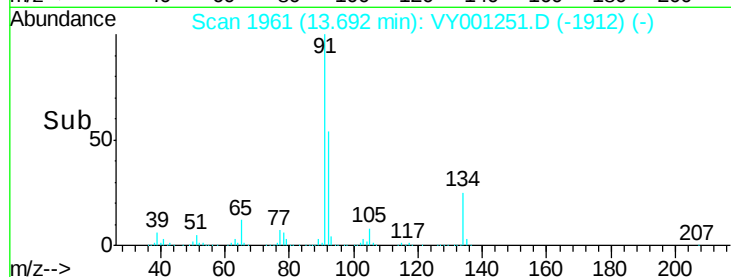
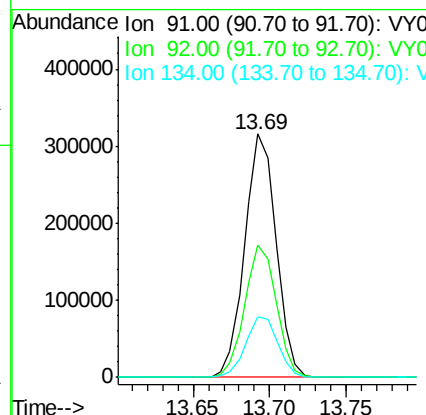
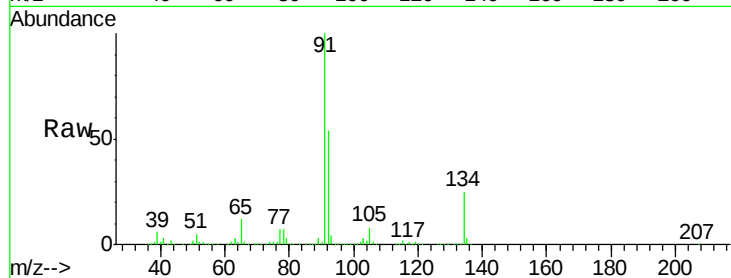
#89
n-Butylbenzene
Concen: 48.057 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.7	83.1
134	25.6	12.9	38.6

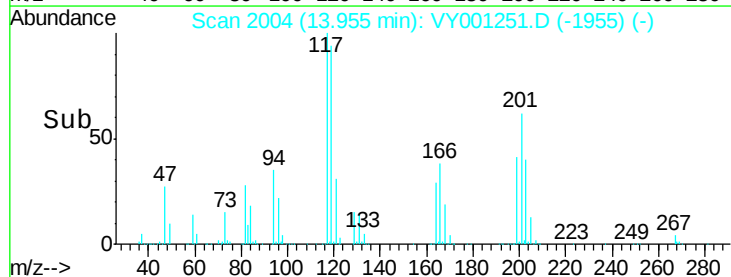
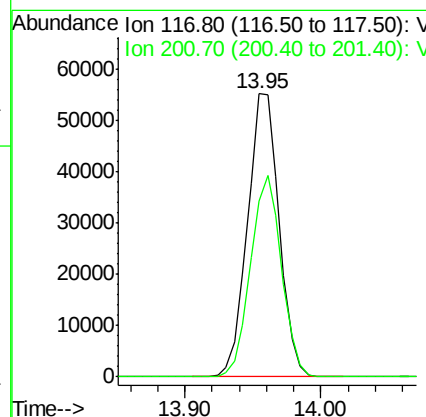
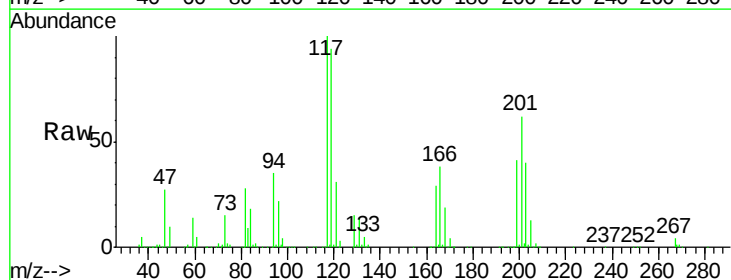
Manual Integrations
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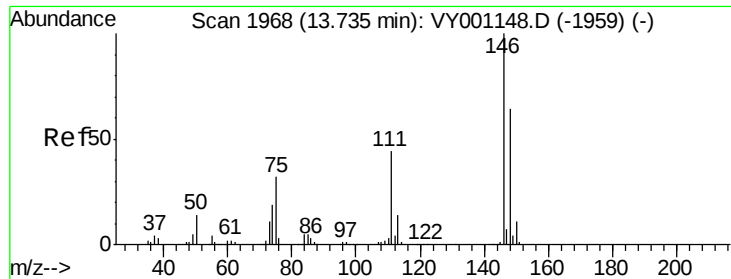
MMDadoda
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#90
Hexachloroethane
Concen: 49.778 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.5	35.4	106.2





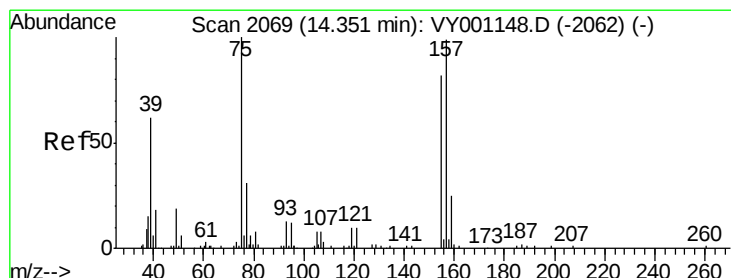
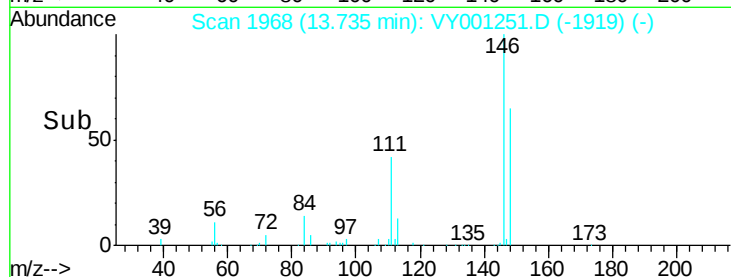
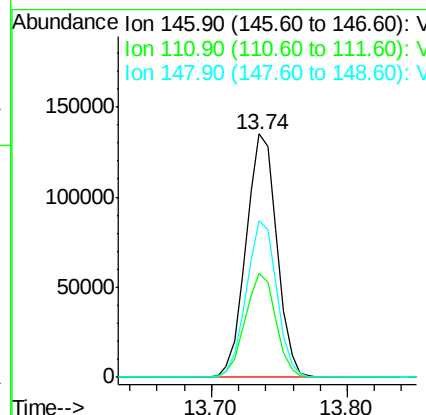
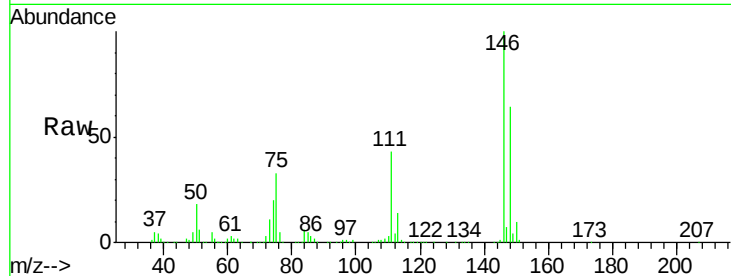
#91
 1,2-Dichlorobenzene
 Concen: 51.871 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	22.0	66.0
148	63.5	32.1	96.3

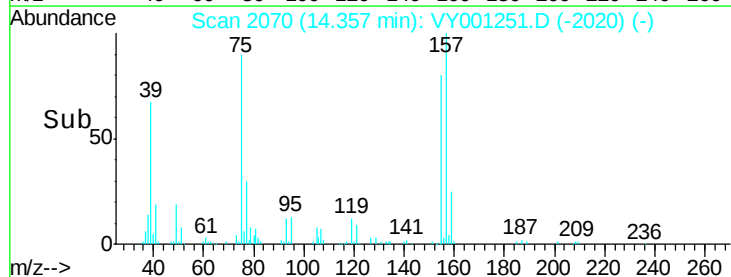
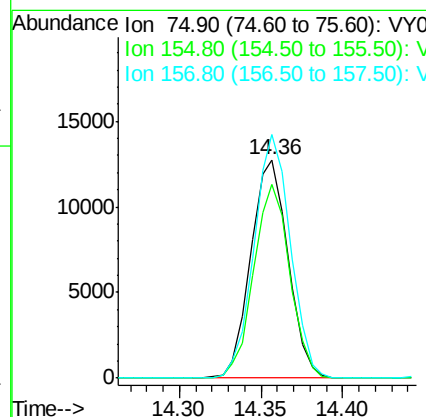
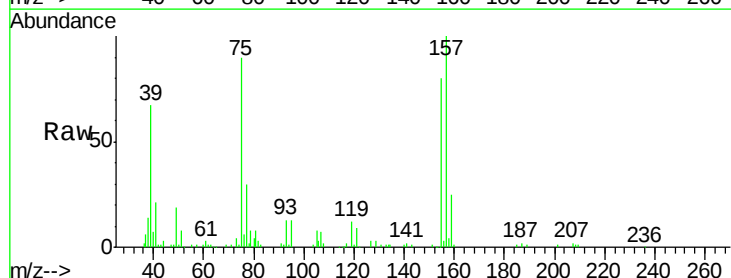
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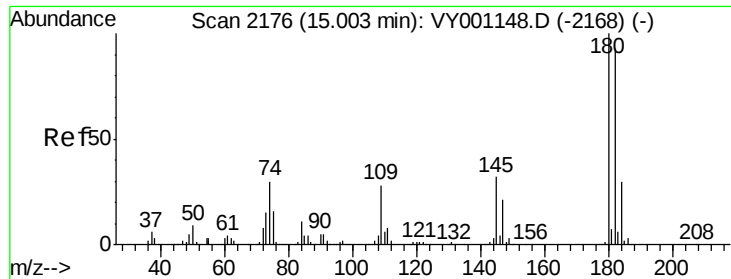
MMDadoda
 1/16/2020 9:37:05 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.456 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	41.2	123.6
157	108.6	52.8	158.4





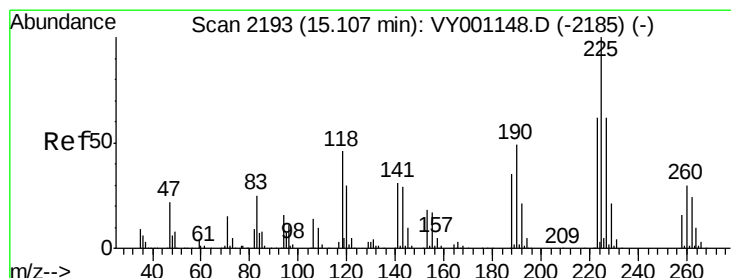
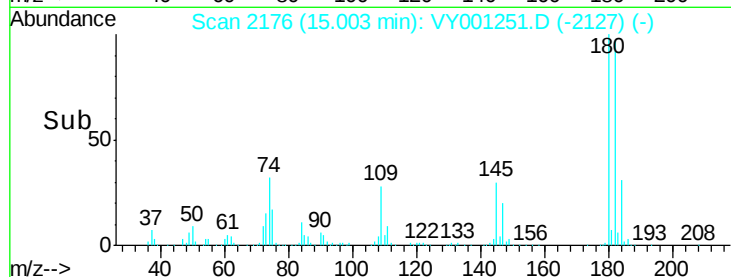
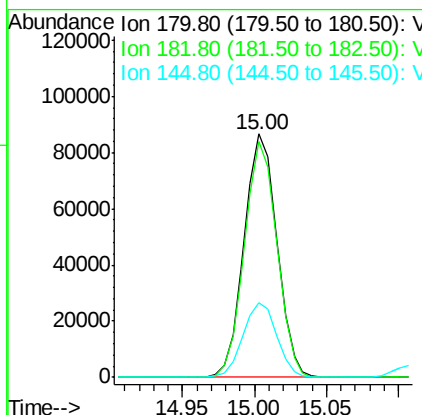
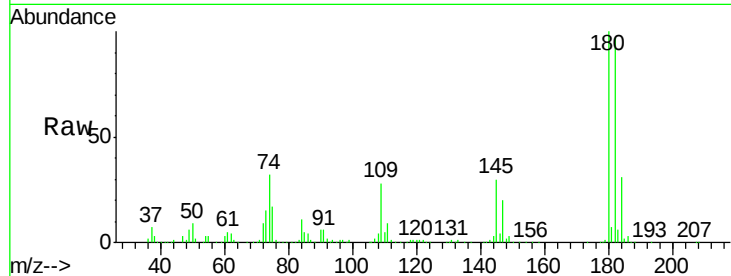
#93
 1,2,4-Trichlorobenzene
 Concen: 50.361 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.9	140.8
145	31.5	16.0	48.0

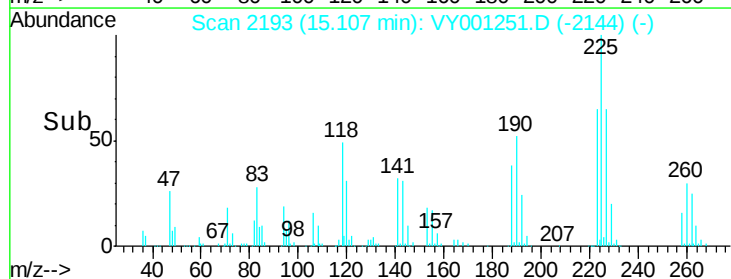
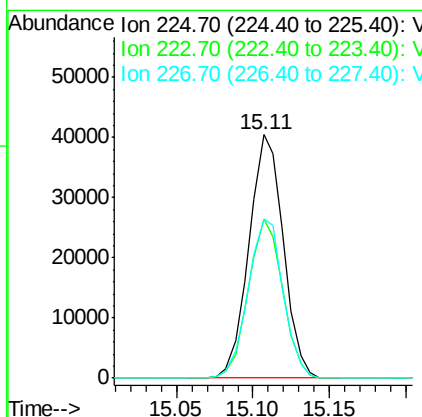
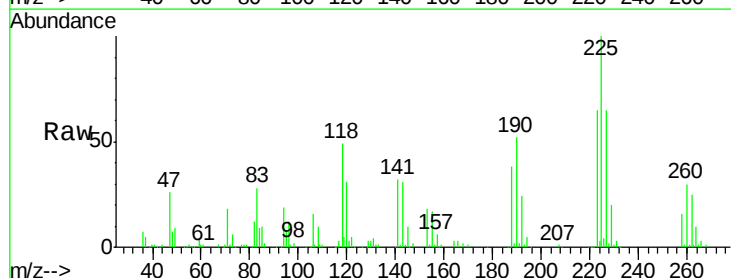
Manual Integrations
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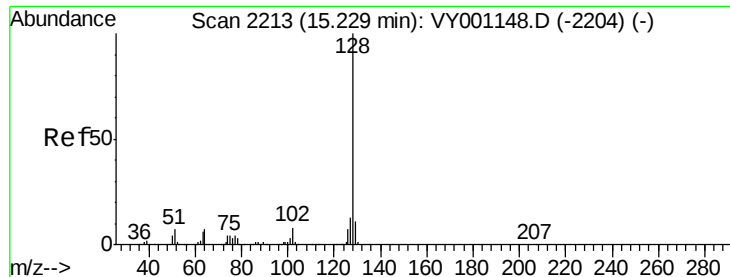
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 1/16/2020 9:37:05 AM



#94
 Hexachlorobutadiene
 Concen: 46.174 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VY001251.D
 Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.3	31.1	93.3
227	66.7	31.3	93.9





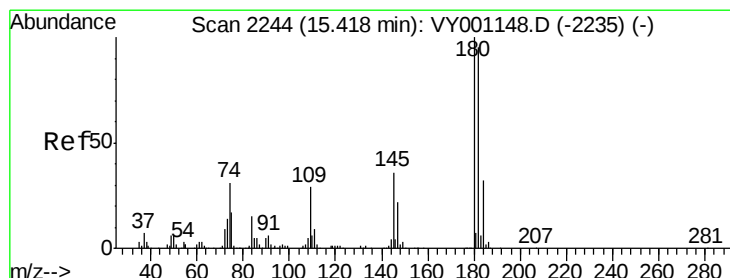
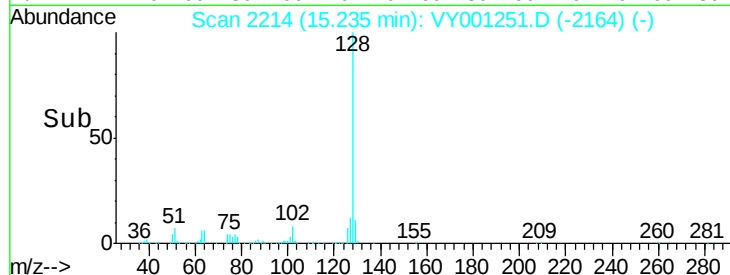
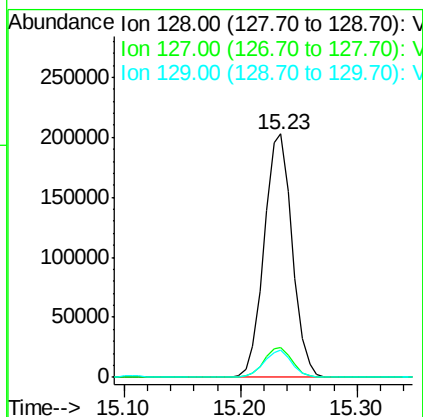
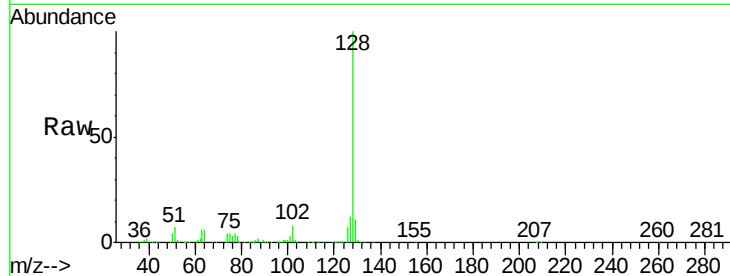
#95
Naphthalene
Concen: 53.710 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	11.3	8.5	12.7

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.741 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. 0.00 min
Lab File: VY001251.D
Acq: 16 Jan 2020 04:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	34.1	17.1	51.3

