

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
 Data File : VY001206.D
 Acq On : 14 Jan 2020 16:12
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/15/2020 9:30:30 AM

Quant Time: Jan 15 02:07:50 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	192394	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	338635	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	305157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	148906	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.15	65	99000	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	
35) Dibromofluoromethane	7.73	113	92182	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.18	98	374409	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.48	95	145078	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.90	85	72402	49.001	ug/l	100
3) Chloromethane	2.12	50	108782	51.076	ug/l	99
4) Vinyl Chloride	2.26	62	114569	53.396	ug/l	100
5) Bromomethane	2.65	94	77435	67.187	ug/l	95
6) Chloroethane	2.80	64	72911	58.818	ug/l	100
7) Trichlorofluoromethane	3.13	101	140929	47.187	ug/l	97
8) Diethyl Ether	3.54	74	59960	51.667	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	91712	47.706	ug/l	98
10) Methyl Iodide	4.10	142	130179	49.472	ug/l	99
11) Tert butyl alcohol	4.96	59	56509	276.397	ug/l	99
12) 1,1-Dichloroethene	3.88	96	97184	49.412	ug/l	98
13) Acrolein	3.74	56	45310	246.176	ug/l	99
14) Allyl chloride	4.49	41	171121	51.550	ug/l	99
15) Acrylonitrile	5.18	53	157759	271.810	ug/l	99
16) Acetone	3.96	43	136037	288.263	ug/l	100
17) Carbon Disulfide	4.20	76	317368	49.856	ug/l	99
18) Methyl Acetate	4.49	43	81565	52.276	ug/l	97
19) Methyl tert-butyl Ether	5.23	73	282370	51.902	ug/l	99
20) Methylene Chloride	4.72	84	116817	53.504	ug/l	99
21) trans-1,2-Dichloroethene	5.23	96	113423	50.859	ug/l	96
22) Diisopropyl ether	6.13	45	355320	52.407	ug/l	98
23) Vinyl Acetate	6.07	43	1180293	272.199	ug/l	100
24) 1,1-Dichloroethane	6.03	63	191437	51.575	ug/l	98
25) 2-Butanone	7.00	43	211683	288.211	ug/l	99
26) 2,2-Dichloropropane	6.99	77	165961	48.622	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	128239	52.477	ug/l	99
28) Bromochloromethane	7.35	49	83595	54.845	ug/l	100
29) Tetrahydrofuran	7.36	42	137877	273.927	ug/l	98
30) Chloroform	7.52	83	187630	51.590	ug/l	100
31) Cyclohexane	7.79	56	179912	45.779	ug/l	99
32) 1,1,1-Trichloroethane	7.71	97	158628	49.157	ug/l	99
36) 1,1-Dichloropropene	7.92	75	148442	48.095	ug/l	99
37) Ethyl Acetate	7.08	43	92624	51.135	ug/l	98
38) Carbon Tetrachloride	7.91	117	136574	48.283	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	196348	46.924	ug/l	99
40) Benzene	8.17	78	461487	51.222	ug/l	99
41) Methacrylonitrile	7.33	41	43661m	51.314	ug/l	
42) 1,2-Dichloroethane	8.25	62	128063	50.763	ug/l	99
43) Isopropyl Acetate	8.28	43	181663	52.448	ug/l	98
44) Trichloroethene	8.94	130	118577	50.509	ug/l	98
45) 1,2-Dichloropropane	9.22	63	115252	51.744	ug/l	95
46) Dibromomethane	9.31	93	63425	52.190	ug/l	100
47) Bromodichloromethane	9.50	83	151154	51.036	ug/l	99
48) Methyl methacrylate	9.30	41	82996	51.780	ug/l	98
49) 1,4-Dioxane	9.30	88	18297	1236.292	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	463520	263.737	ug/l	100
52) Toluene	10.24	92	294175	51.194	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	171174	51.649	ug/l	99
54) cis-1,3-Dichloropropene	9.93	75	192433	51.499	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	92725	51.467	ug/l	99
56) Ethyl methacrylate	10.51	69	142246	51.615	ug/l	98
57) 1,3-Dichloropropane	10.79	76	162653	52.589	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	215586	222.417	ug/l	100
59) 2-Hexanone	10.83	43	336121	272.887	ug/l	99
60) Dibromochloromethane	10.99	129	106821	51.496	ug/l	99
61) 1,2-Dibromoethane	11.09	107	90791	51.610	ug/l	100
64) Tetrachloroethene	10.72	164	93866	47.717	ug/l	99
65) Chlorobenzene	11.52	112	310833	50.977	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	108192	51.482	ug/l	99
67) Ethyl Benzene	11.59	91	563371	50.507	ug/l	99
68) m/p-Xylenes	11.70	106	431286	102.498	ug/l	99
69) o-Xylene	12.03	106	206038	51.072	ug/l	99
70) Styrene	12.04	104	365427	51.624	ug/l	99
71) Bromoform	12.20	173	66689	51.457	ug/l	99
73) Isopropylbenzene	12.33	105	543780	48.576	ug/l	100
74) N-amyl acetate	12.14	43	179388	51.348	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.58	83	118340	50.246	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	95172m	59.704	ug/l	
77) Bromobenzene	12.61	156	124115	50.177	ug/l	97
78) n-propylbenzene	12.67	91	662737	49.219	ug/l	99
79) 2-Chlorotoluene	12.75	91	383219	49.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	466990	49.997	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.38	75	45603	48.513	ug/l #	99
82) 4-Chlorotoluene	12.85	91	410411	49.713	ug/l	99
83) tert-Butylbenzene	13.07	119	382603	48.750	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	469949	50.665	ug/l	100
85) sec-Butylbenzene	13.25	105	557496	49.377	ug/l	100
86) p-Isopropyltoluene	13.37	119	495013	50.496	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	242339	51.805	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	244434	50.770	ug/l	99
89) n-Butylbenzene	13.69	91	498074	50.446	ug/l	99
90) Hexachloroethane	13.95	117	94687	49.433	ug/l	99
91) 1,2-Dichlorobenzene	13.73	146	223363	51.376	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20686	48.690	ug/l	95

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ALS Vial : 18 Sample Multiplier: 1

Instrument :
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VSTDCCC050EC

Manual Integrations
APPROVED

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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)
93) 1,2,4-Trichlorobenzene	15.00	180	145821	50.907	ug/l	100
94) Hexachlorobutadiene	15.11	225	70544	48.884	ug/l	100
95) Naphthalene	15.23	128	338413	50.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	126681	50.180	ug/l	100

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

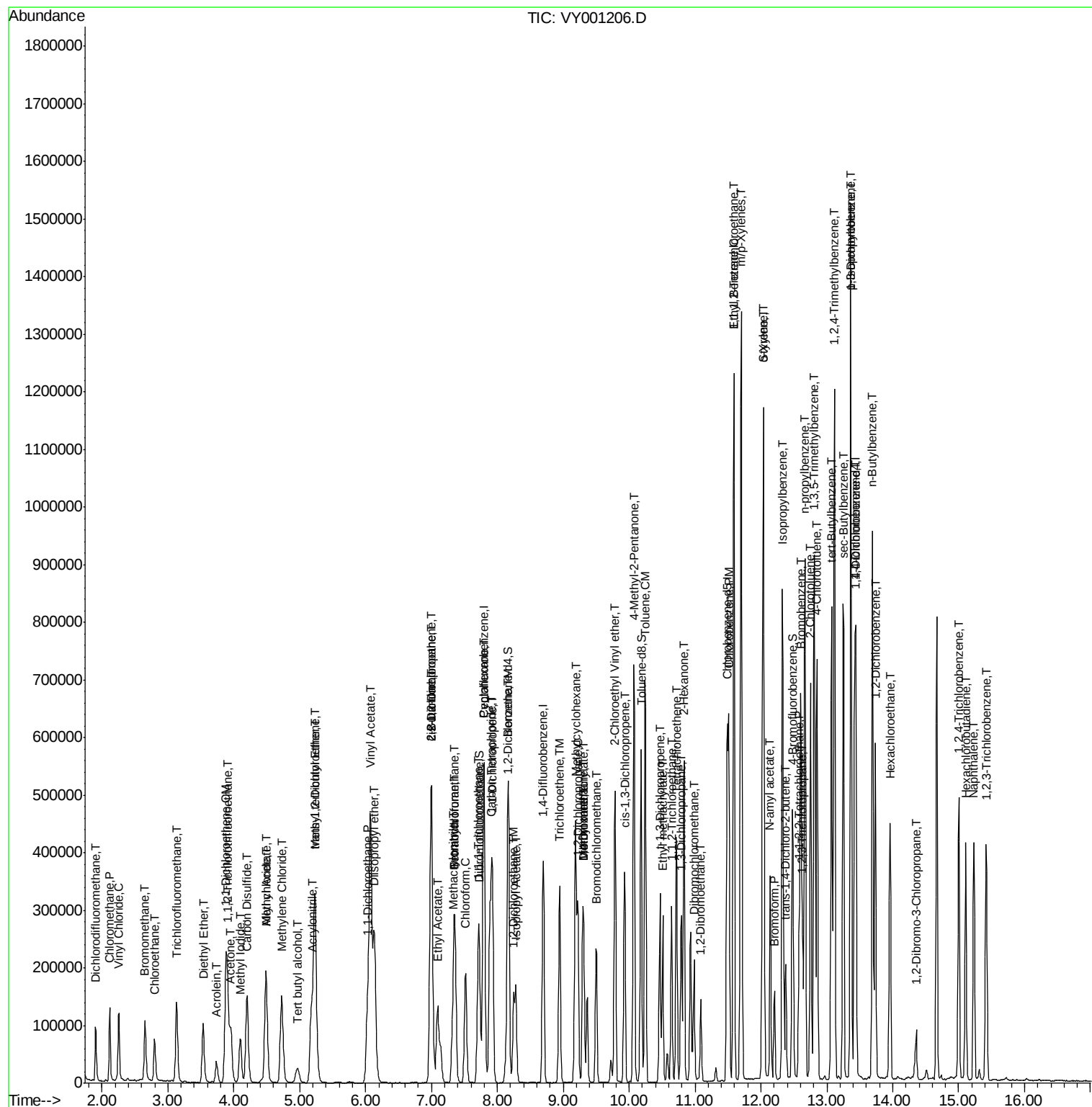
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011420\
Data File : VY001206.D
Acq On : 14 Jan 2020 16:12
Operator : SY/MD
Sample : VSTDCCC050
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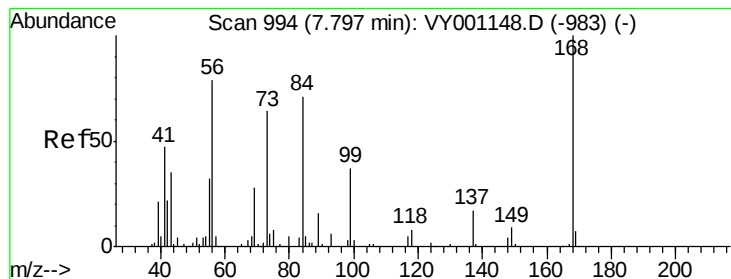
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 192394

Ion Ratio Lower Upper

168 100

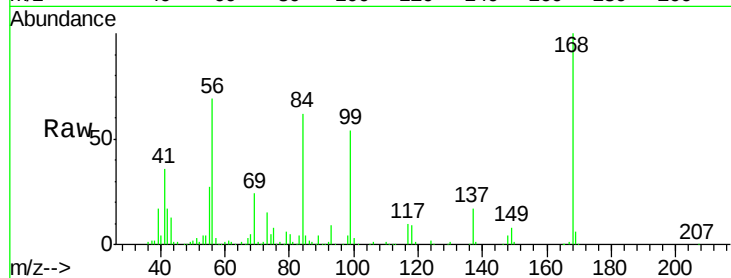
99 54.3 47.9 71.9

Manual Integrations

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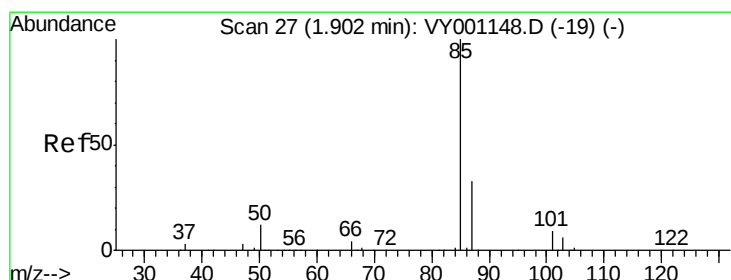
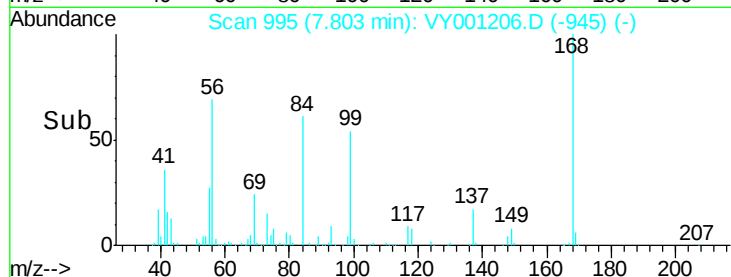


Abundance Ion 167.90 (167.60 to 168.60): VY001148.D (-983) (-)

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

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.001 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001206.D

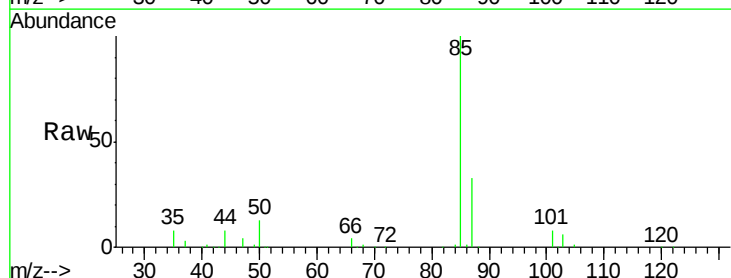
Acq: 14 Jan 2020 16:12

Tgt Ion: 85 Resp: 72402

Ion Ratio Lower Upper

85 100

87 32.8 16.4 49.2

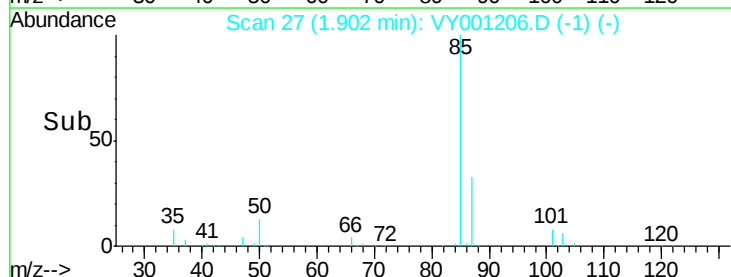


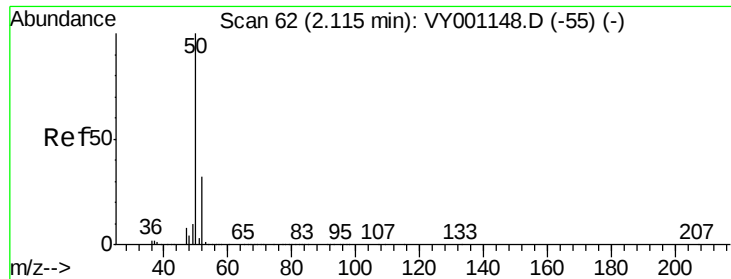
Abundance Ion 84.90 (84.60 to 85.60): VY001148.D (-19) (-)

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

1.90

Time-->





#3

Chloromethane

Concen: 51.076 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 108782

Ion Ratio Lower Upper

50 100

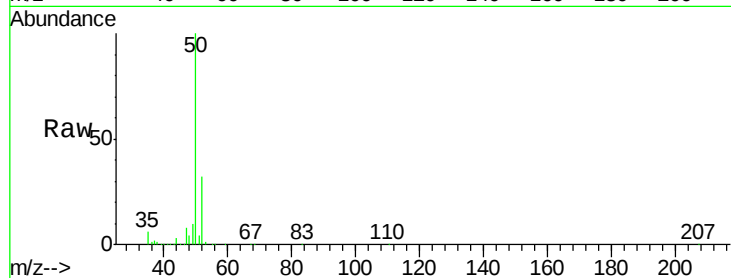
52 31.9 25.8 38.6

Manual Integrations

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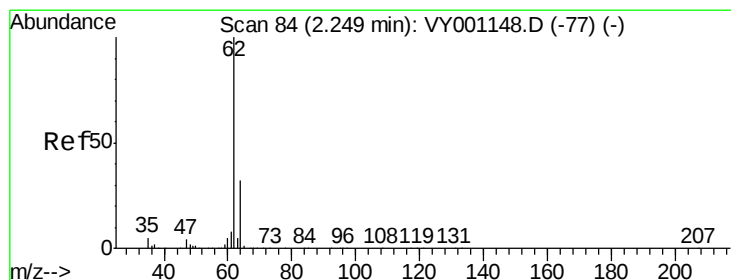
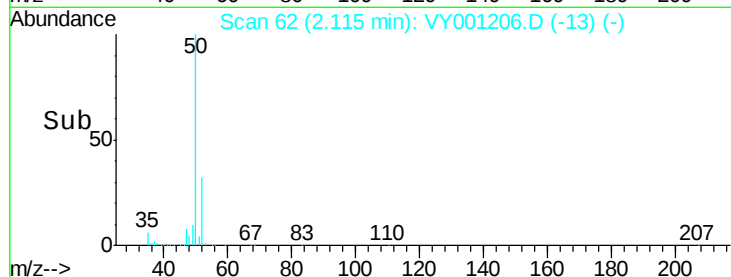
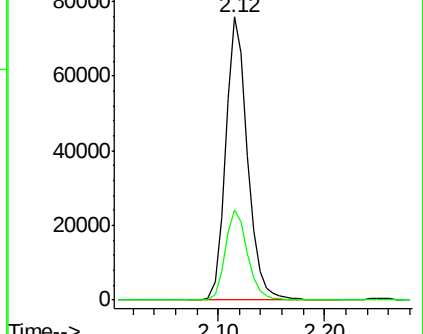
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 53.396 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001206.D

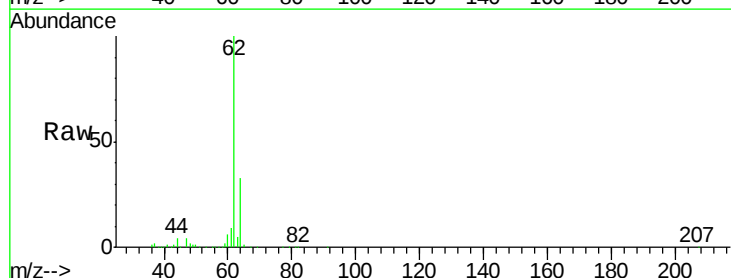
Acq: 14 Jan 2020 16:12

Tgt Ion: 62 Resp: 114569

Ion Ratio Lower Upper

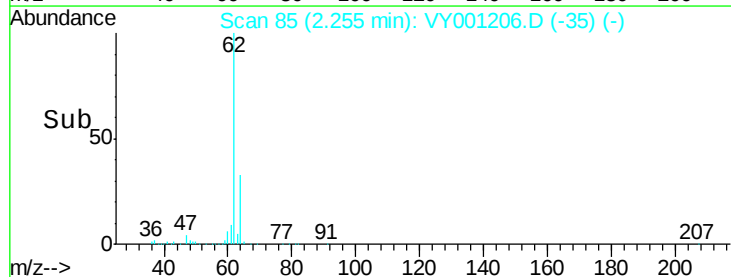
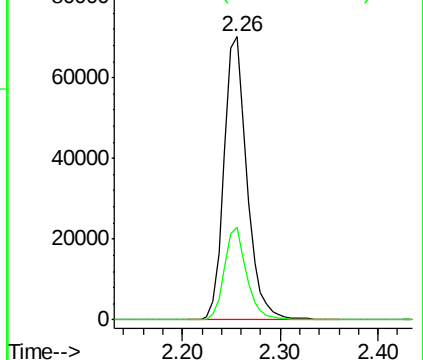
62 100

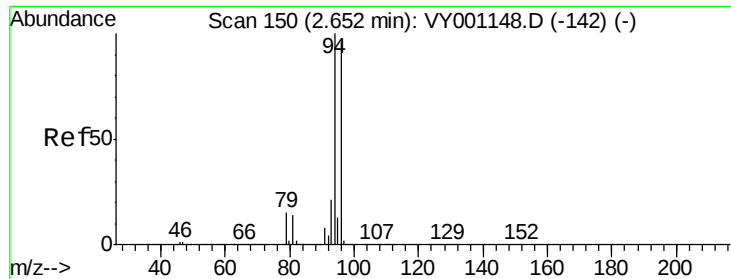
64 32.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 67.187 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 77435

Ion Ratio Lower Upper

94 100

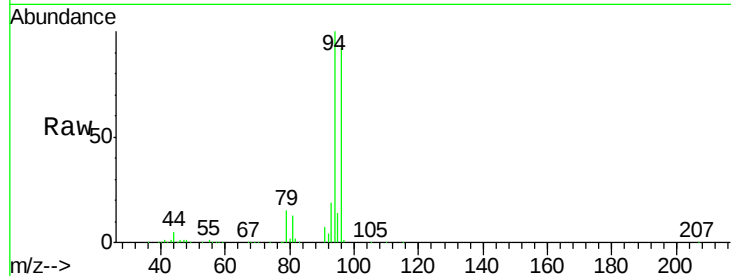
96 91.7 77.3 115.9

Manual Integrations

APPROVED

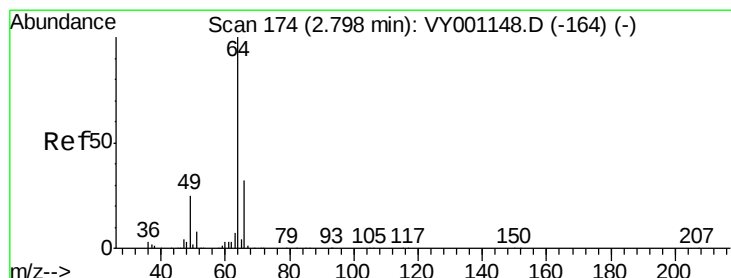
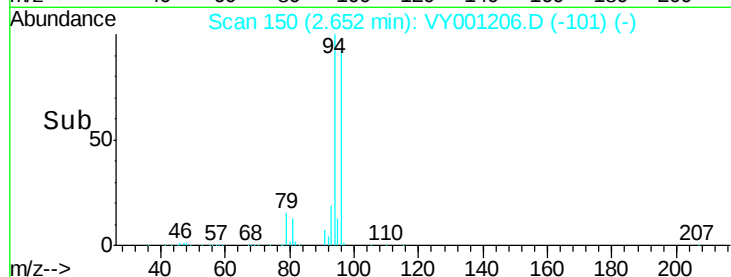
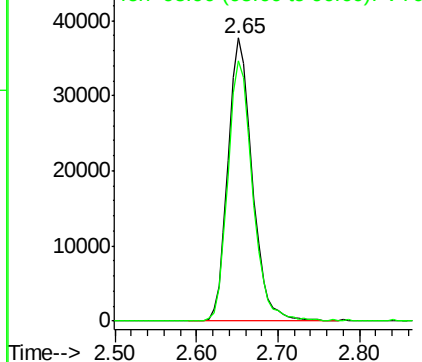
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 58.818 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001206.D

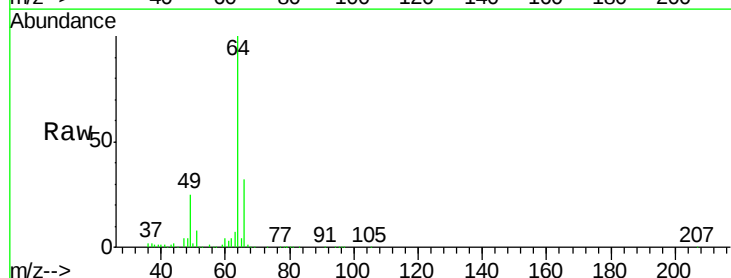
Acq: 14 Jan 2020 16:12

Tgt Ion: 64 Resp: 72911

Ion Ratio Lower Upper

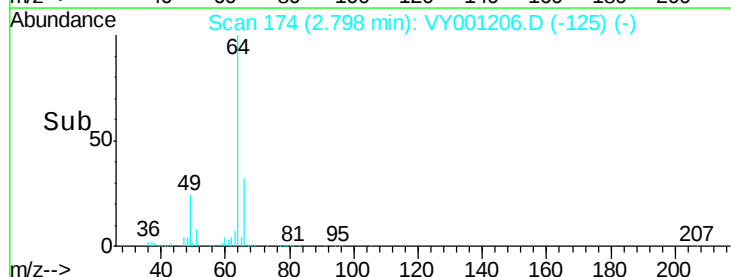
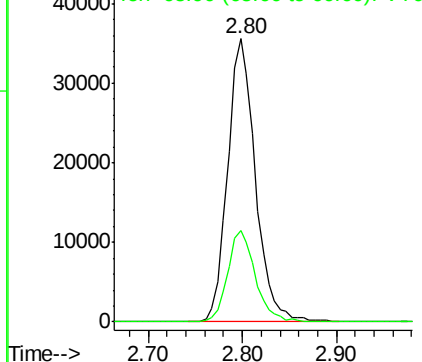
64 100

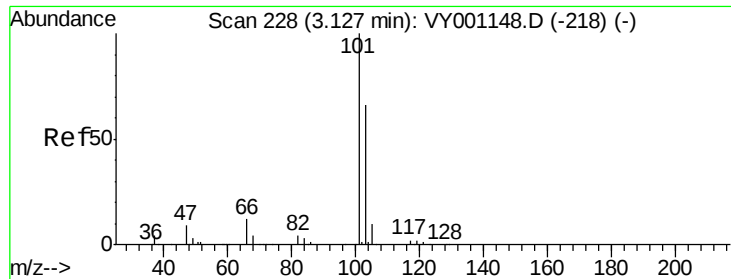
66 32.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

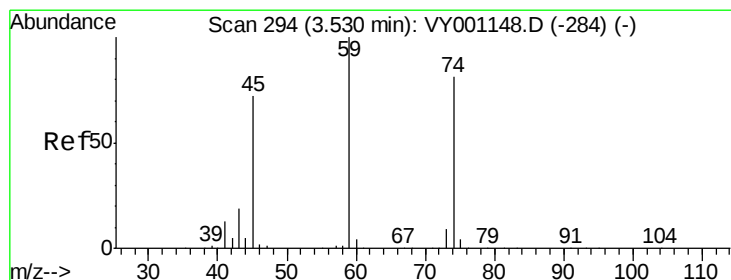
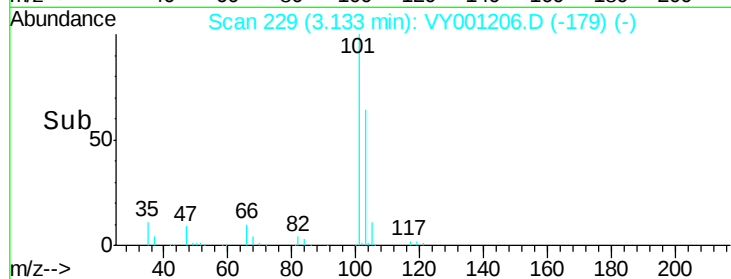
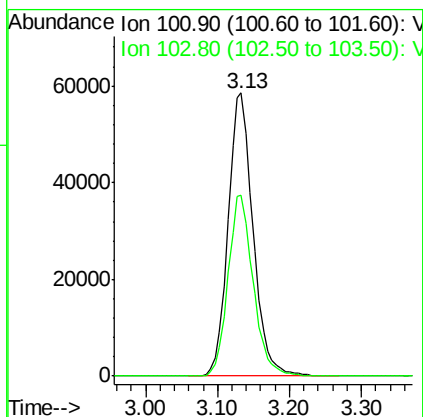
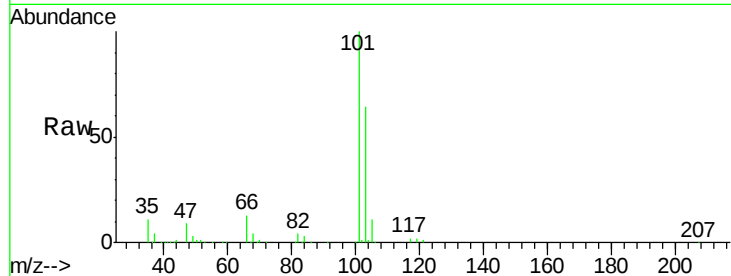
Trichlorofluoromethane
Concen: 47.187 ug/l
RT: 3.13 min Scan# 229
Delta R.T. 0.01 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.6	79.0

Manual Integrations
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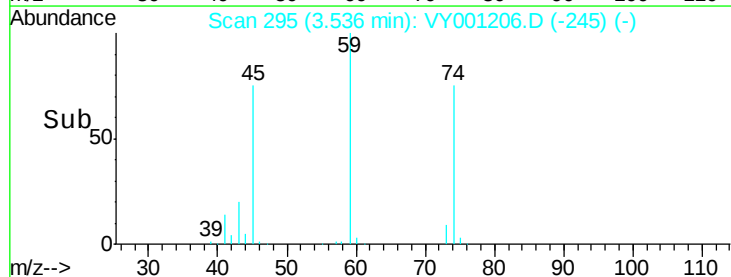
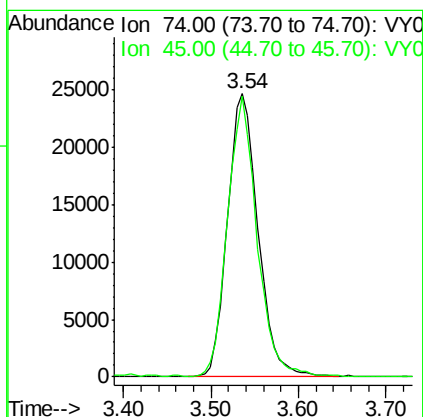
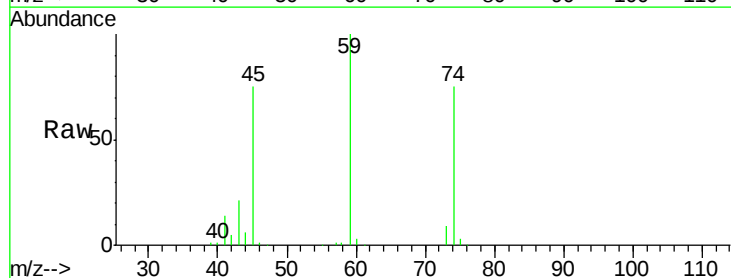
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1/15/2020 9:30:30 AM

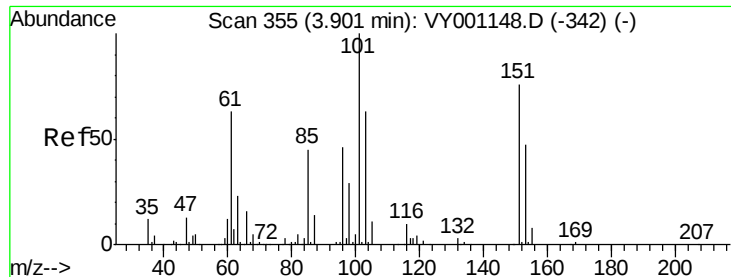


#8

Diethyl Ether
Concen: 51.667 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.706 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

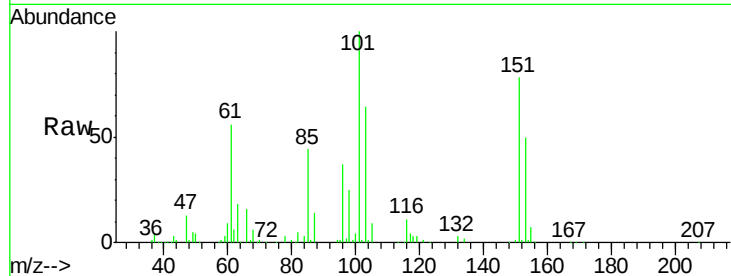
ClientSampleId :

VSTDCCC050EC

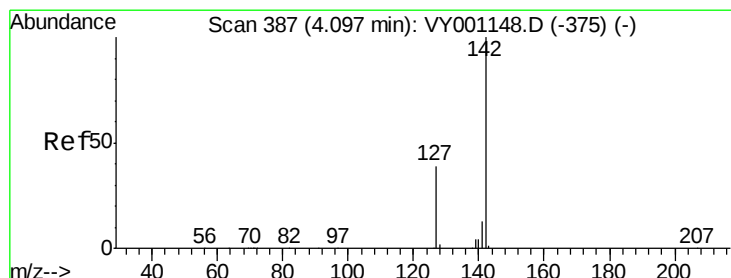
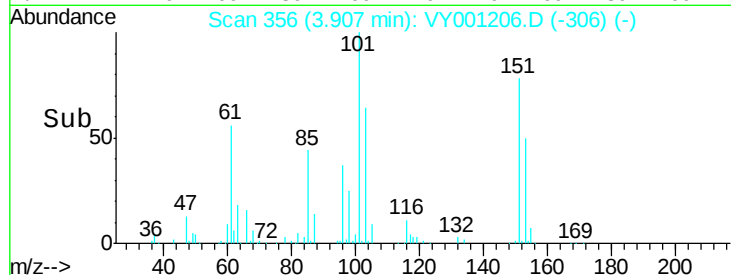
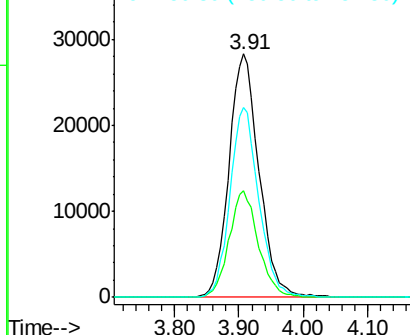
Tot Ion:	101	Resp:	91712
Ion Ratio	Lower	Upper	
101	100		
85	42.8	35.2	52.8
151	75.3	61.4	92.2

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



#10

Methyl Iodide

Concen: 49.472 ug/l

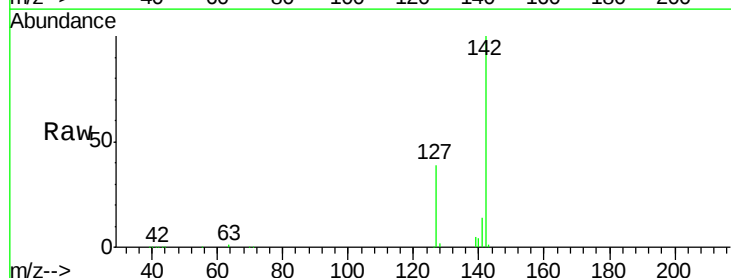
RT: 4.10 min Scan# 388

Delta R.T. 0.01 min

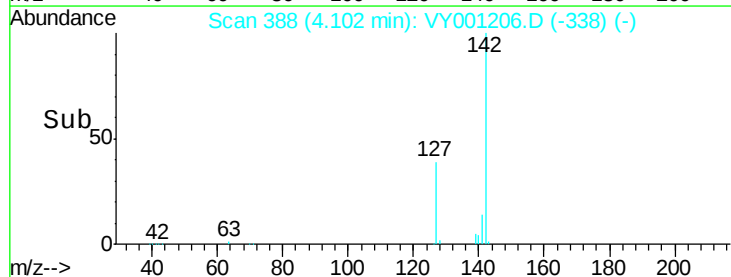
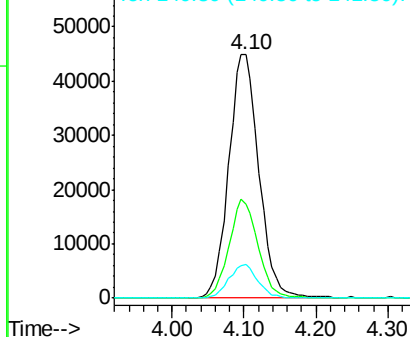
Lab File: VY001206.D

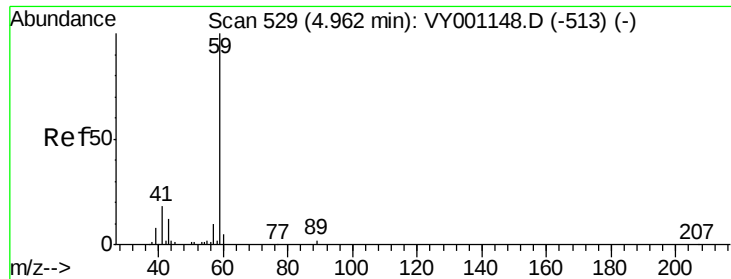
Acq: 14 Jan 2020 16:12

Tgt Ion:	142	Resp:	130179
Ion Ratio	Lower	Upper	
142	100		
127	39.1	30.8	46.2
141	13.3	11.0	16.4



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





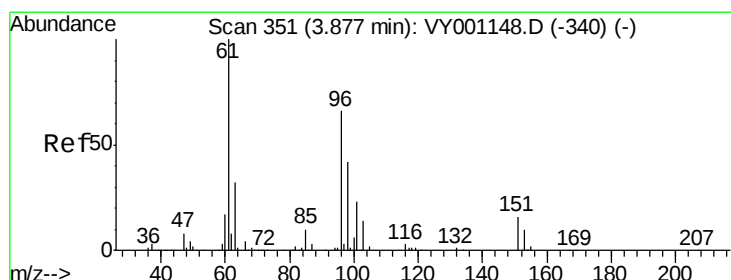
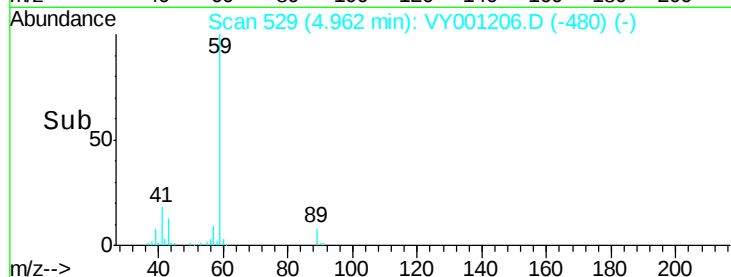
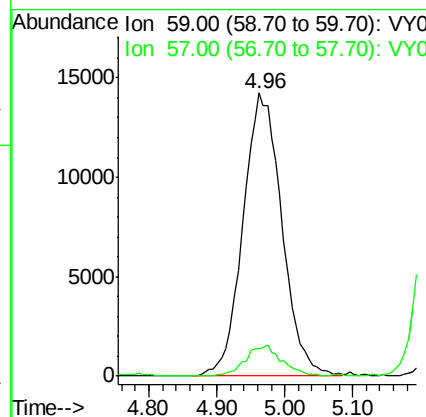
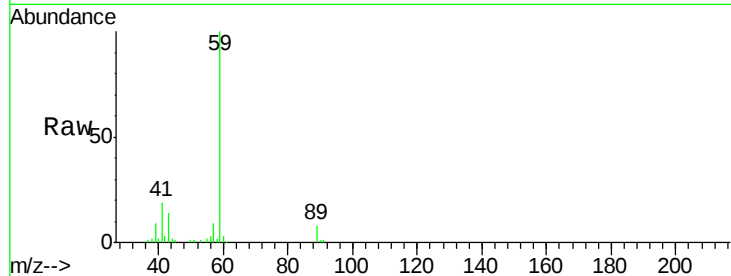
#11
Tert butyl alcohol
Concen: 276.397 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.8	11.8

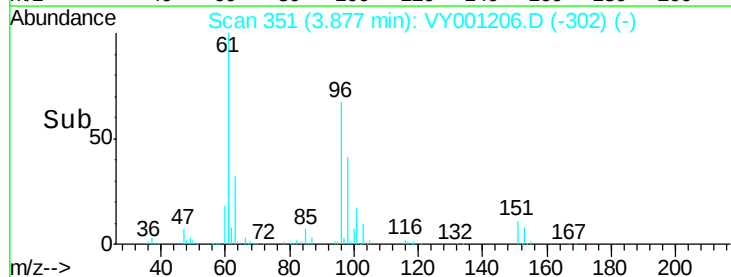
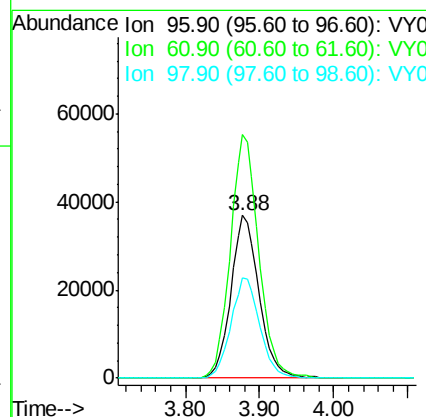
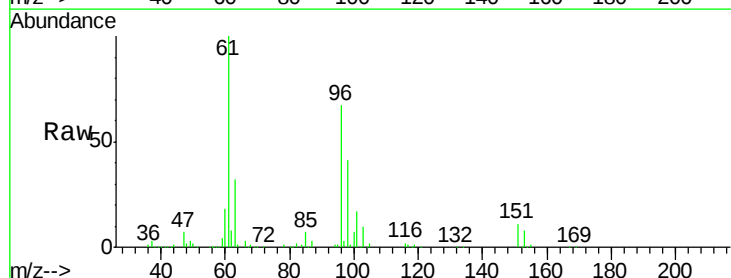
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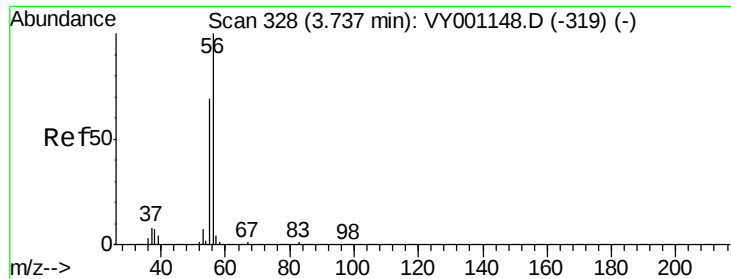
MMDadoda
1/15/2020 9:30:30 AM



#12
1,1-Dichloroethene
Concen: 49.412 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	122.1	183.1
98	61.8	51.0	76.6





#13

Acrolein

Concen: 246.176 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45310

Ion Ratio Lower Upper

56 100

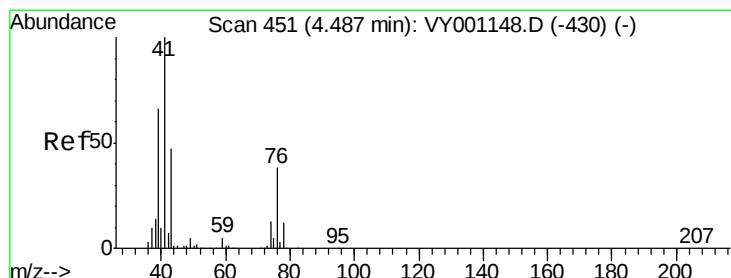
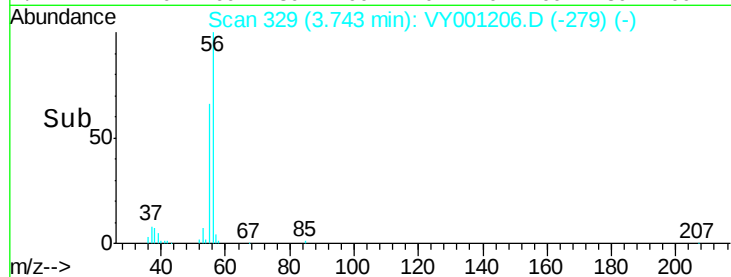
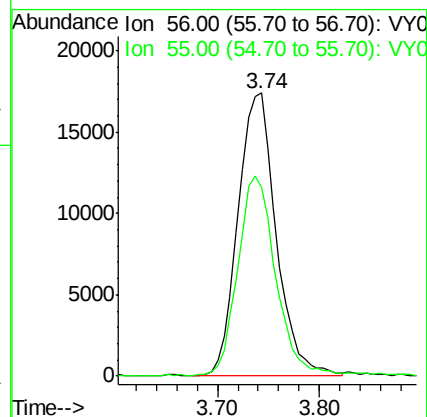
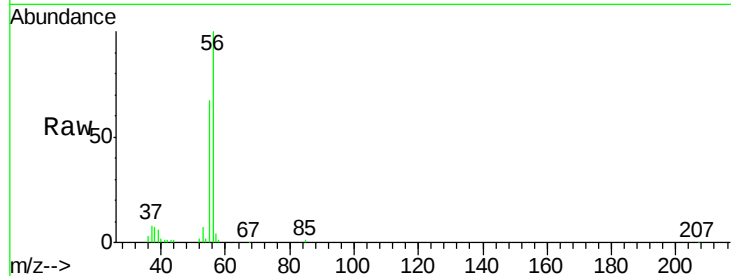
55 70.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 51.550 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

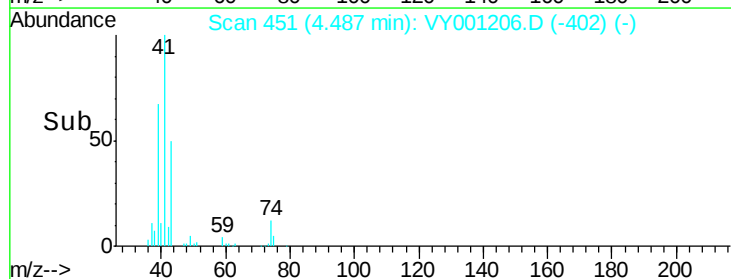
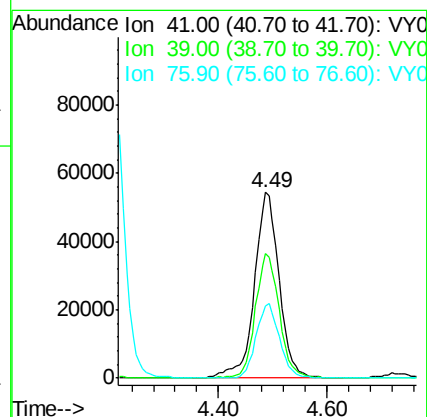
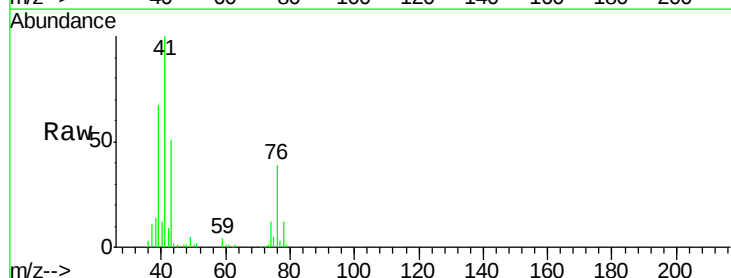
Tgt Ion: 41 Resp: 171121

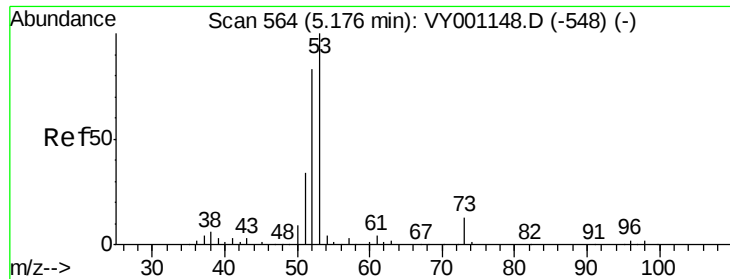
Ion Ratio Lower Upper

41 100

39 65.0 52.6 78.8

76 37.7 30.2 45.2





#15

Acrylonitrile

Concen: 271.810 ug/l

RT: 5.18 min Scan# 565

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

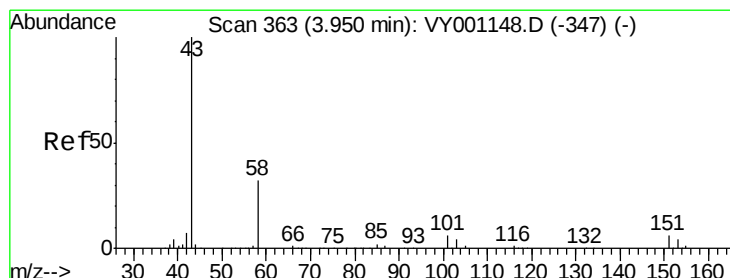
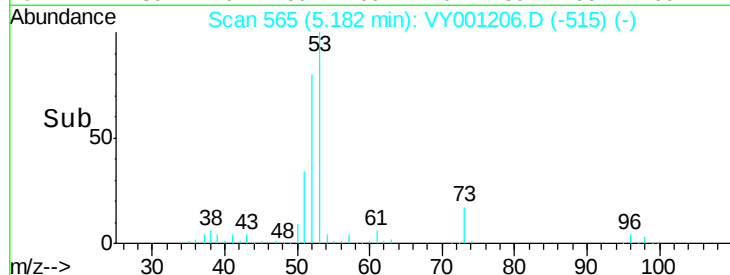
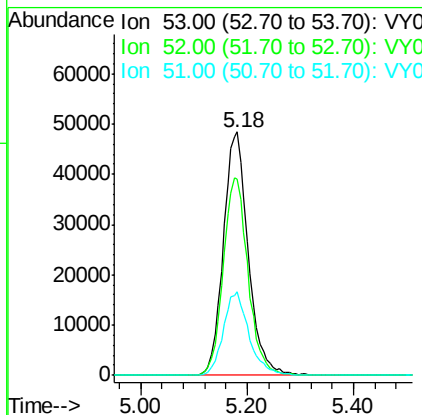
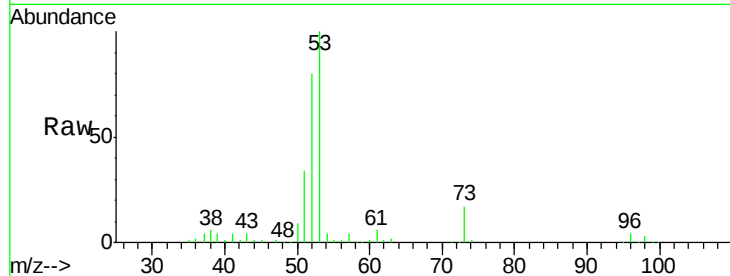
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	157759
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.7	98.5
51	35.3	28.7	43.1

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#16

Acetone

Concen: 288.263 ug/l

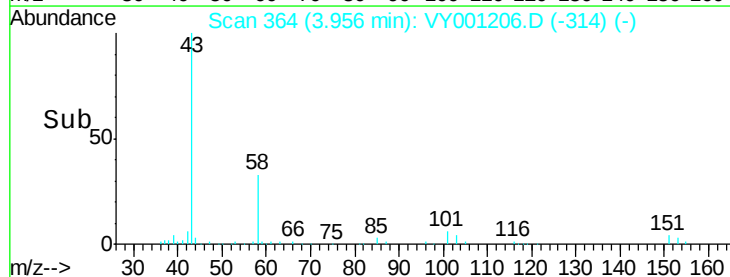
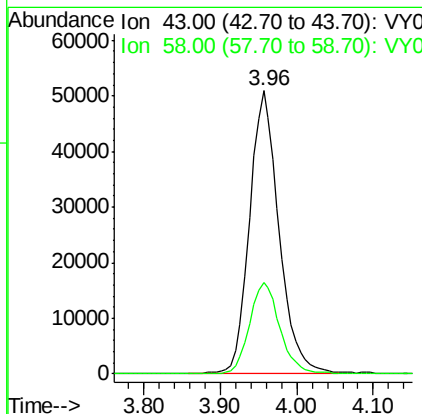
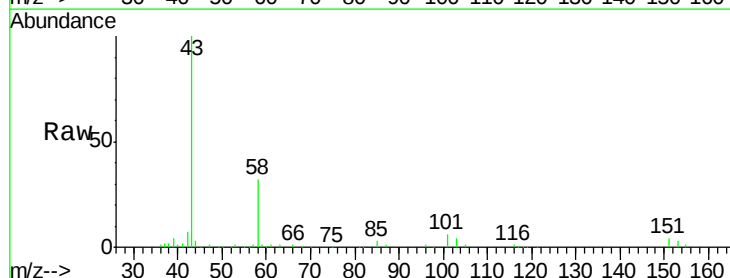
RT: 3.96 min Scan# 364

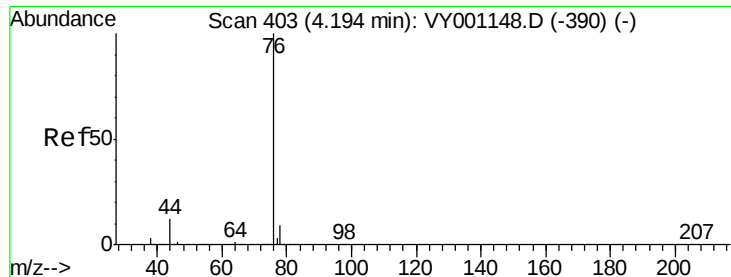
Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Tgt Ion:	43	Resp:	136037
Ion	Ratio	Lower	Upper
43	100		
58	32.5	25.8	38.6





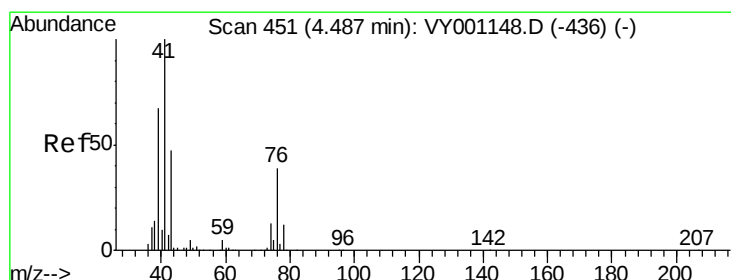
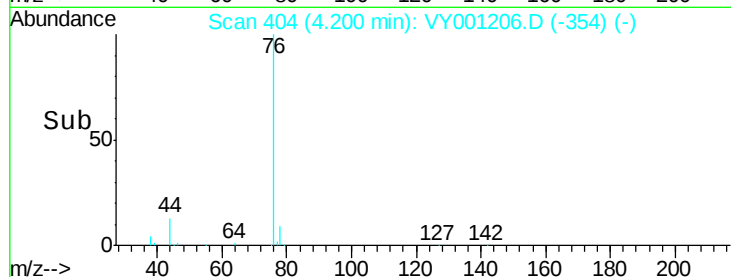
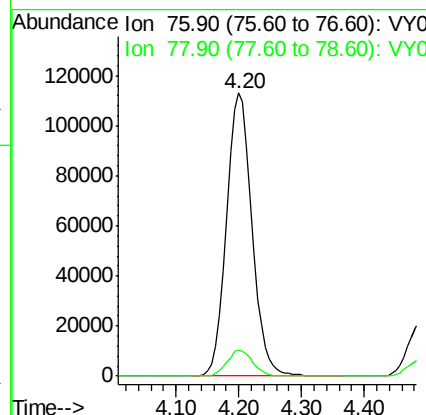
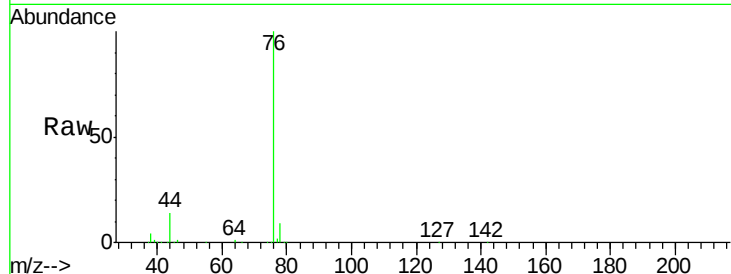
#17
Carbon Disulfide
Concen: 49.856 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

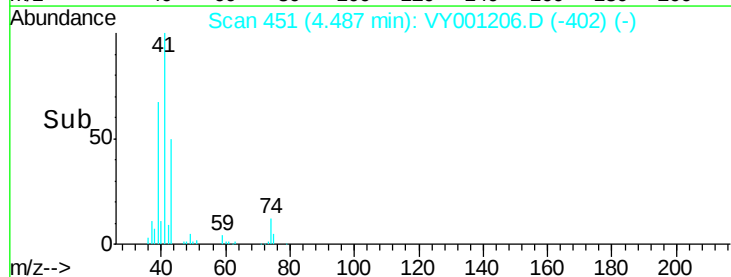
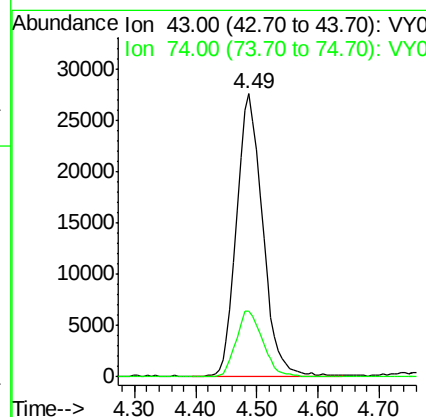
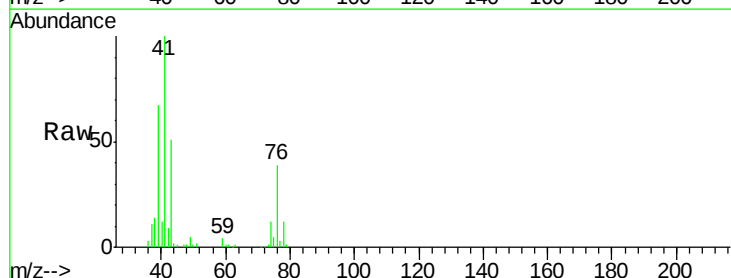
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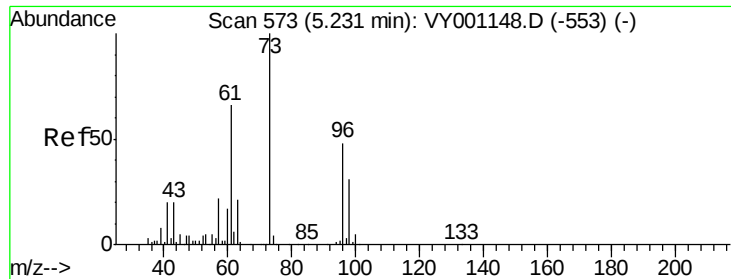
MMDadoda
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#18
Methyl Acetate
Concen: 52.276 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	20.2	30.2





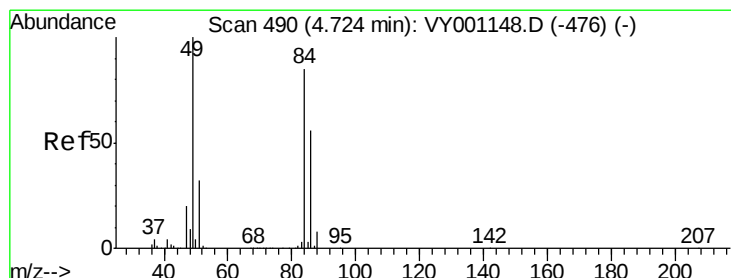
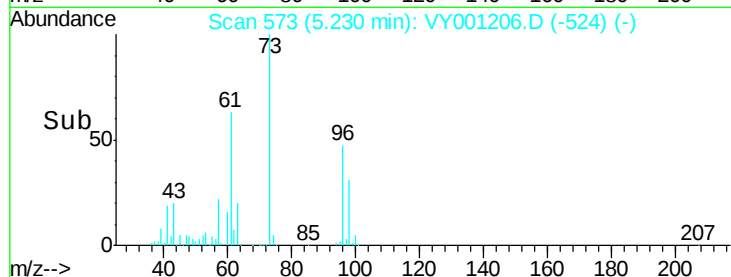
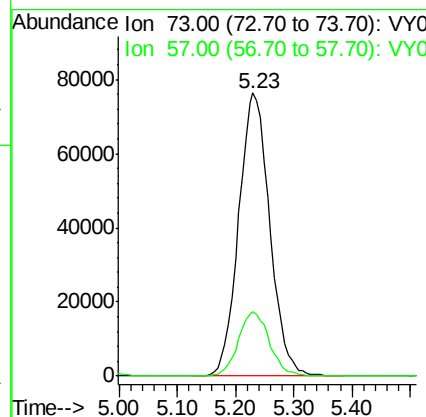
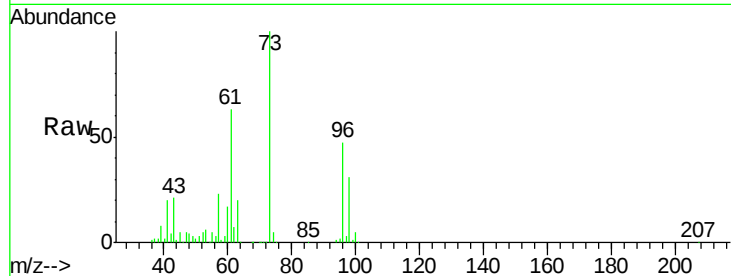
#19
Methvl tert-butvl Ether
Concen: 51.902 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 282370
Ion Ratio Lower Upper
73 100
57 22.7 17.8 26.6

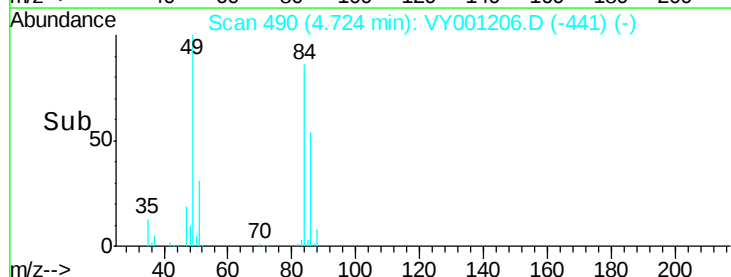
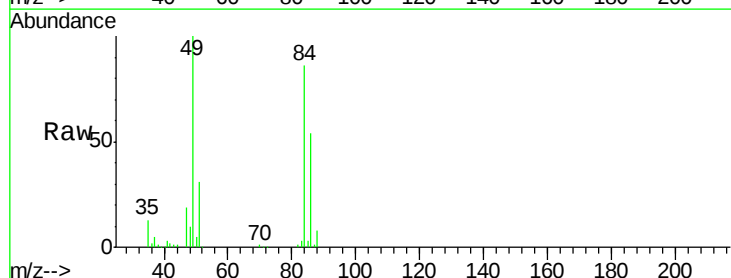
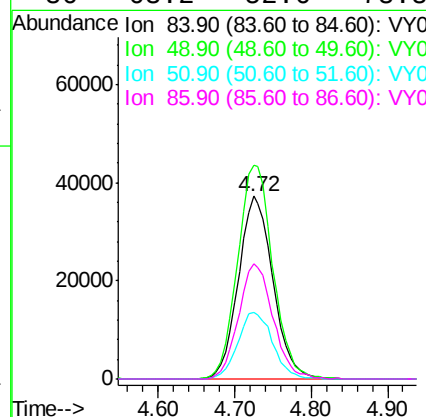
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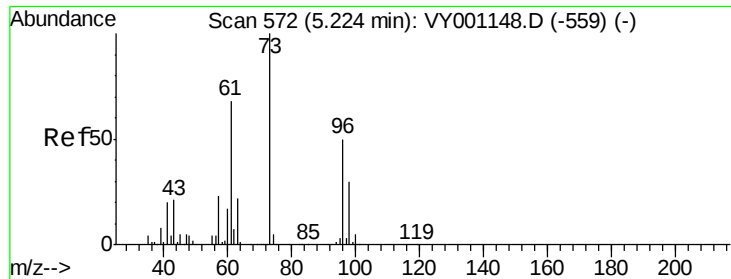
MMDadoda
1/15/2020 9:30:30 AM



#20
Methylene Chloride
Concen: 53.504 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion: 84 Resp: 116817
Ion Ratio Lower Upper
84 100
49 116.7 93.8 140.6
51 36.6 29.9 44.9
86 63.2 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 50.859 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

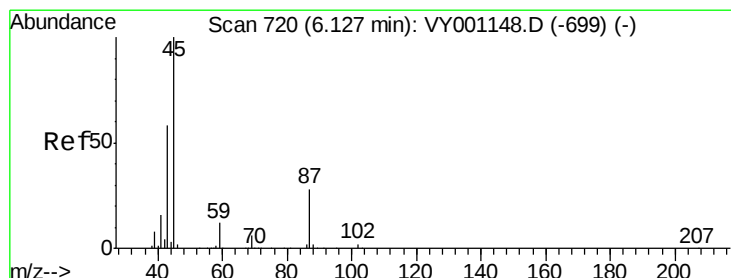
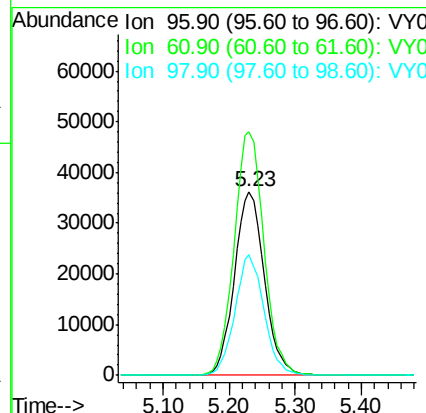
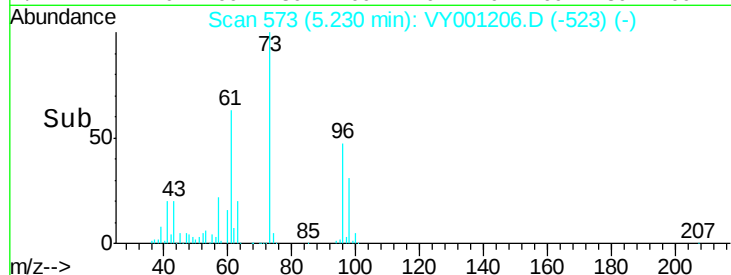
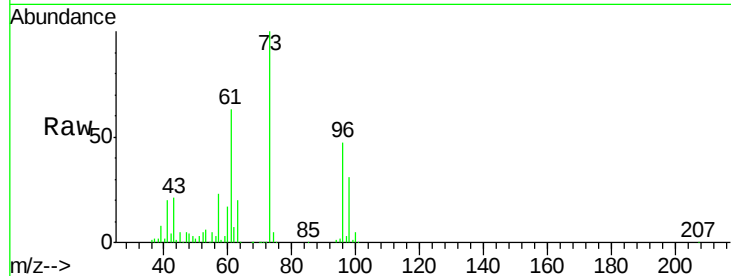
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	113423
Ion	Ratio	Lower	Upper
96	100		
61	132.6	107.6	161.4
98	66.0	47.6	71.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.407 ug/l

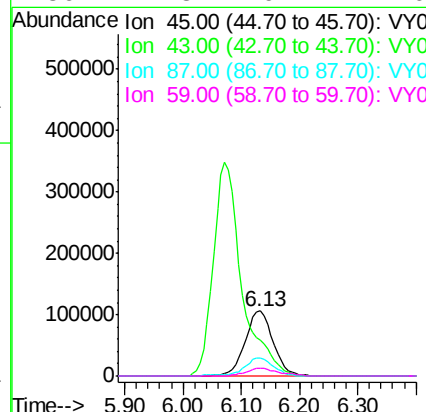
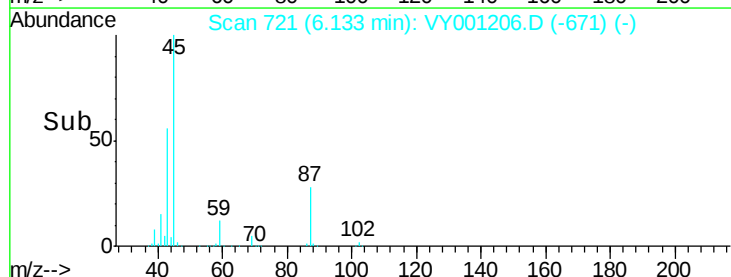
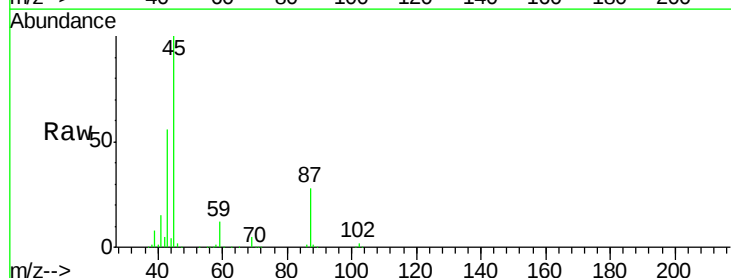
RT: 6.13 min Scan# 721

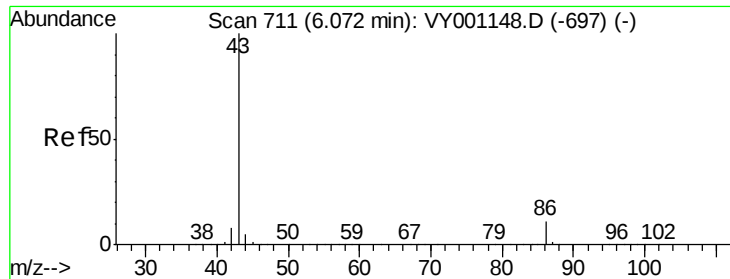
Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Tgt Ion:	45	Resp:	355320
Ion	Ratio	Lower	Upper
45	100		
43	55.4	46.5	69.7
87	27.8	22.5	33.7
59	11.8	9.4	14.0





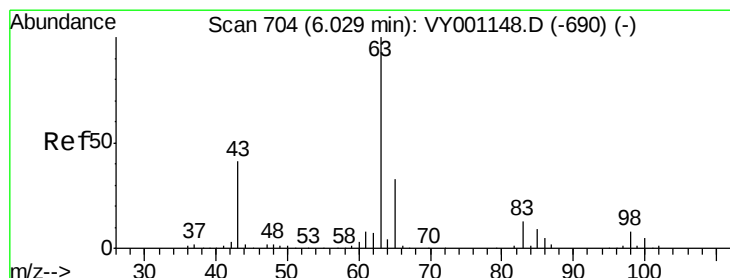
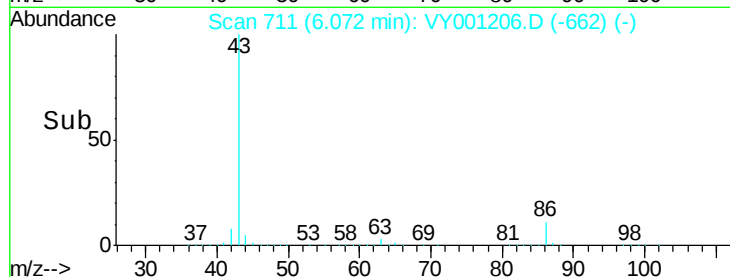
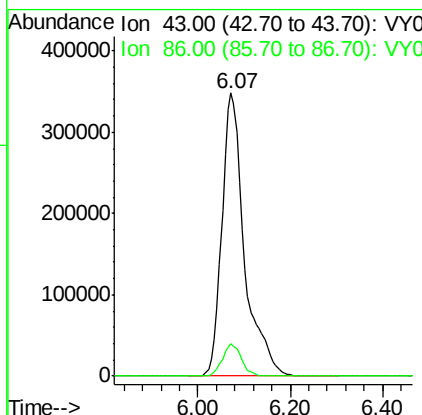
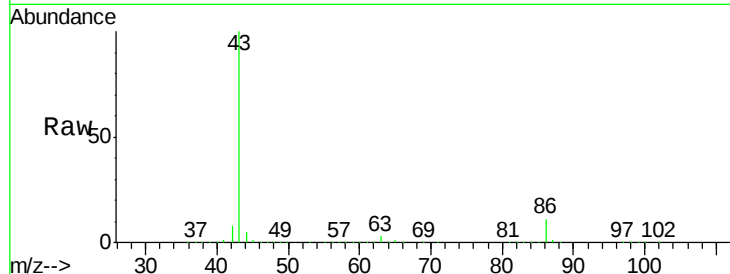
#23
 Vinyl Acetate
 Concen: 272.199 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1180293
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.0 13.4

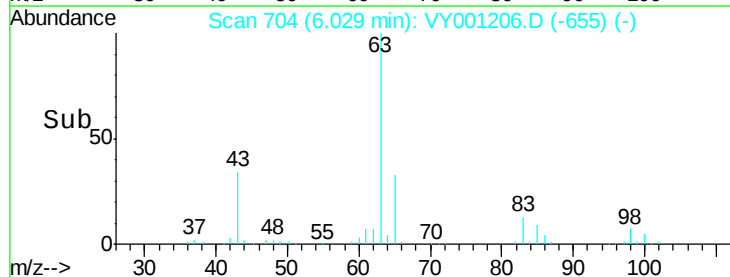
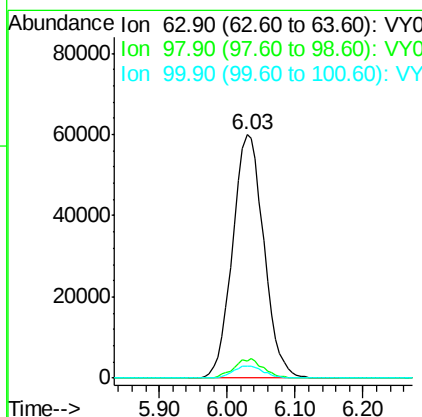
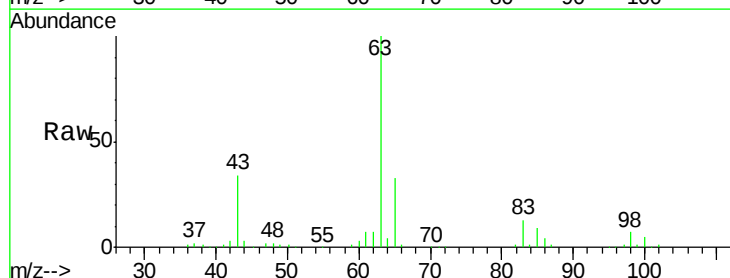
Manual Integrations
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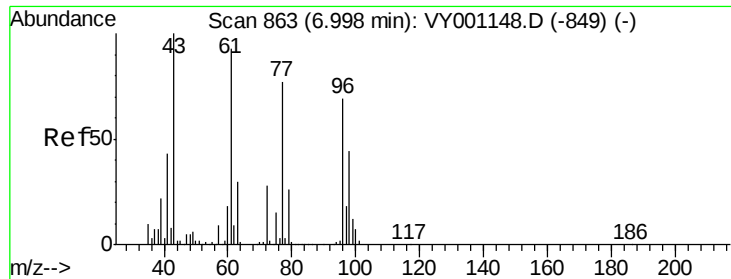
MMDadoda
 1/15/2020 9:30:30 AM



#24
 1,1-Dichloroethane
 Concen: 51.575 ug/l
 RT: 6.03 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion: 63 Resp: 191437
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.9 11.7
 100 5.2 2.4 7.2





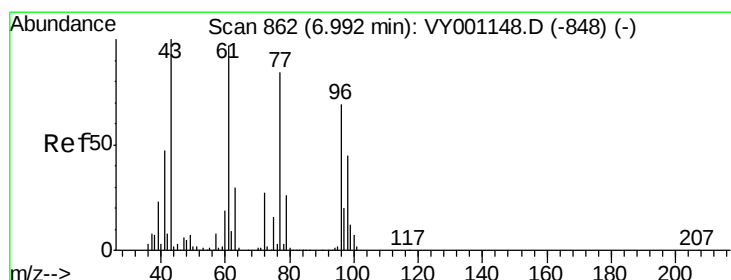
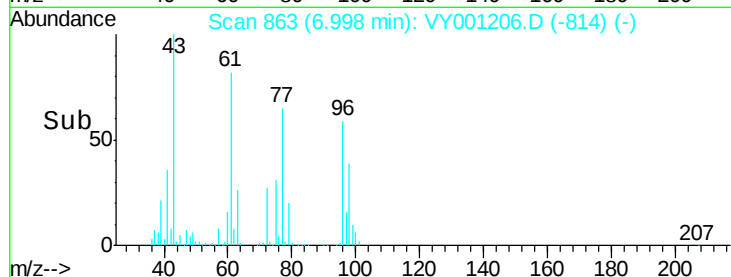
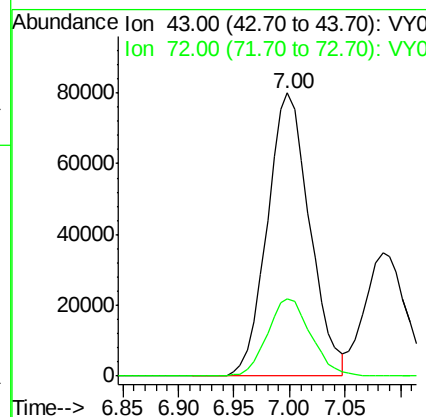
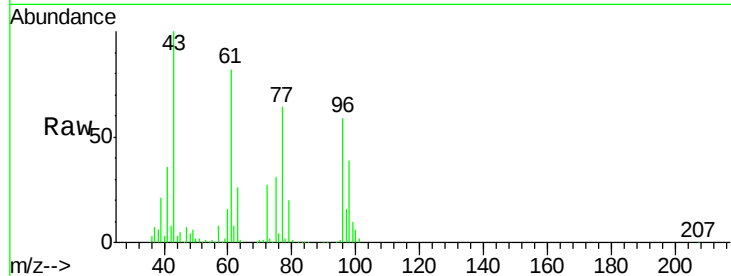
#25
2-Butanone
Concen: 288.211 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 211683
Ion Ratio Lower Upper
43 100
72 27.3 22.2 33.2

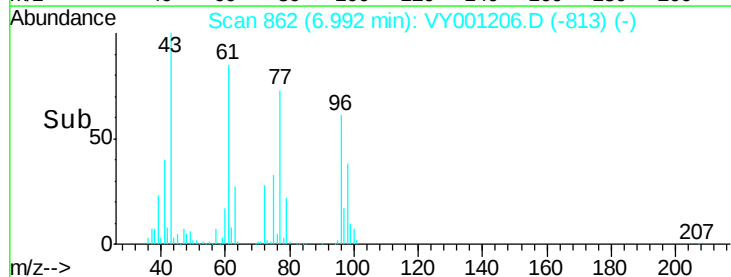
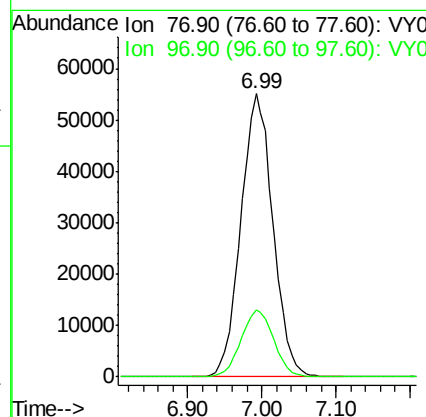
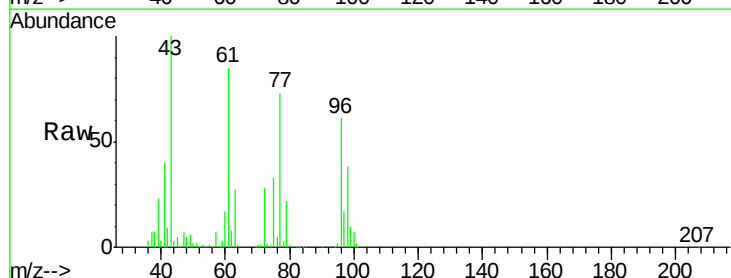
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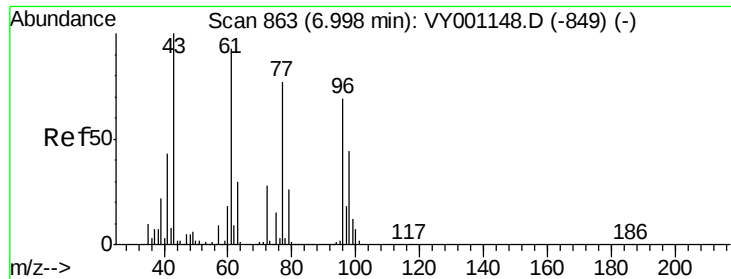
MMDadoda
1/15/2020 9:30:30 AM



#26
2,2-Dichloropropane
Concen: 48.622 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion: 77 Resp: 165961
Ion Ratio Lower Upper
77 100
97 24.0 11.9 35.7





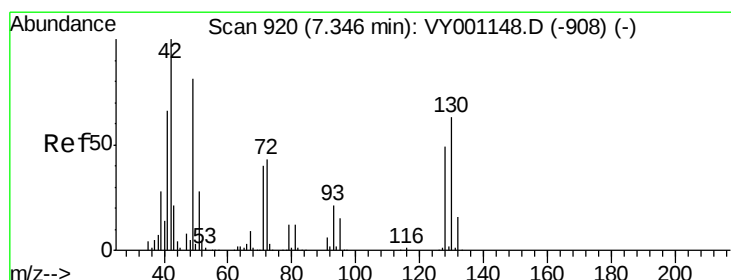
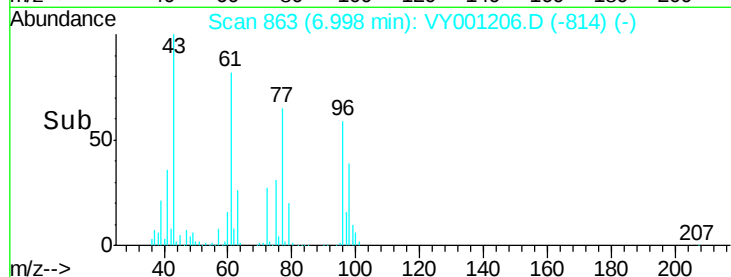
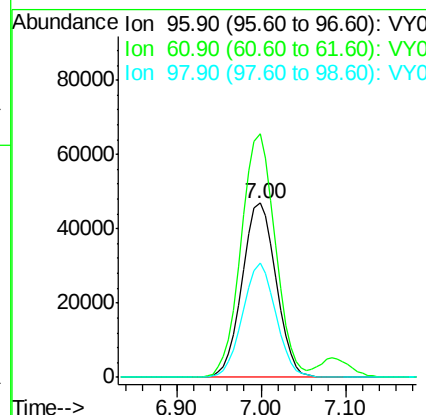
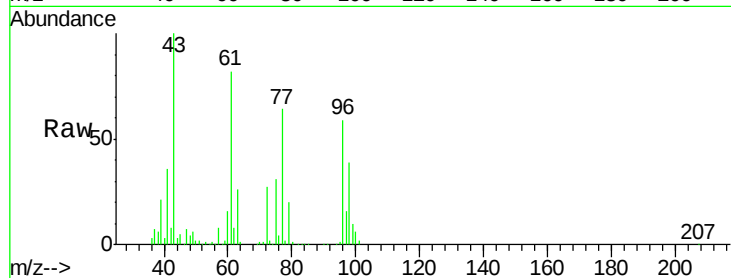
#27
 cis-1,2-Dichloroethene
 Concen: 52.477 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	284.0
98	64.1	0.0	130.2

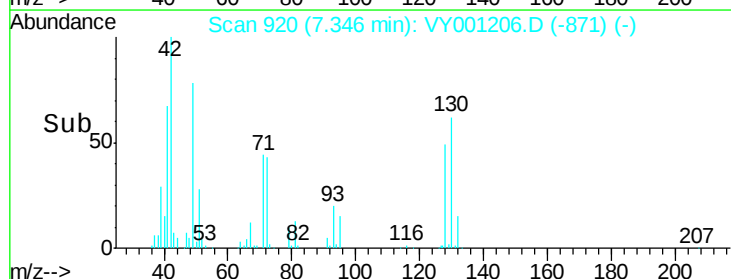
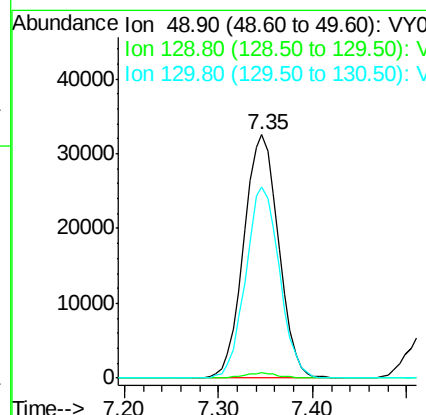
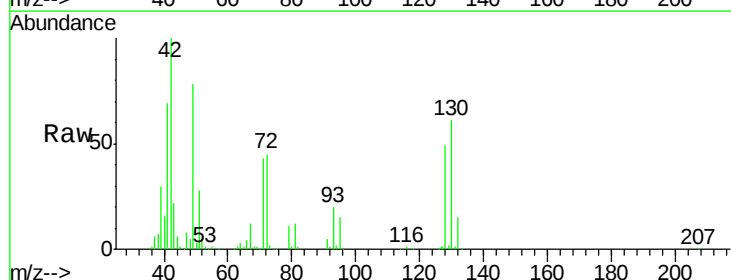
Manual Integrations
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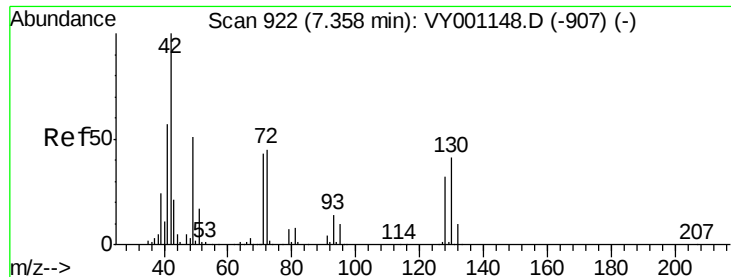
MMDadoda
 1/15/2020 9:30:30 AM



#28
 Bromochloromethane
 Concen: 54.845 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.4	61.2	91.8





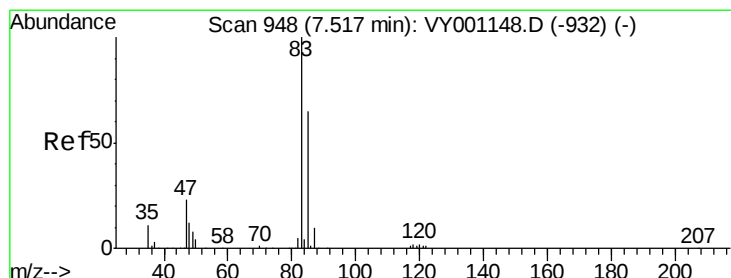
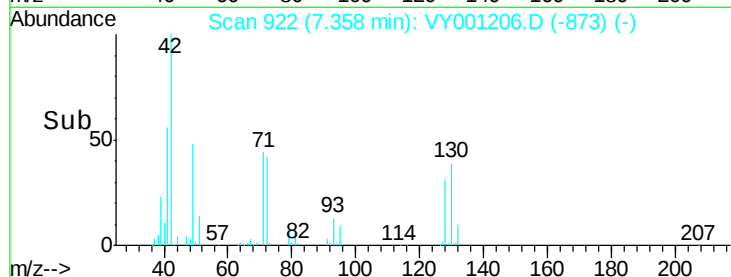
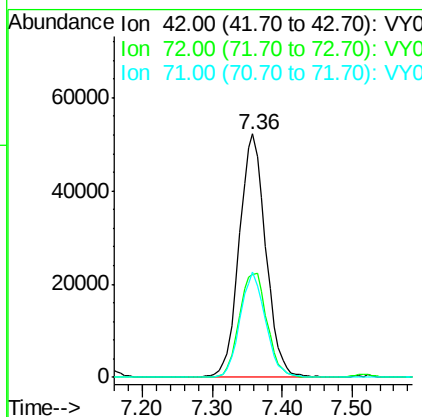
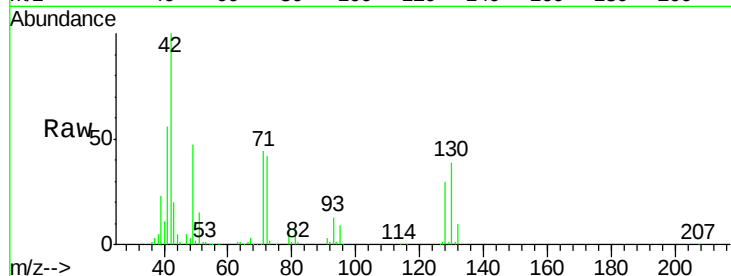
#29
Tetrahydrofuran
Concen: 273.927 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	36.9	55.3
71	41.2	34.0	51.0

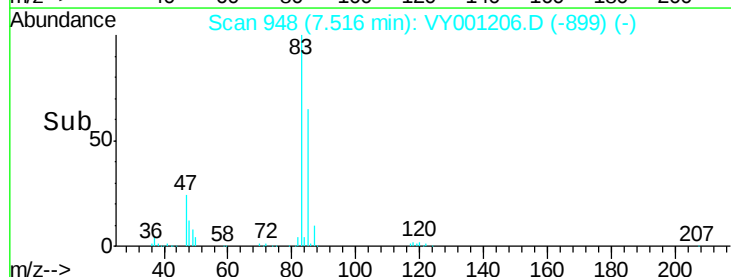
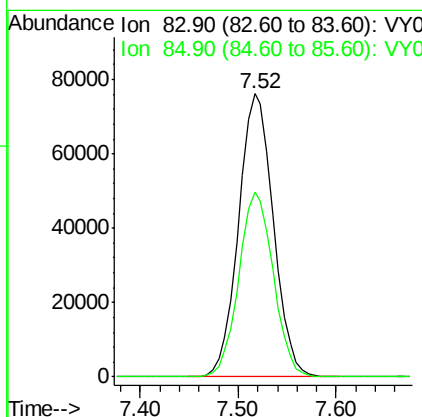
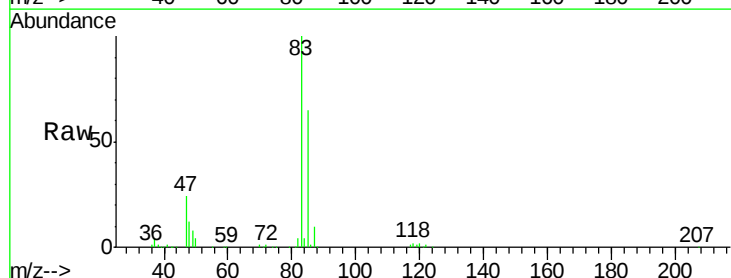
Manual Integrations
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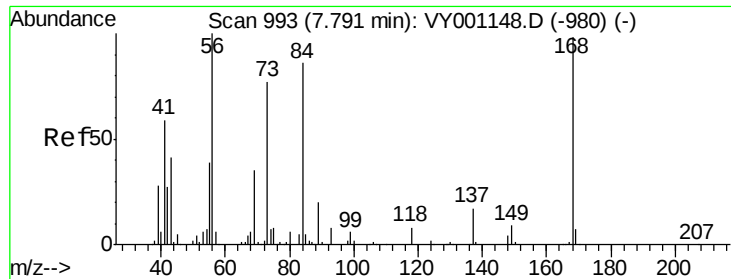
MMDadoda
1/15/2020 9:30:30 AM



#30
Chloroform
Concen: 51.590 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9





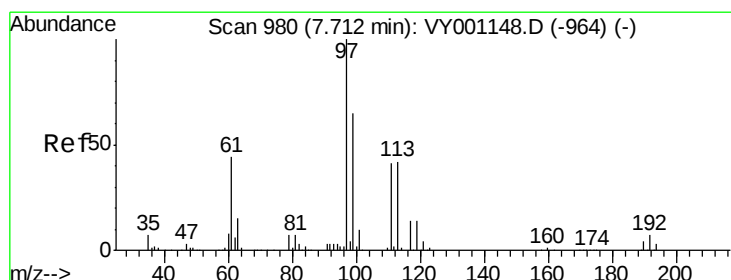
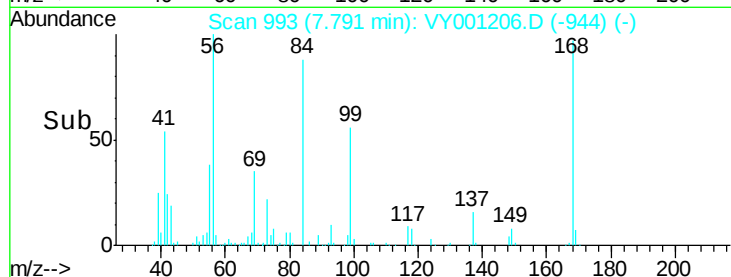
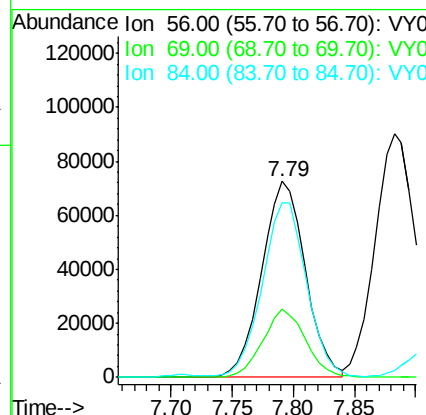
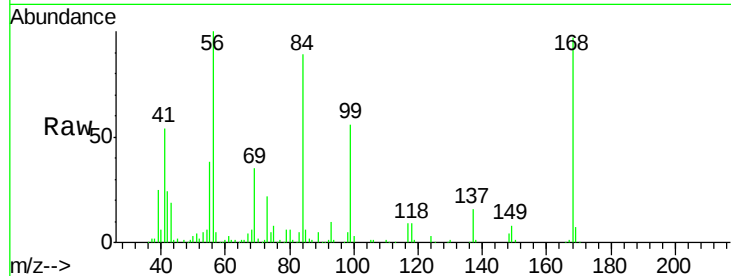
#31
Cyclohexane
Concen: 45.779 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	27.8	41.8
84	87.9	68.9	103.3

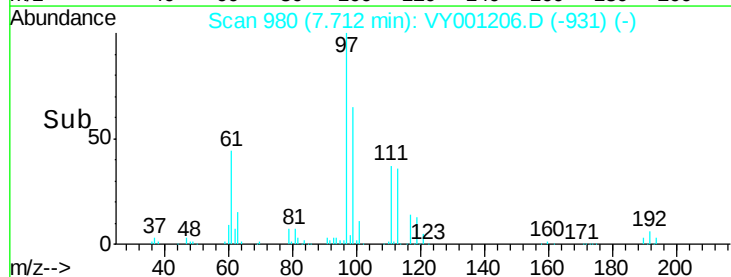
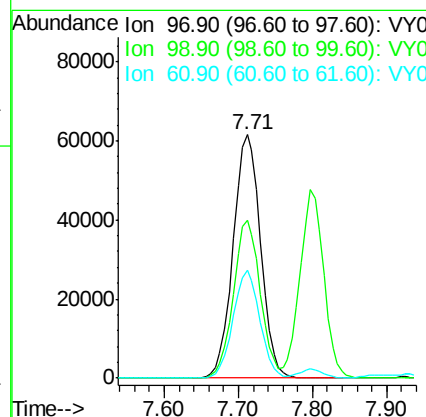
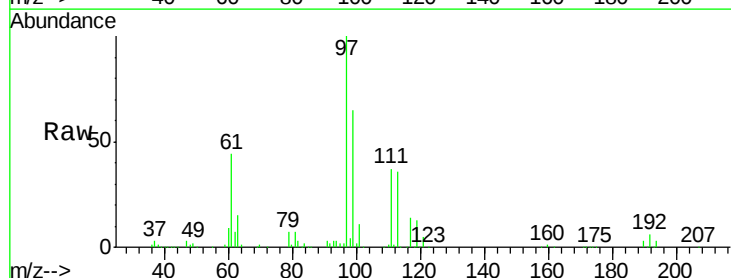
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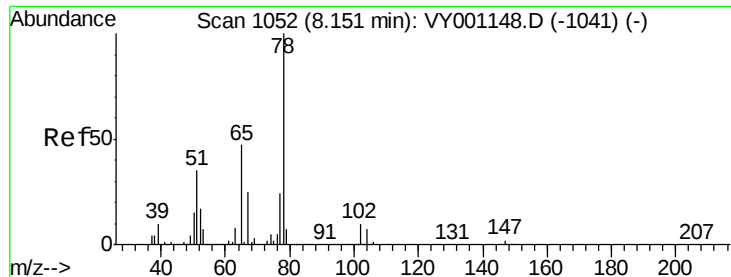
MMDadoda
1/15/2020 9:30:30 AM



#32
1,1,1-Trichloroethane
Concen: 49.157 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

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





#33

1,2-Dichloroethane-d4

Concen: 48.720 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 99000

Ion Ratio Lower Upper

65 100

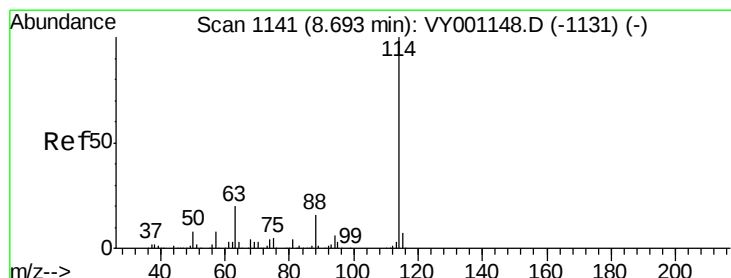
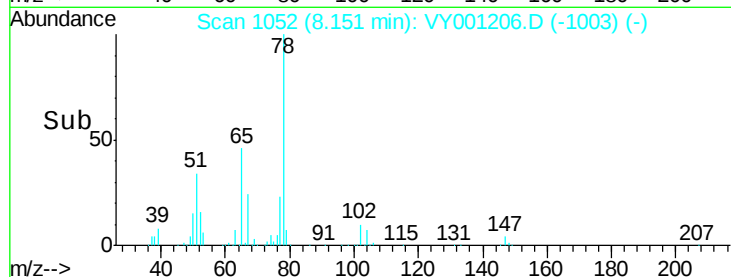
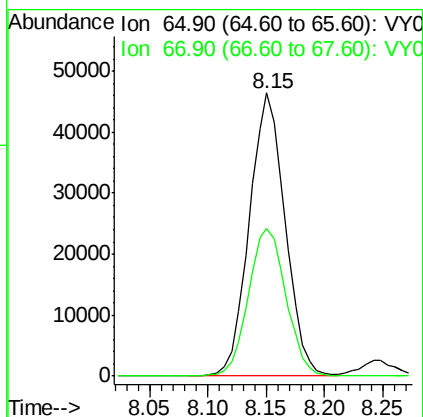
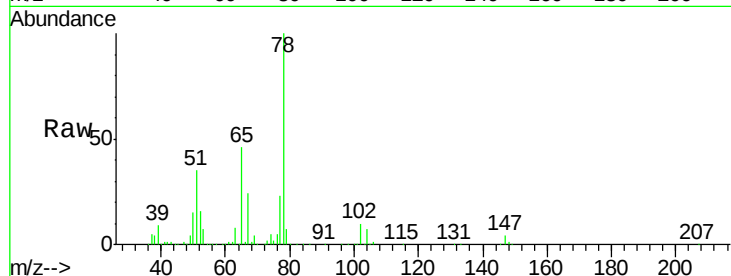
67 54.9 0.0 105.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

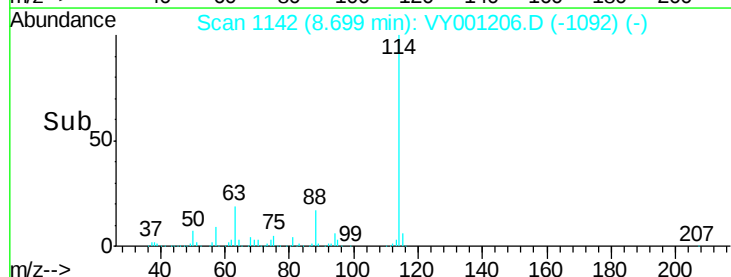
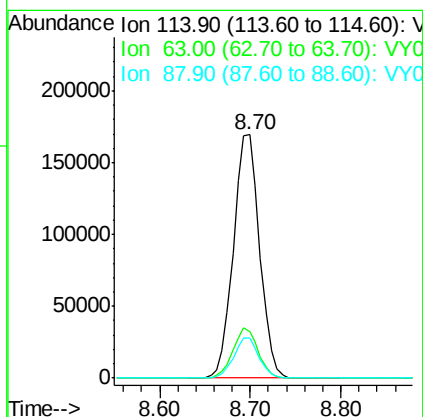
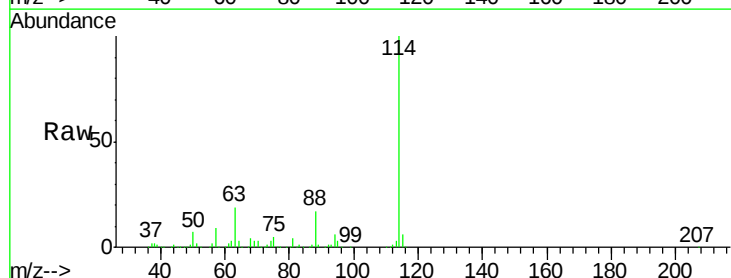
Tgt Ion: 114 Resp: 338635

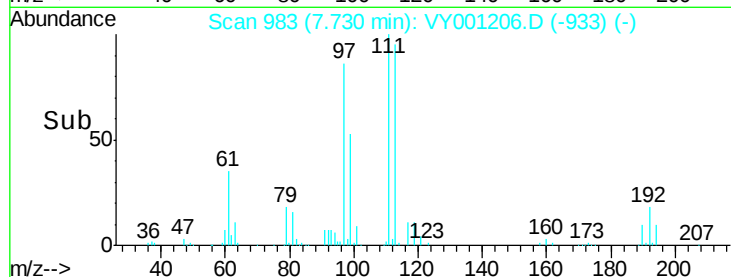
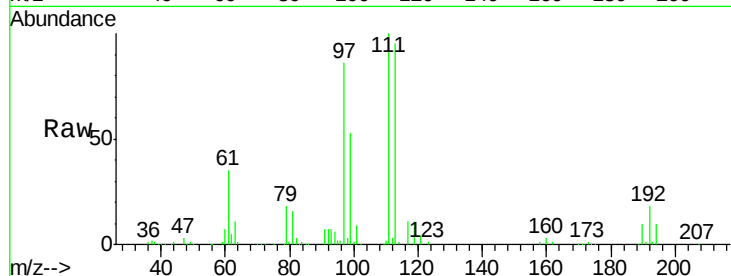
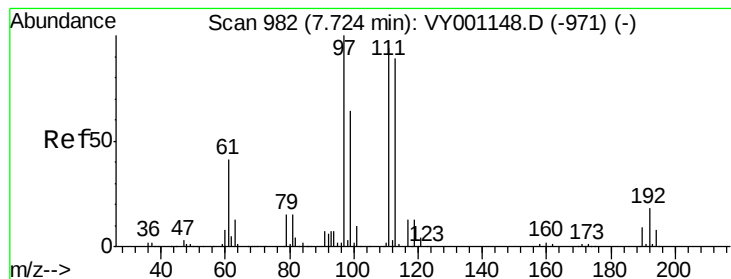
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.493 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001206.D

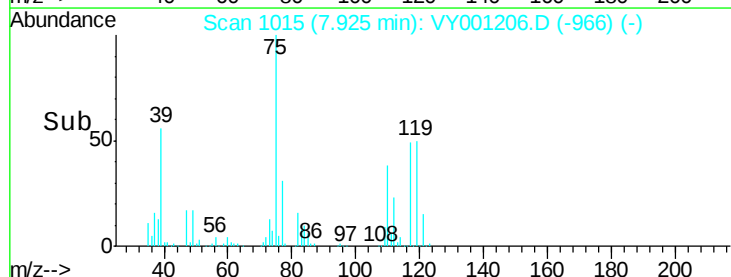
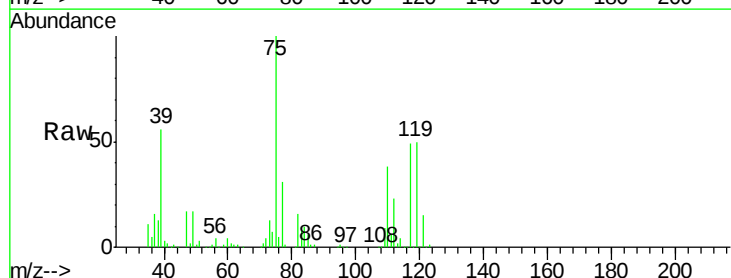
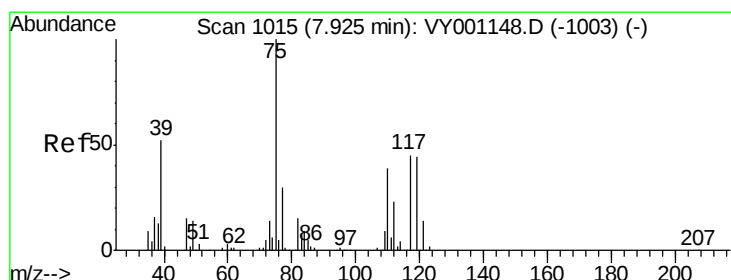
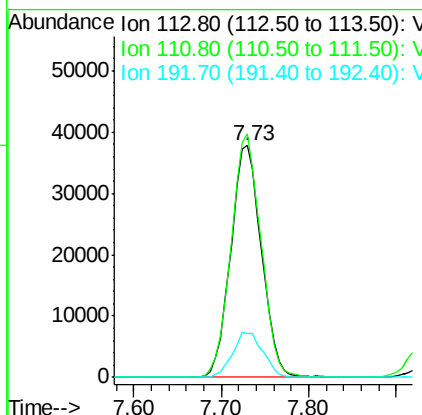
Acq: 14 Jan 2020 16:12

Tot Ion:	113	Resp:	92182
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.5	15.4	23.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 48.095 ug/l

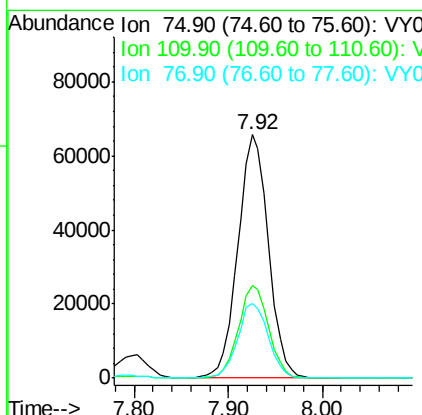
RT: 7.92 min Scan# 1015

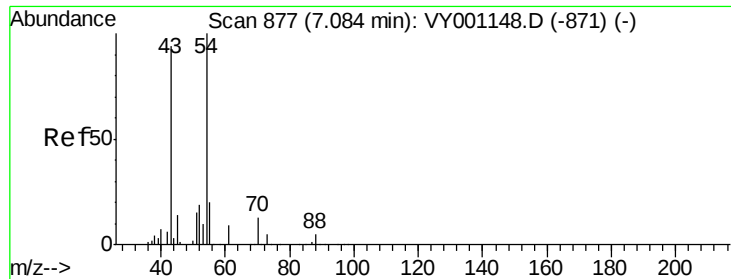
Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Tgt Ion:	75	Resp:	148442
Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.3	54.8
77	31.1	25.1	37.7





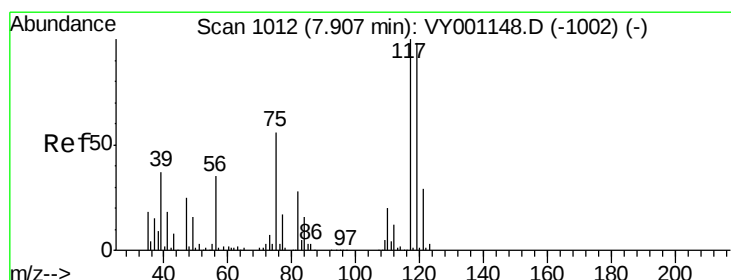
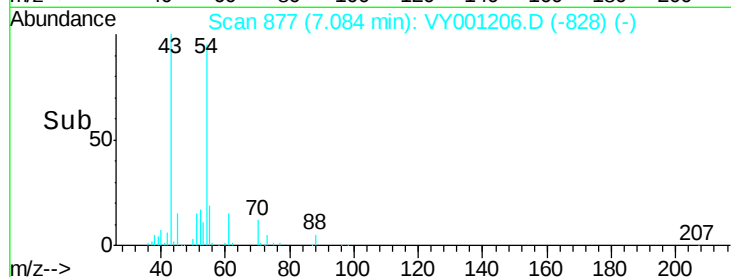
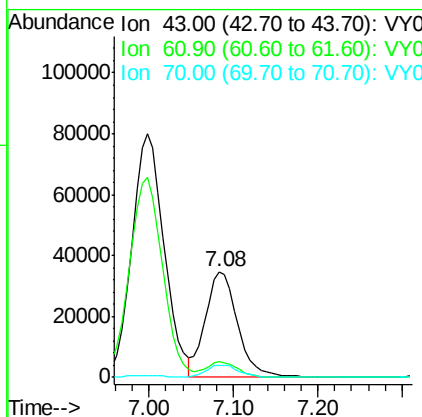
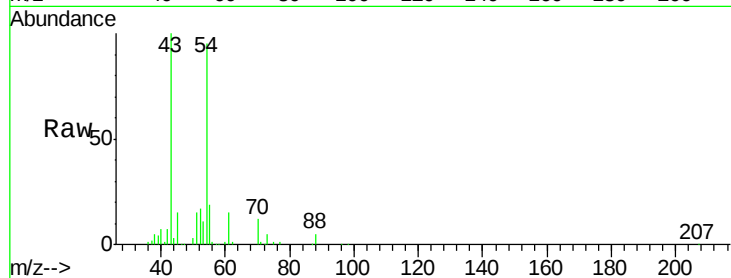
#37
Ethyl Acetate
Concen: 51.135 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	11.6	9.7	14.5

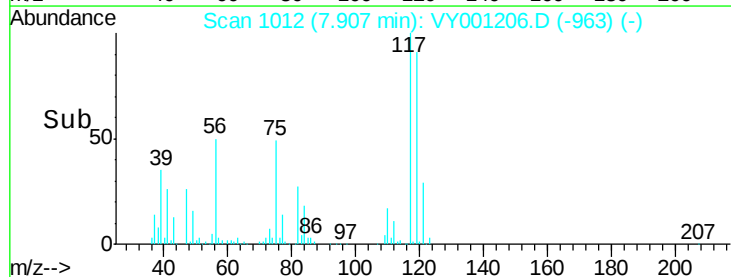
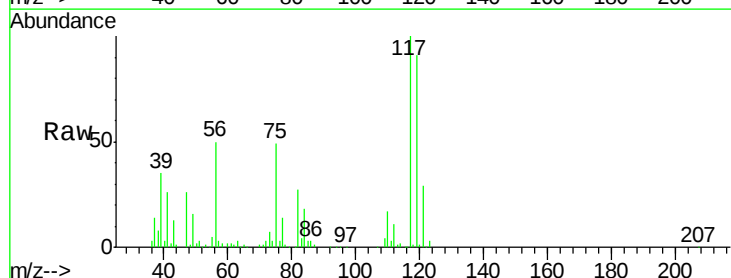
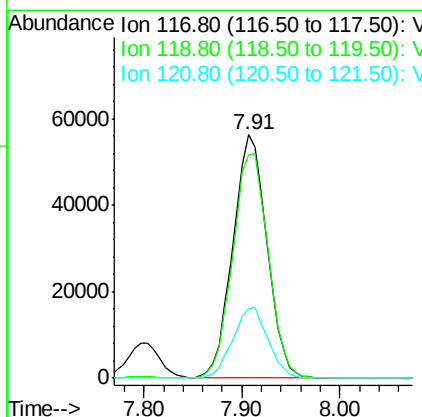
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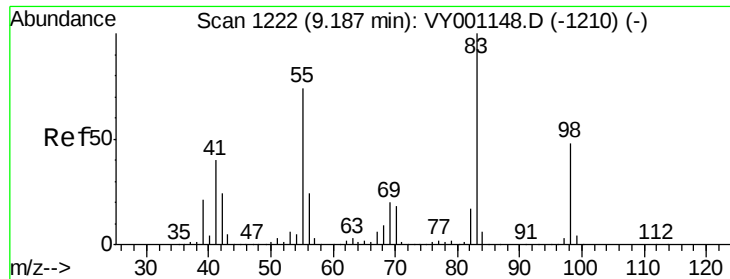
MMDadoda
1/15/2020 9:30:30 AM



#38
Carbon Tetrachloride
Concen: 48.283 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	78.3	117.5
121	28.8	23.5	35.3





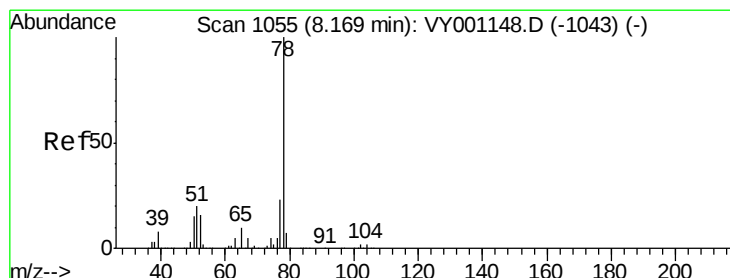
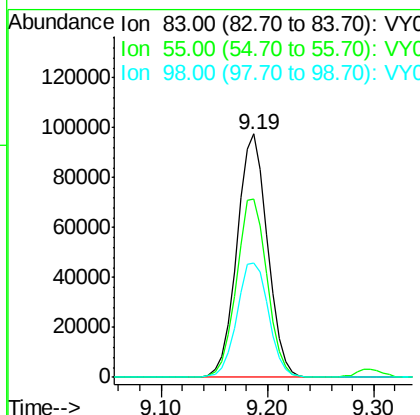
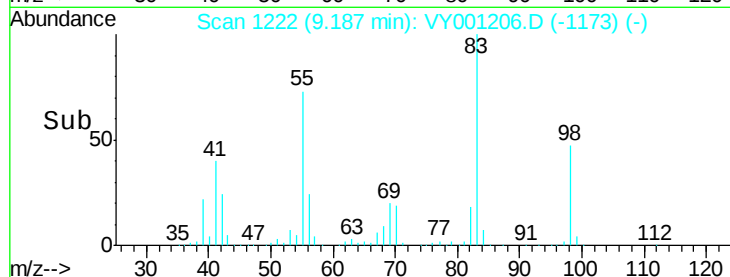
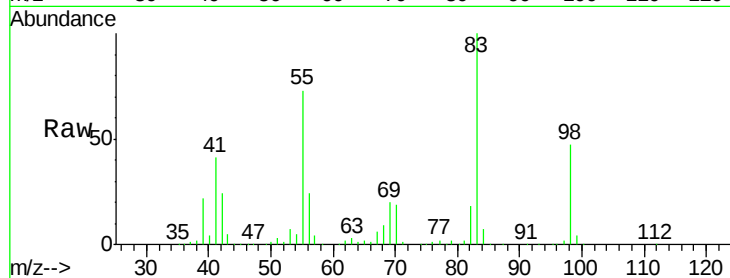
#39
Methvlcvclohexane
Concen: 46.924 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	83.00	Resp	196348
Ion Ratio	100	Lower	Upper
83	100		
55	73.0	58.9	88.3
98	46.9	38.4	57.6

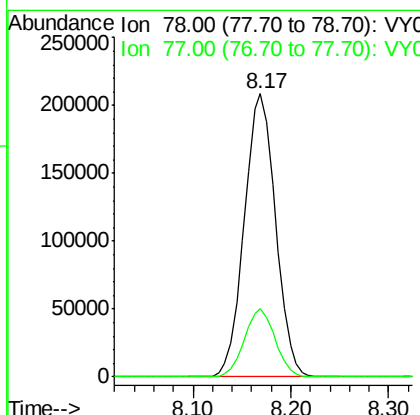
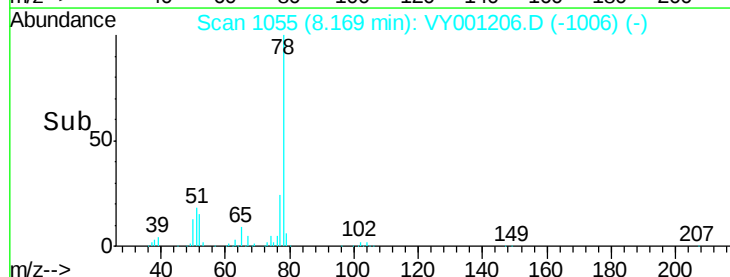
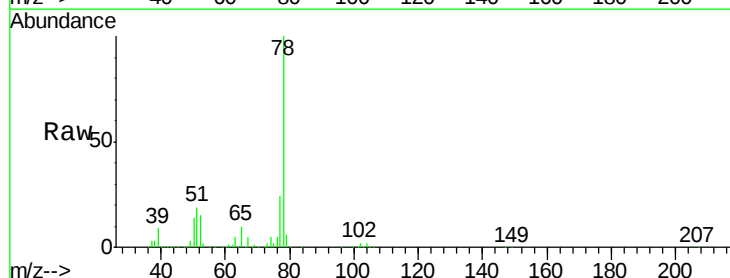
Manual Integrations
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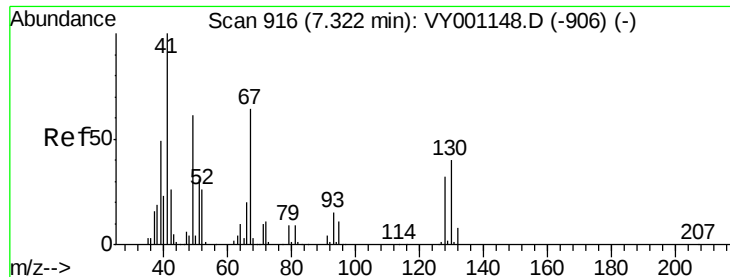
MMDadoda
1/15/2020 9:30:30 AM



#40
Benzene
Concen: 51.222 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	78.00	Resp	461487
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.8	28.2





#41

Methacrylonitrile

Concen: 51.314 ug/l m

RT: 7.33 min Scan# 917

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 43661

Ion Ratio Lower Upper

41 100

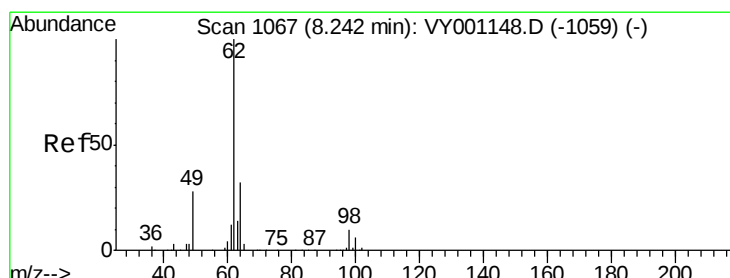
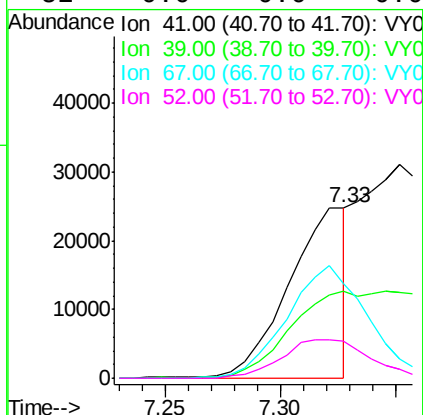
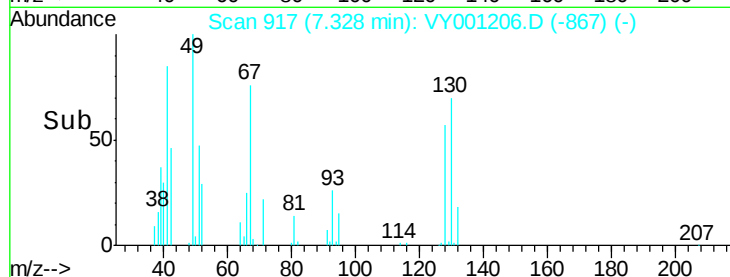
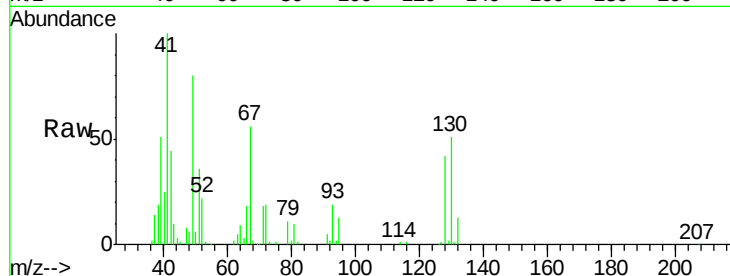
39 0.0 103.5 155.3#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
1/15/2020 9:30:30 AM



#42

1,2-Dichloroethane

Concen: 50.763 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. 0.01 min

Lab File: VY001206.D

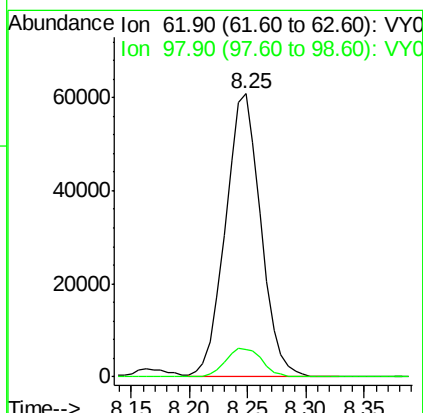
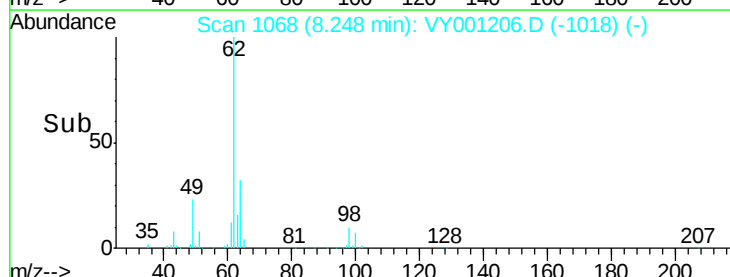
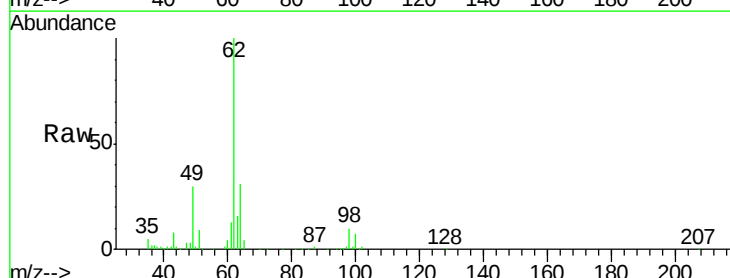
Acq: 14 Jan 2020 16:12

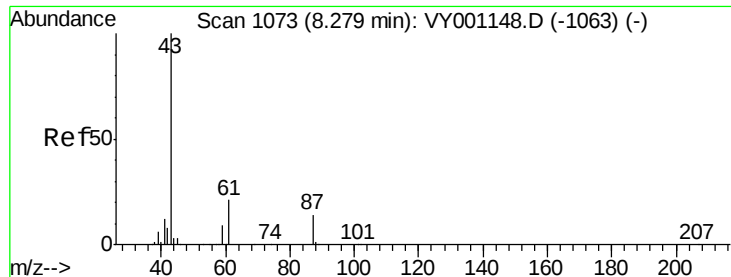
Tgt Ion: 62 Resp: 128063

Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.4





#43

Isopropyl Acetate

Concen: 52.448 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

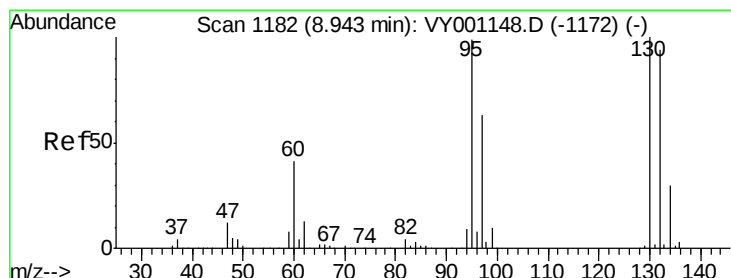
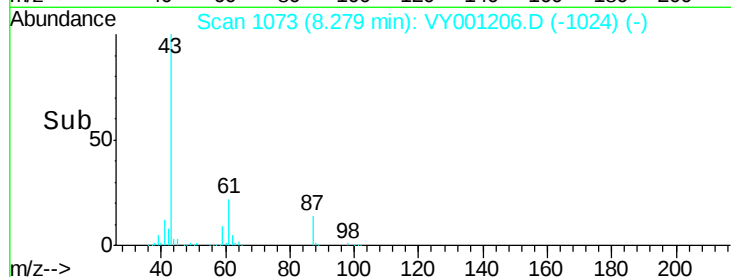
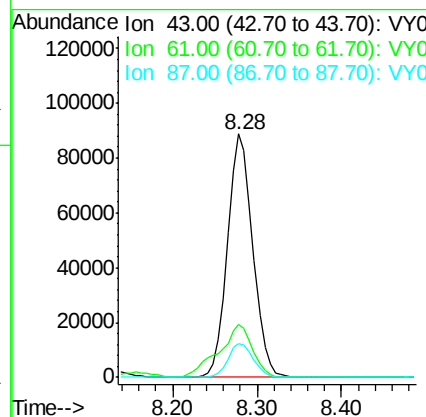
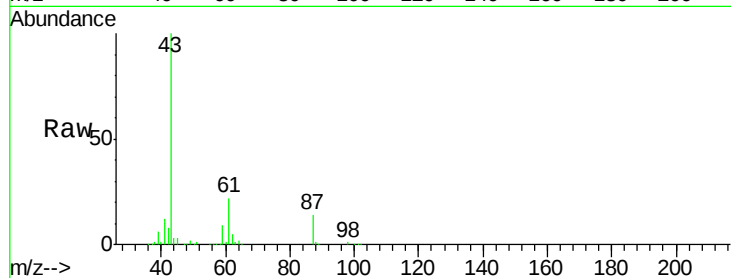
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	181663
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.9	35.9
87	13.9	11.4	17.2

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#44

Trichloroethene

Concen: 50.509 ug/l

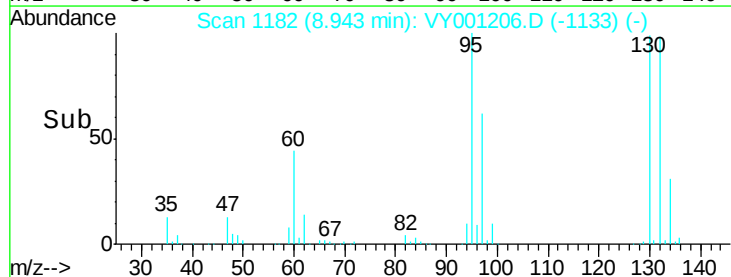
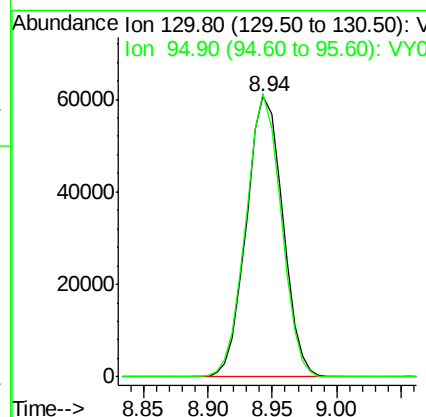
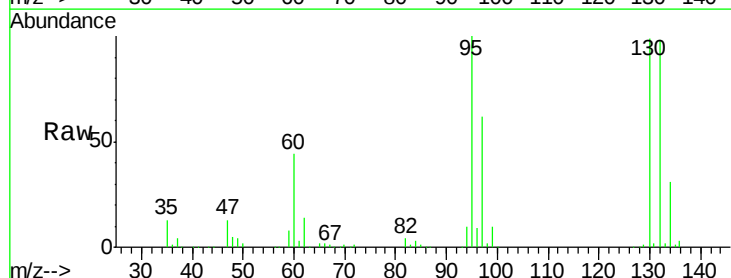
RT: 8.94 min Scan# 1182

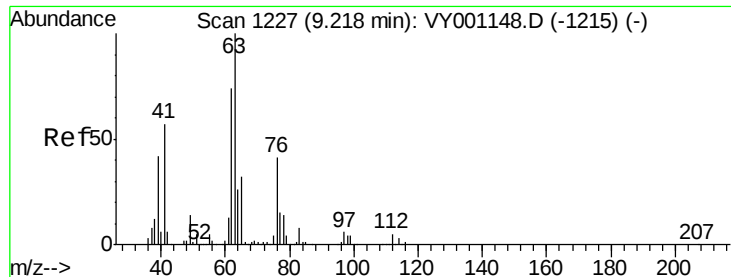
Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Tgt Ion:	130	Resp:	118577
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	197.6





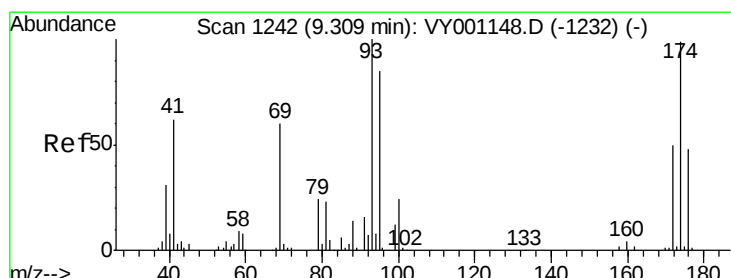
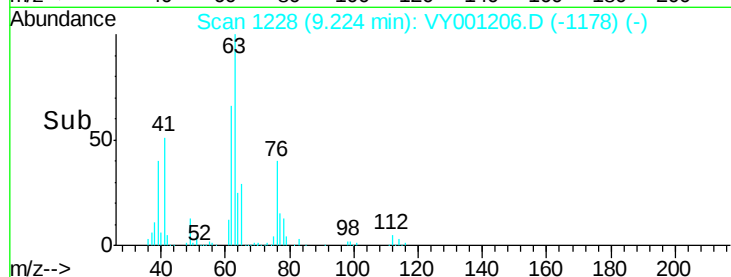
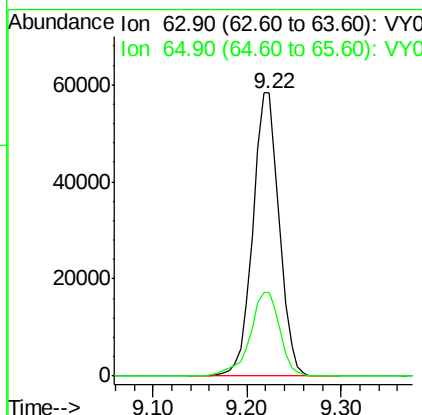
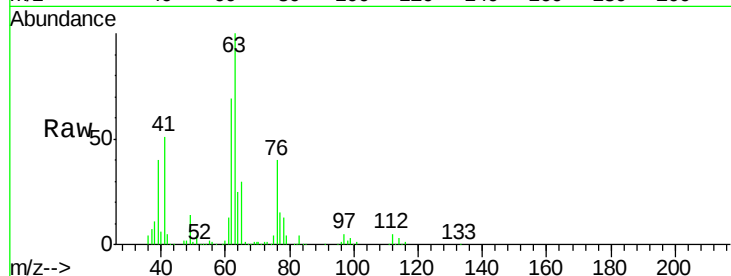
#45
 1,2-Dichloropropane
 Concen: 51.744 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 115252
 Ion Ratio Lower Upper
 63 100
 65 29.6 25.8 38.8

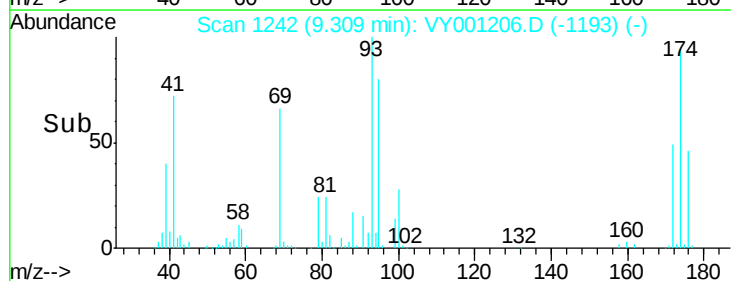
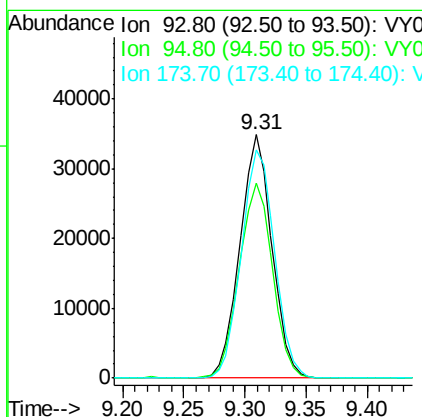
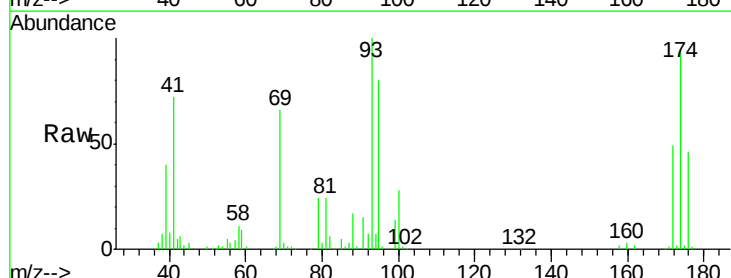
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 1/15/2020 9:30:30 AM



#46
 Dibromomethane
 Concen: 52.190 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion: 93 Resp: 63425
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.8 100.2
 174 97.6 78.4 117.6





#47

Bromodichloromethane

Concen: 51.036 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

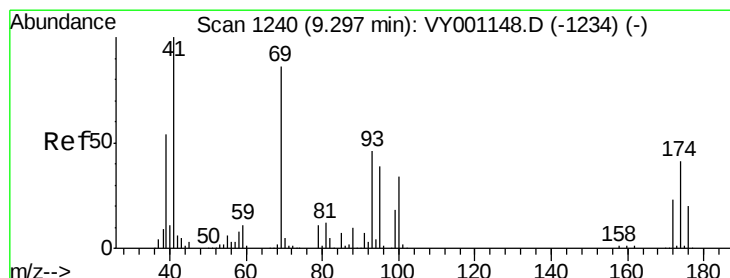
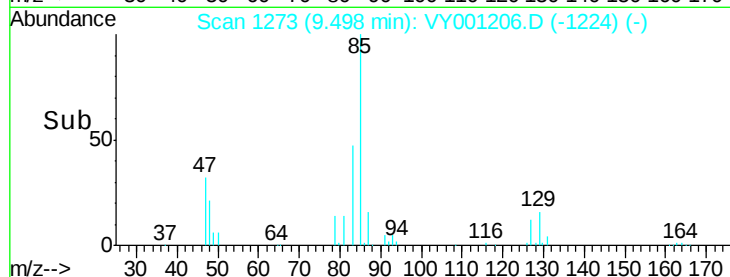
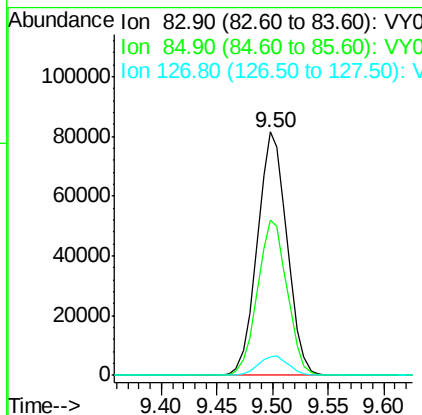
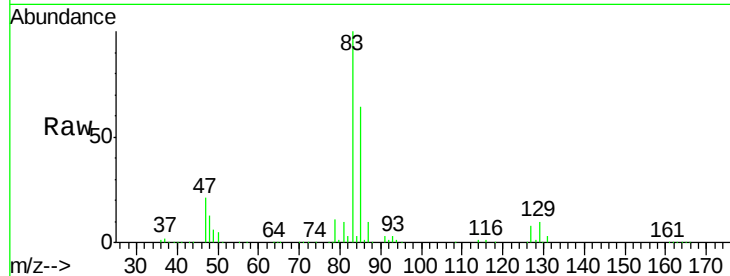
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	151154
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3
127	7.6	6.3	9.5

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#48

Methyl methacrylate

Concen: 51.780 ug/l

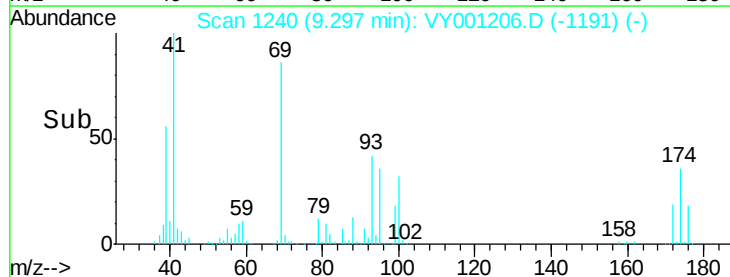
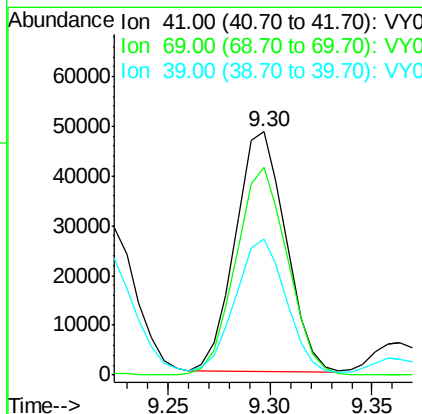
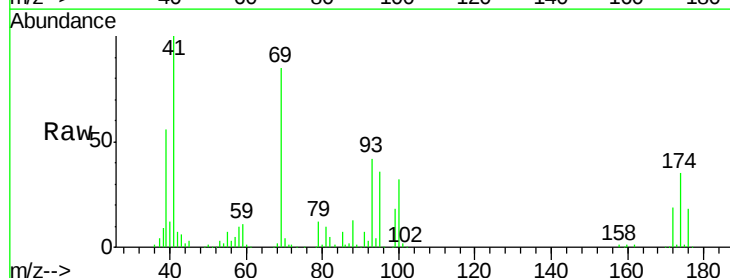
RT: 9.30 min Scan# 1240

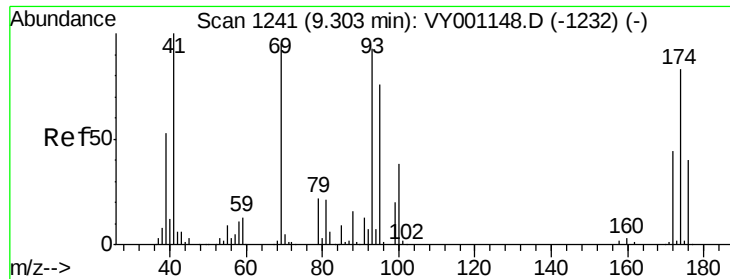
Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Tgt Ion:	41	Resp:	82996
Ion	Ratio	Lower	Upper
41	100		
69	88.6	69.8	104.8
39	58.3	45.2	67.8





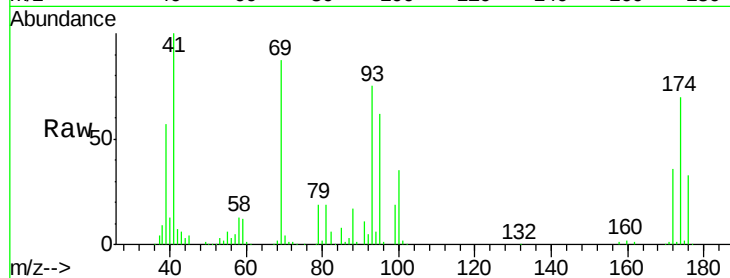
#49
1,4-Dioxane
Concen: 1236.292 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

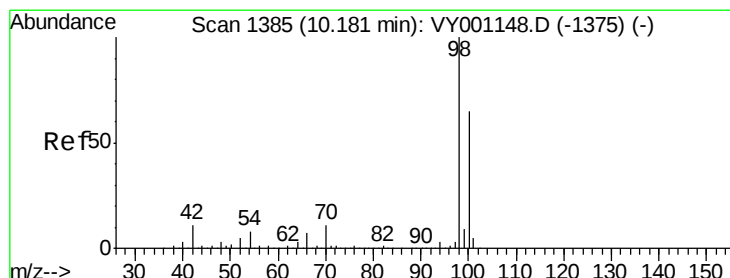
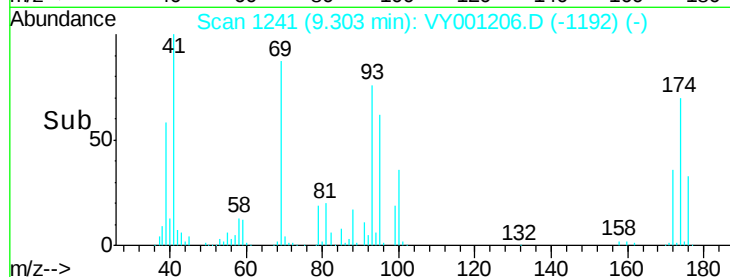
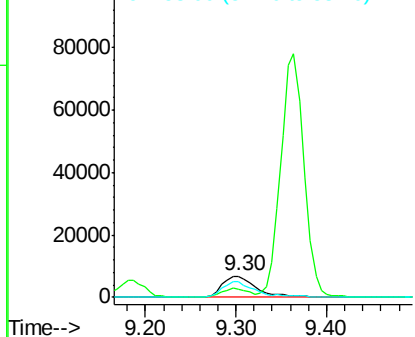
Tot Ion	88	Resp	18297
Ion Ratio	Lower	Upper	
88	100		
43	30.7	22.4	33.6
58	73.3	58.0	87.0

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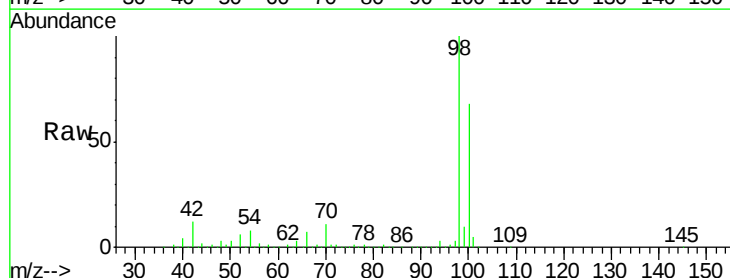


Abundance Ion 88.00 (87.70 to 88.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 58.00 (57.70 to 58.70): VY0

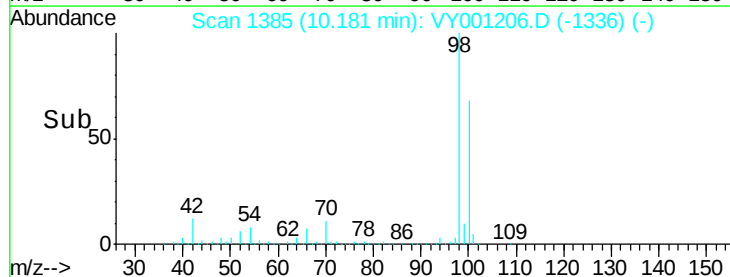
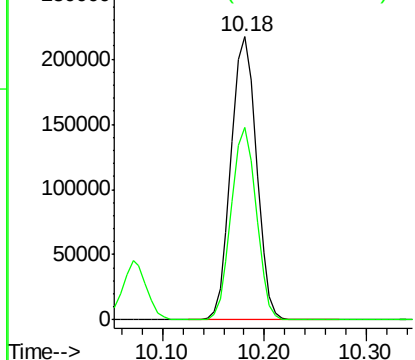


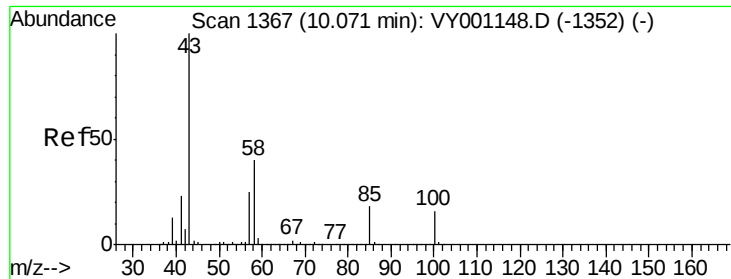
#50
Toluene-d8
Concen: 49.009 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	98	Resp	374409
Ion Ratio	Lower	Upper	
98	100		
100	67.0	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VY0
Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 263.737 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 463520

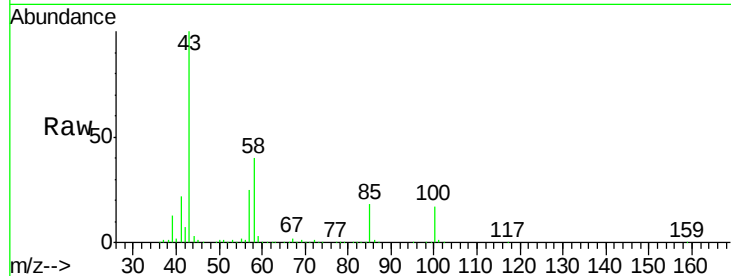
Ion Ratio Lower Upper

43 100

58 40.1 32.3 48.5

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Abundance Ion 43.00 (42.70 to 43.70): VY001148.D (-1352) (-)

Ion 58.00 (57.70 to 58.70): VY001148.D (-1352) (-)

10.07

300000

250000

200000

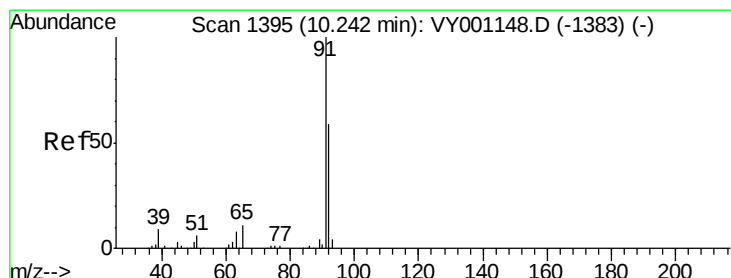
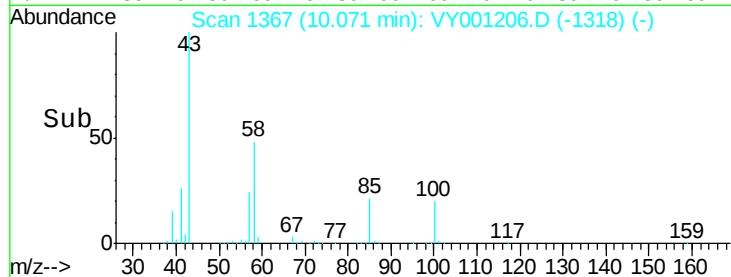
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 51.194 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.00 min

Lab File: VY001206.D

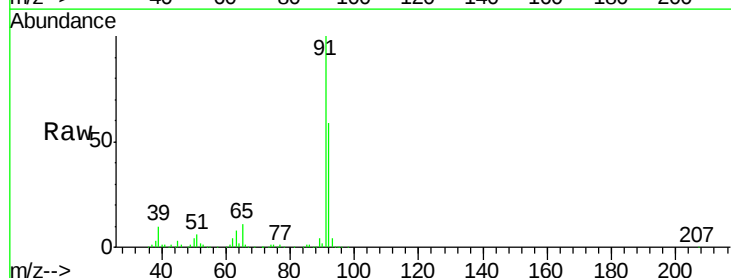
Acq: 14 Jan 2020 16:12

Tgt Ion: 92 Resp: 294175

Ion Ratio Lower Upper

92 100

91 170.6 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY001148.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY001148.D (-1383) (-)

10.24

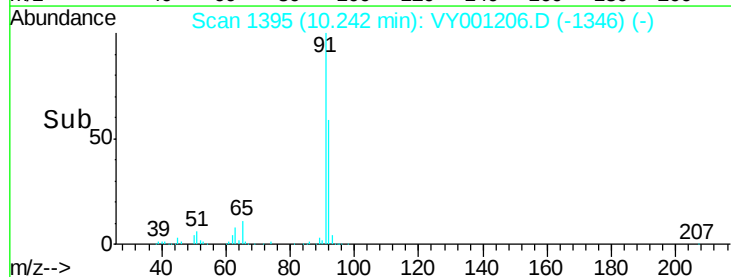
300000

200000

100000

0

Time-->





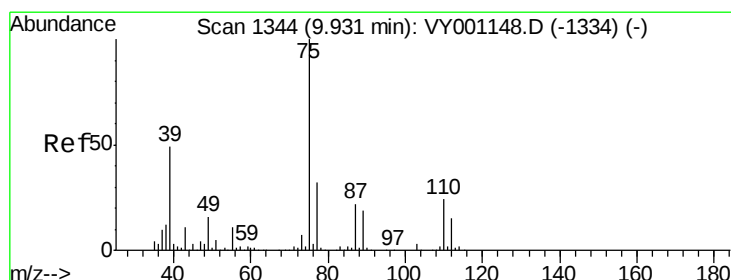
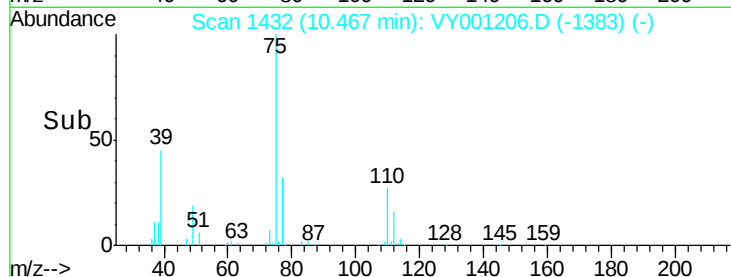
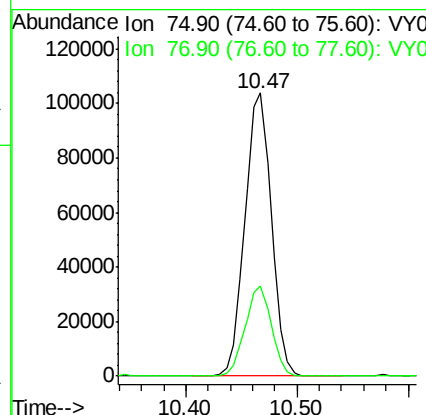
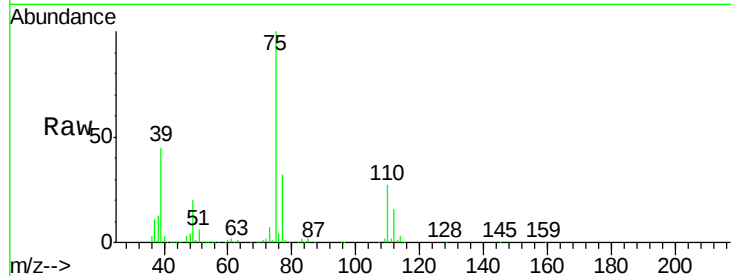
#53
t-1,3-Dichloropropene
Concen: 51.649 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 171174
Ion Ratio Lower Upper
75 100
77 31.9 26.2 39.2

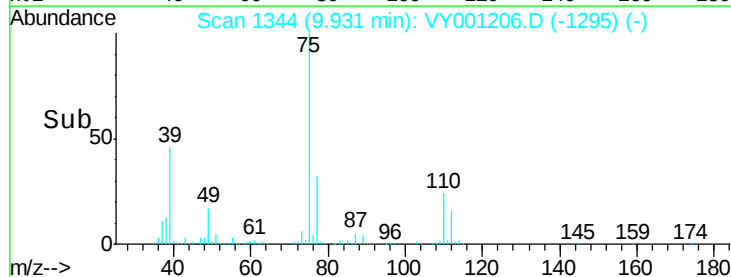
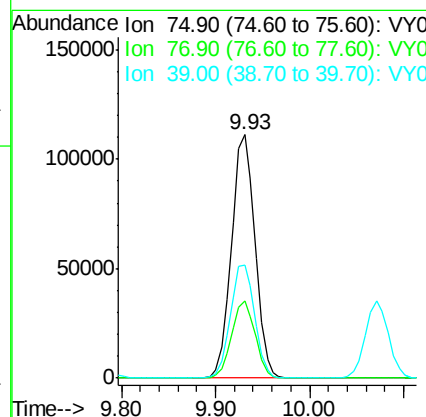
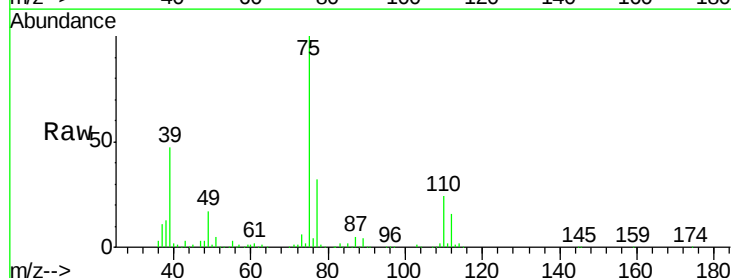
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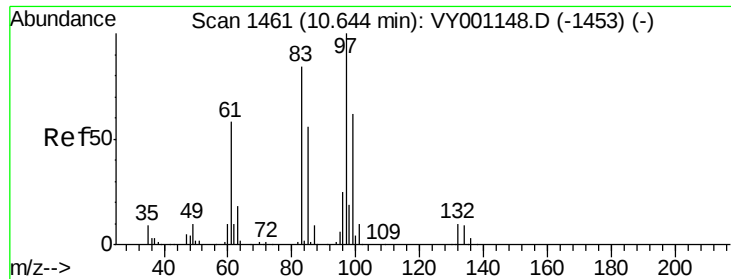
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#54
cis-1,3-Dichloropropene
Concen: 51.499 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion: 75 Resp: 192433
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9
39 46.6 39.1 58.7





#55

1,1,2-Trichloroethane

Concen: 51.467 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 92725

Ion Ratio Lower Upper

97 100

83 84.7 67.2 100.8

85 55.7 44.9 67.3

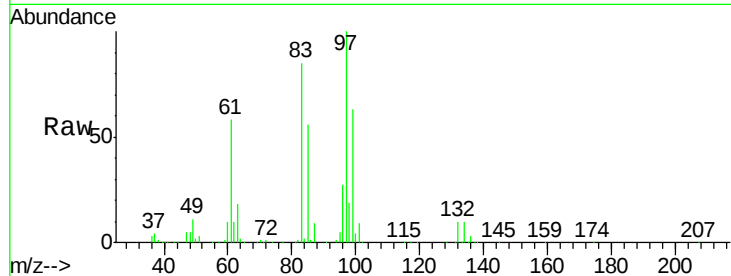
99 63.6 49.9 74.9

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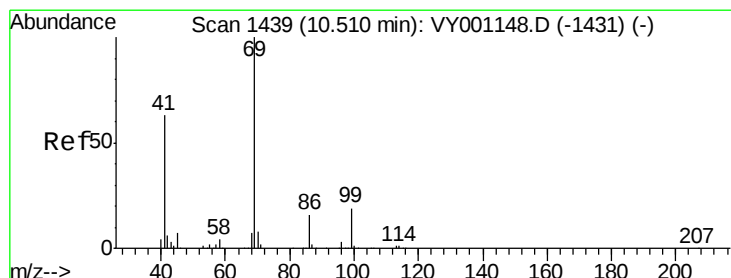
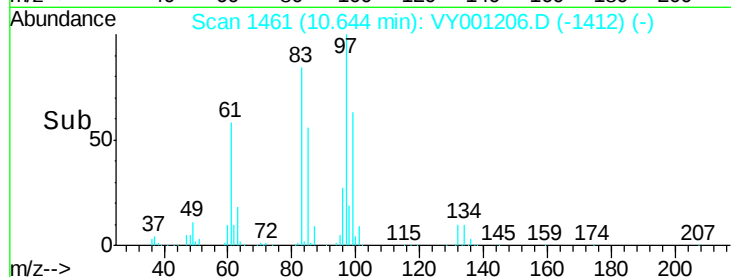
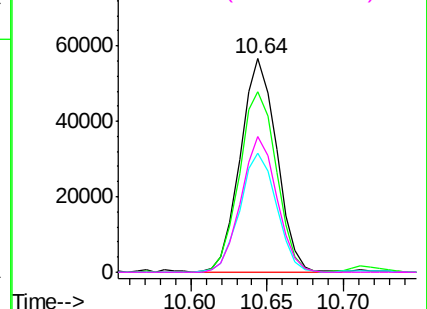


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 51.615 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

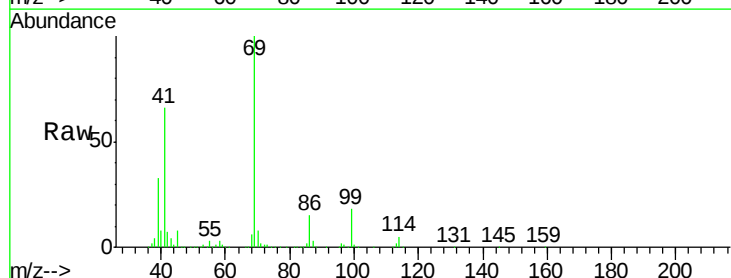
Tgt Ion: 69 Resp: 142246

Ion Ratio Lower Upper

69 100

41 65.5 51.4 77.2

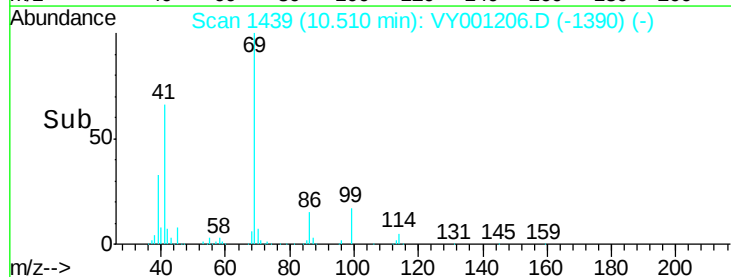
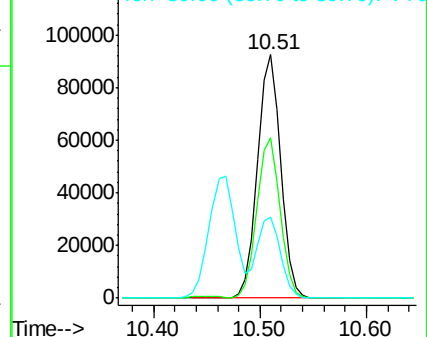
39 34.2 26.3 39.5



Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 52.589 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 162653

Ion Ratio Lower Upper

76 100

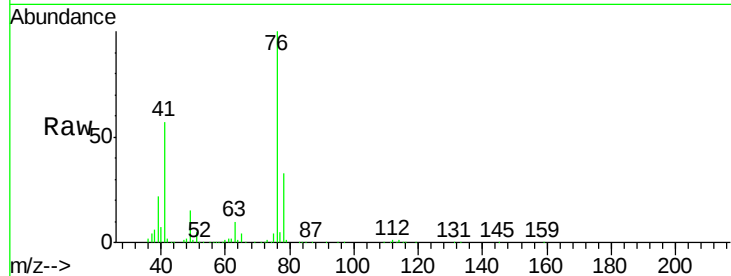
78 32.1 26.1 39.1

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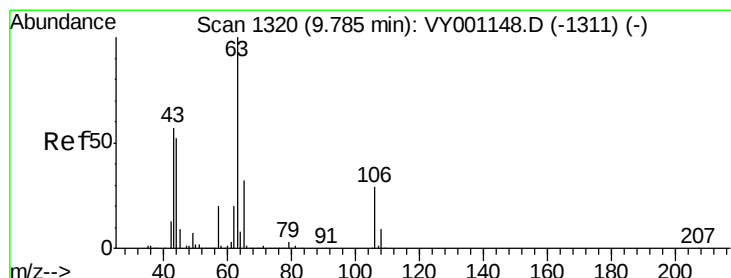
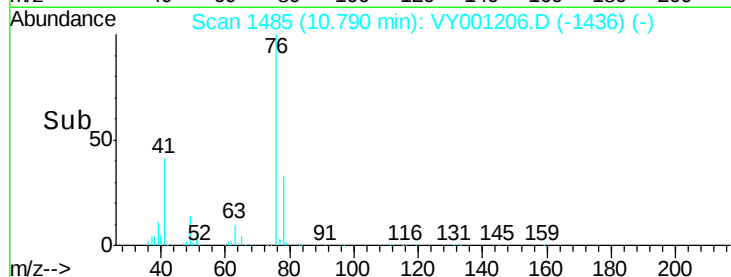
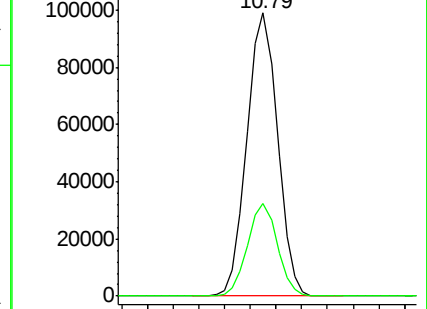
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Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 222.417 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001206.D

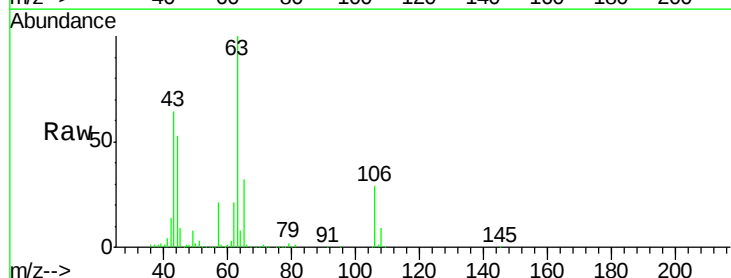
Acq: 14 Jan 2020 16:12

Tgt Ion: 63 Resp: 215586

Ion Ratio Lower Upper

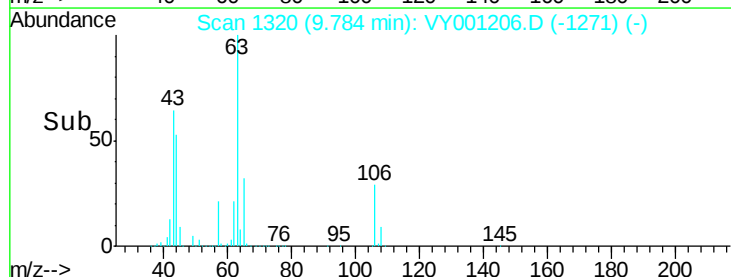
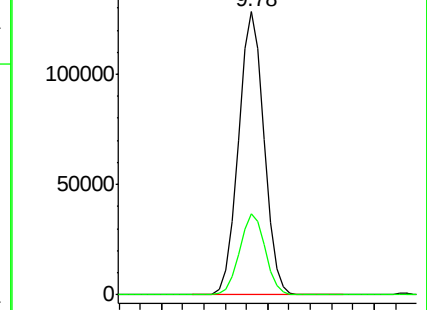
63 100

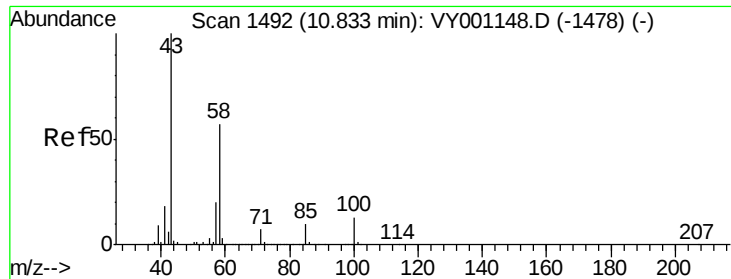
106 28.8 23.0 34.6



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V





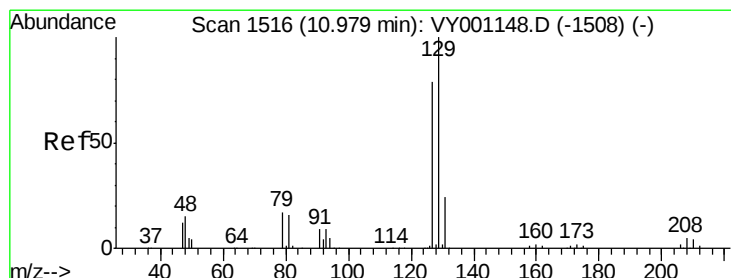
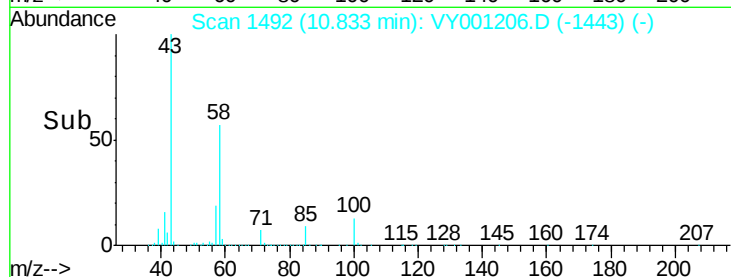
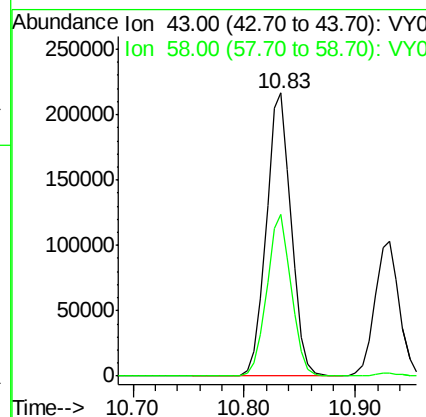
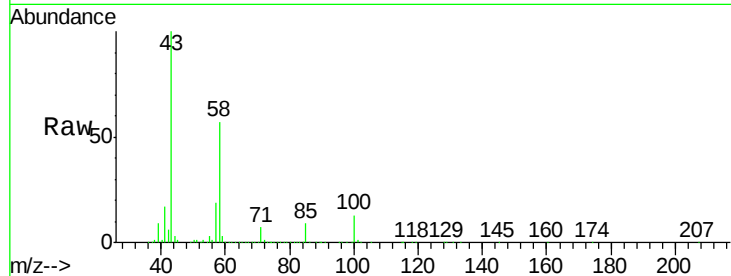
#59
2-Hexanone
Concen: 272.887 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	28.4	85.2

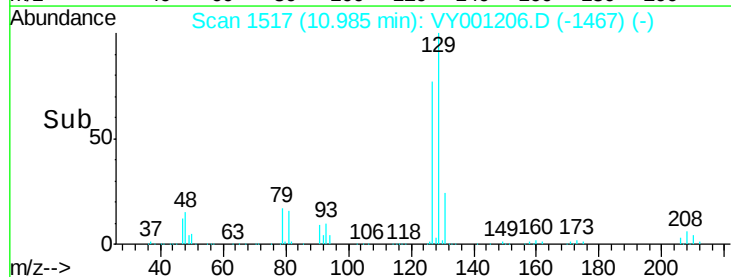
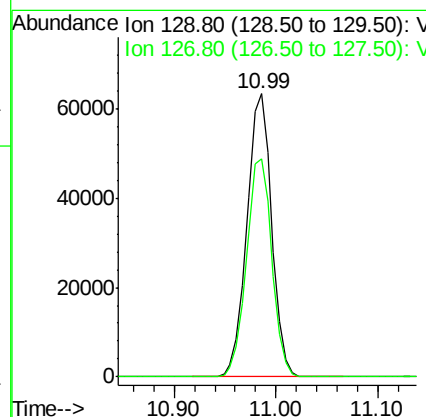
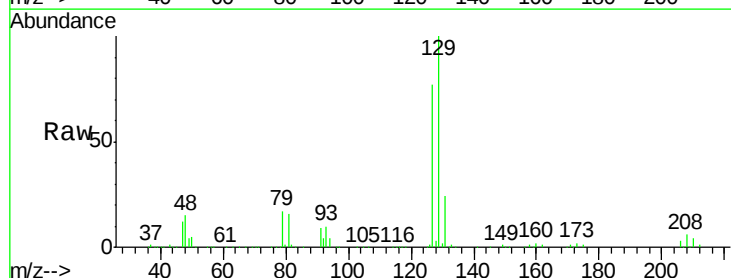
Manual Integrations
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1/15/2020 9:30:30 AM



#60
Dibromochloromethane
Concen: 51.496 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	38.9	116.7





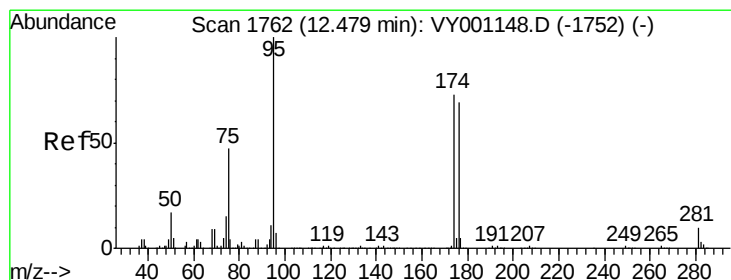
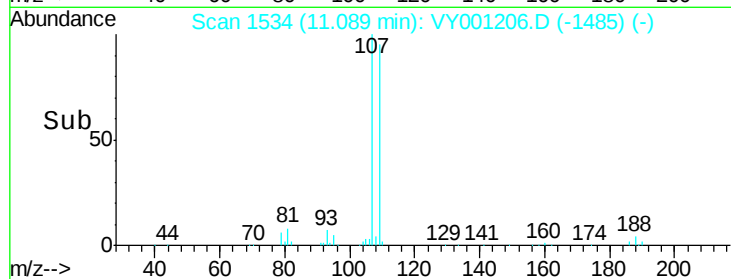
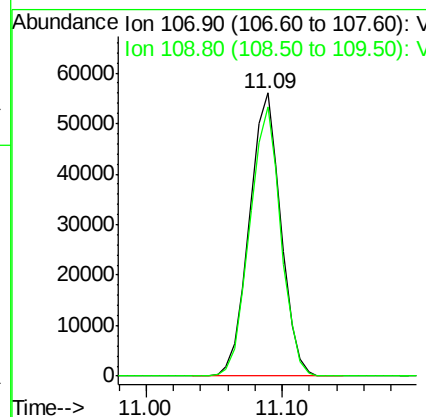
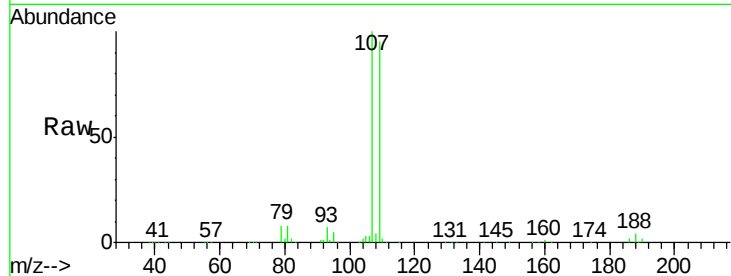
#61
 1,2-Dibromoethane
 Concen: 51.610 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.0

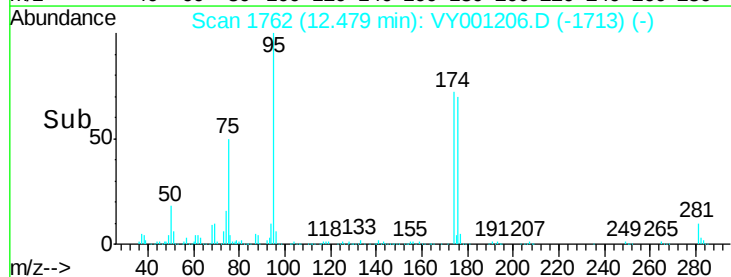
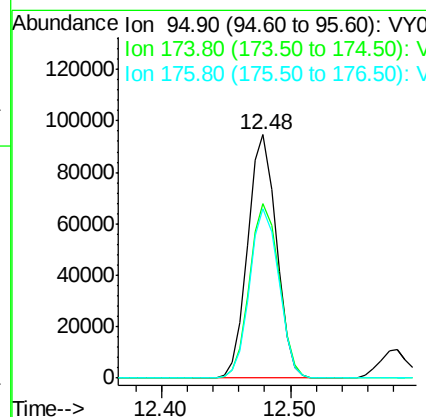
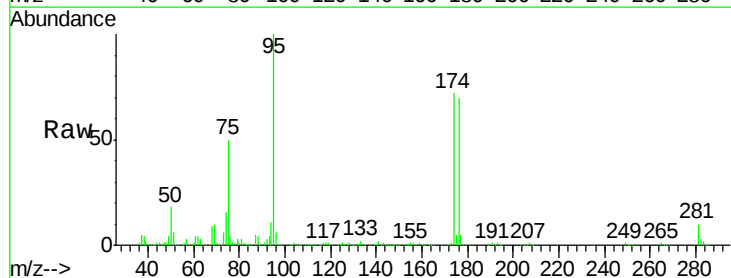
Manual Integrations
 APPROVED

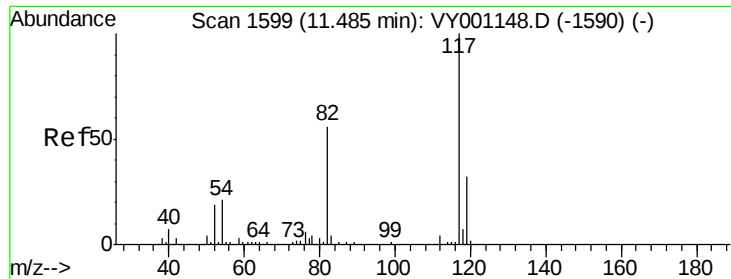
MMDadoda
 1/15/2020 9:30:30 AM



#62
 4-Bromofluorobenzene
 Concen: 46.450 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	143.2
176	70.7	0.0	136.0





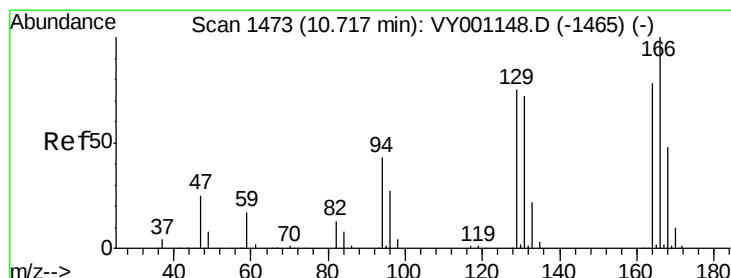
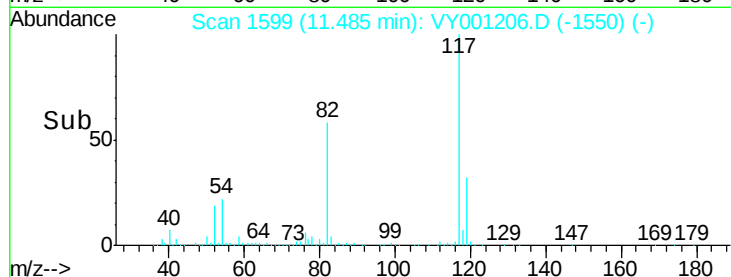
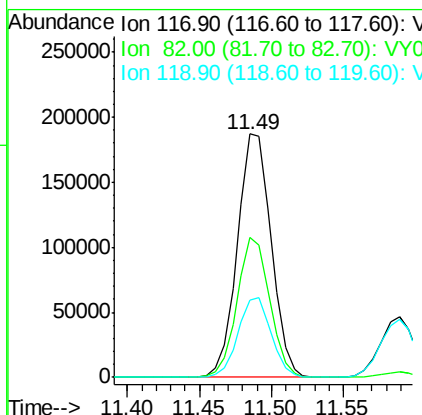
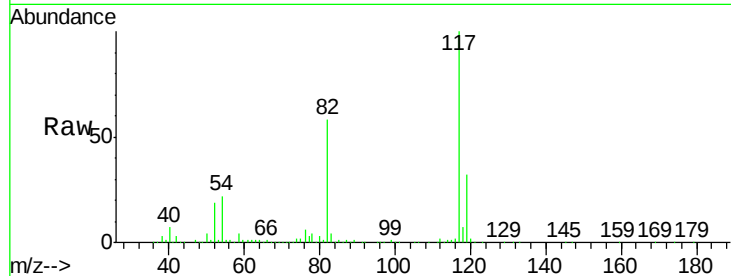
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	44.9	67.3
119	31.8	25.7	38.5

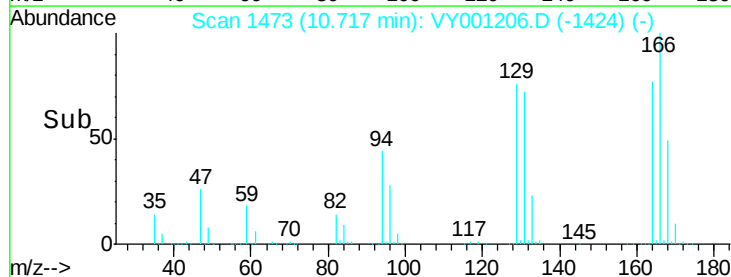
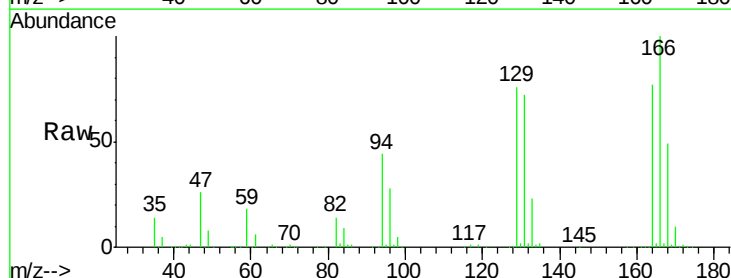
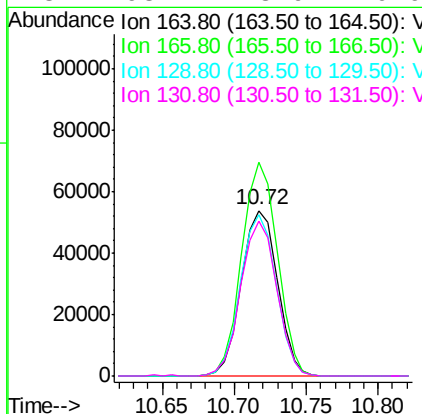
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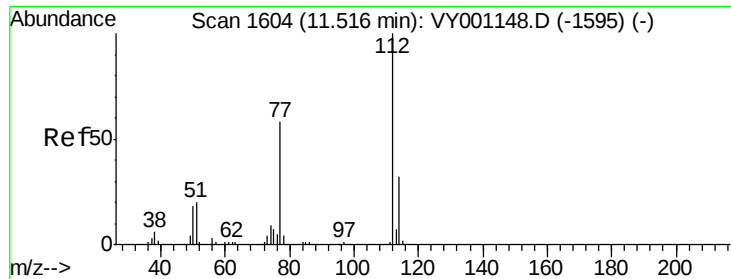
MMDadoda
1/15/2020 9:30:30 AM



#64
Tetrachloroethene
Concen: 47.717 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	102.3	153.5
129	97.5	76.2	114.4
131	93.1	73.9	110.9





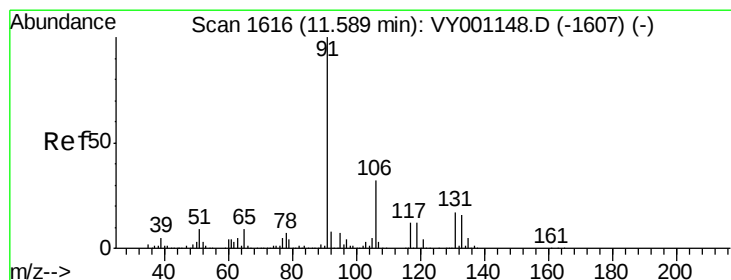
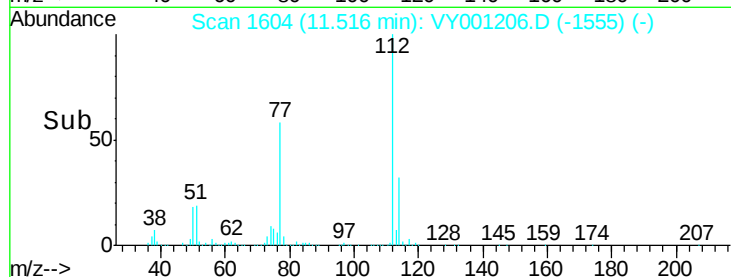
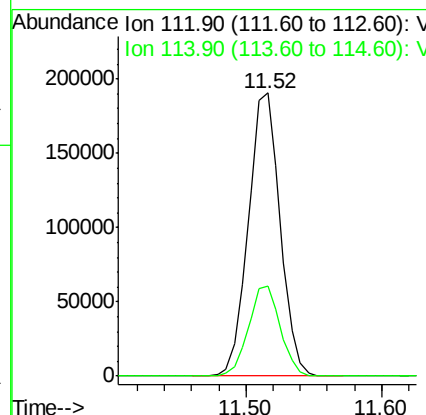
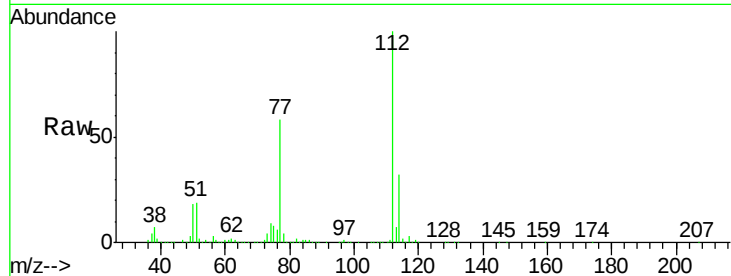
#65
Chlorobenzene
Concen: 50.977 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.9	38.9

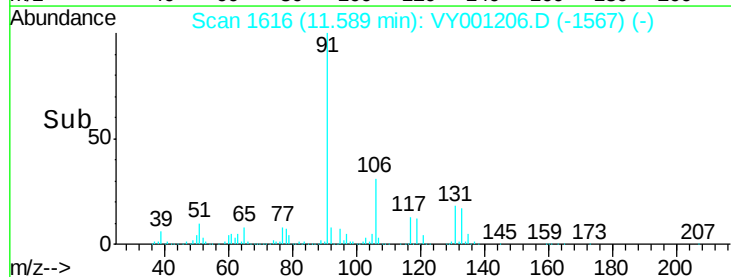
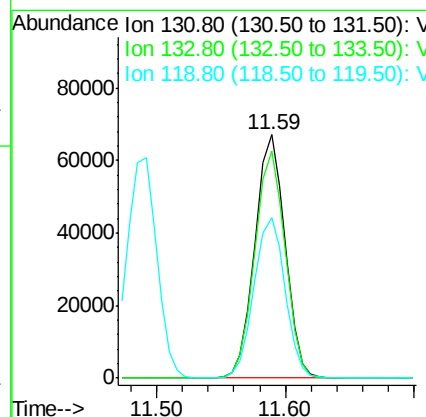
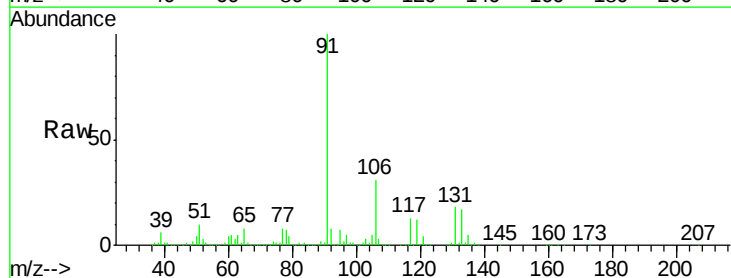
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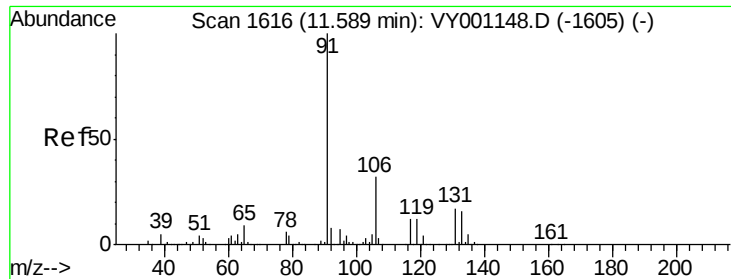
MMDadoda
1/15/2020 9:30:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.482 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	142.0
119	67.8	33.6	100.8





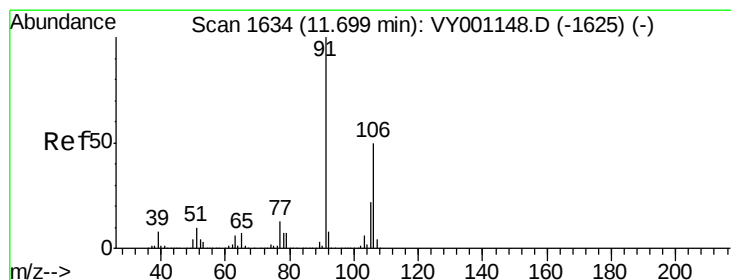
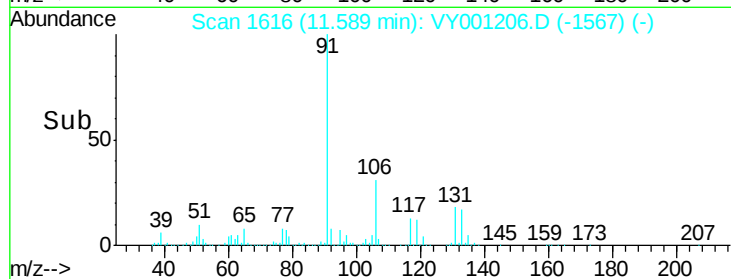
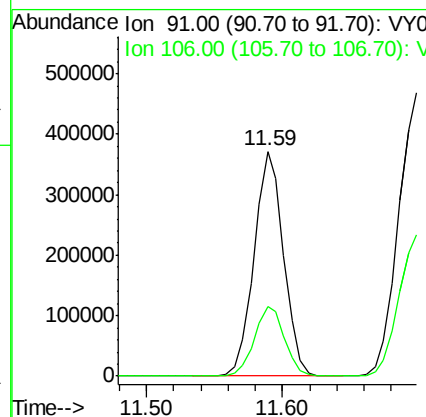
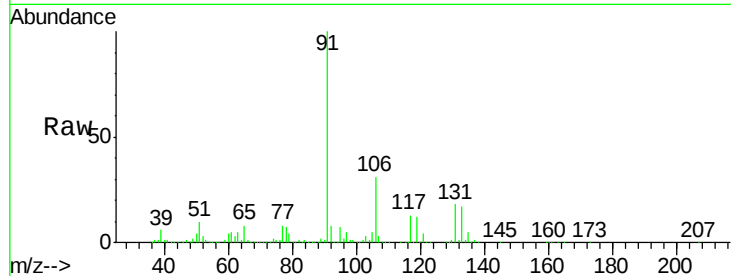
#67
Ethyl Benzene
Concen: 50.507 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 563371
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9

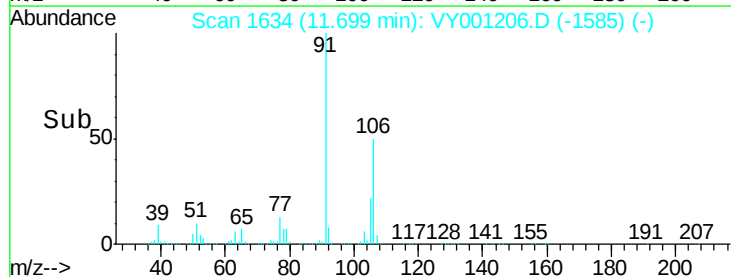
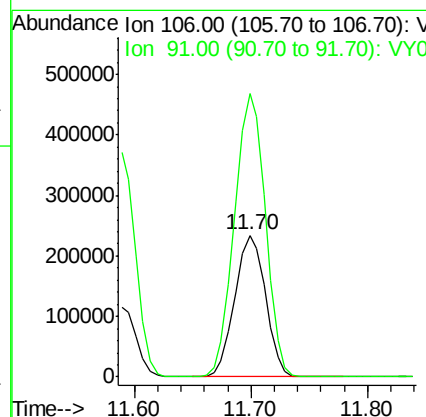
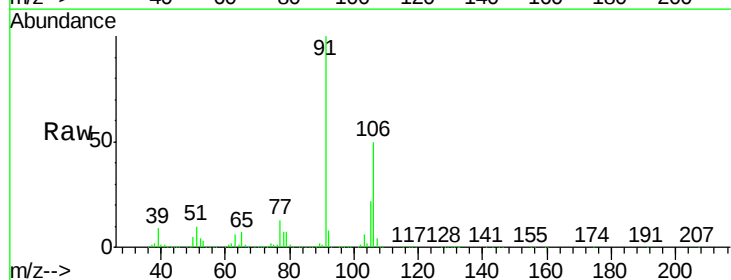
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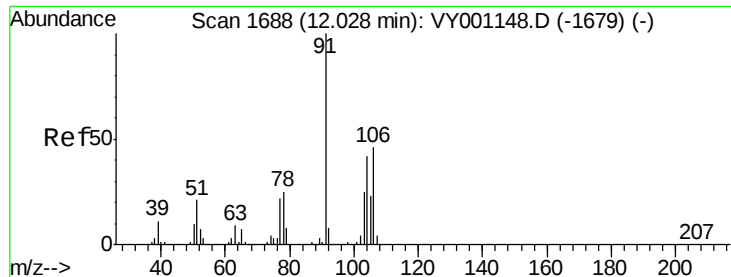
MMDadoda
1/15/2020 9:30:30 AM



#68
m/p-Xylenes
Concen: 102.498 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion: 106 Resp: 431286
Ion Ratio Lower Upper
106 100
91 200.6 161.4 242.2





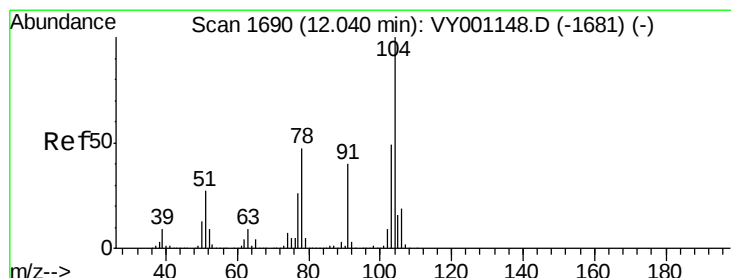
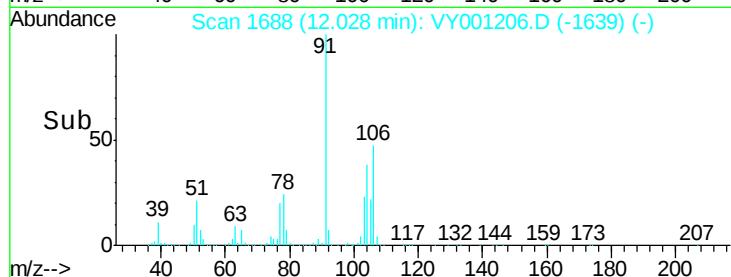
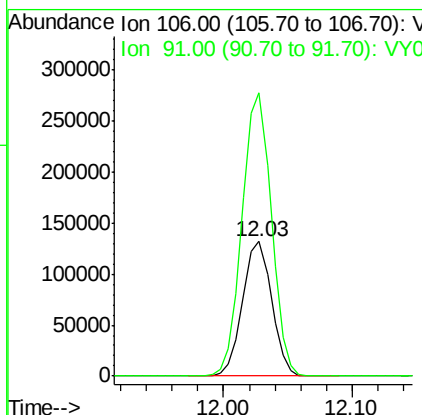
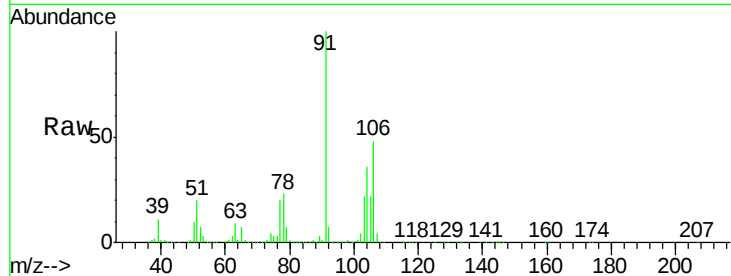
#69
o-Xylene
Concen: 51.072 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 206038
Ion Ratio Lower Upper
106 100
91 211.3 106.3 318.8

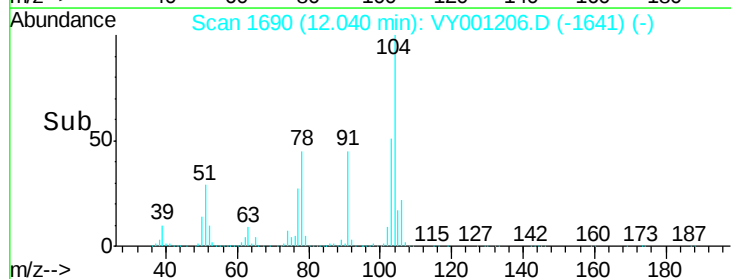
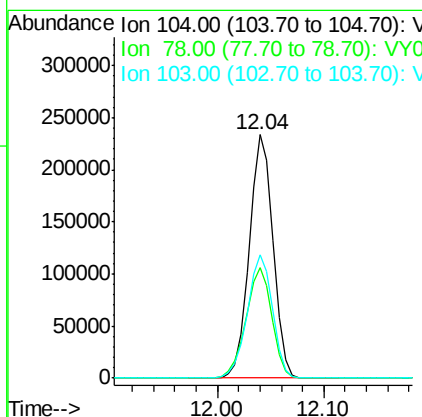
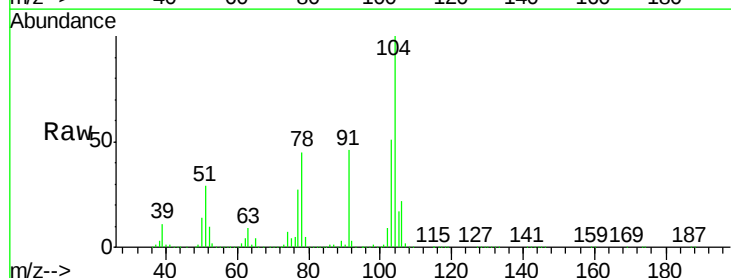
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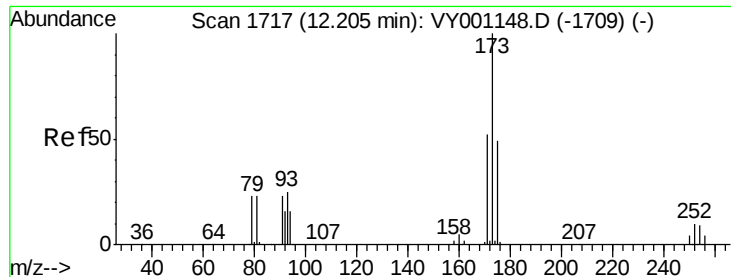
MMDadoda
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#70
Styrene
Concen: 51.624 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion:104 Resp: 365427
Ion Ratio Lower Upper
104 100
78 49.4 40.5 60.7
103 53.9 42.4 63.6





#71

Bromoform

Concen: 51.457 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 66689

Ion Ratio Lower Upper

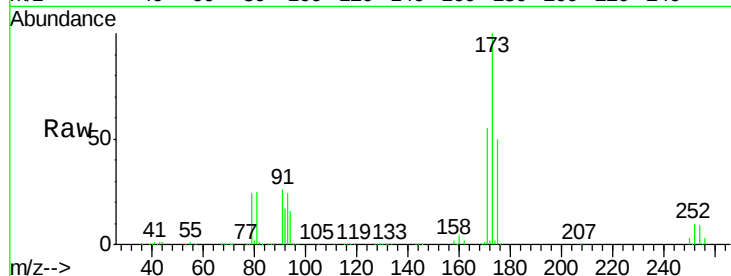
173 100

175 47.7 24.1 72.2

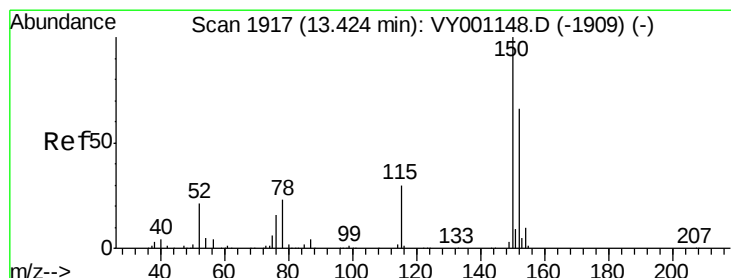
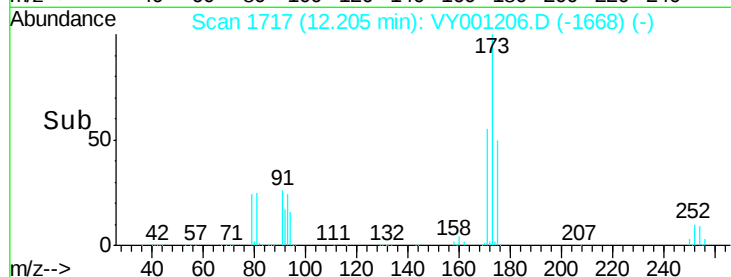
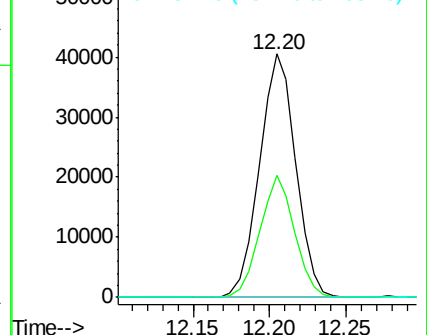
254 0.1 0.1 0.1

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

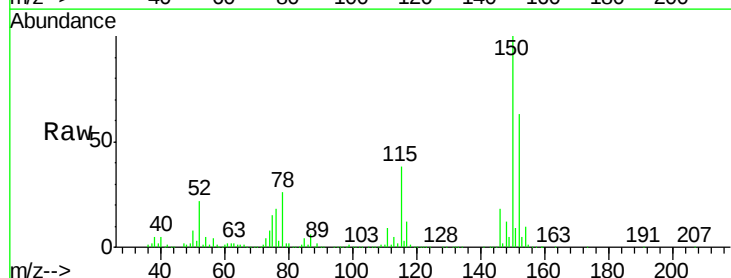
Tgt Ion:152 Resp: 148906

Ion Ratio Lower Upper

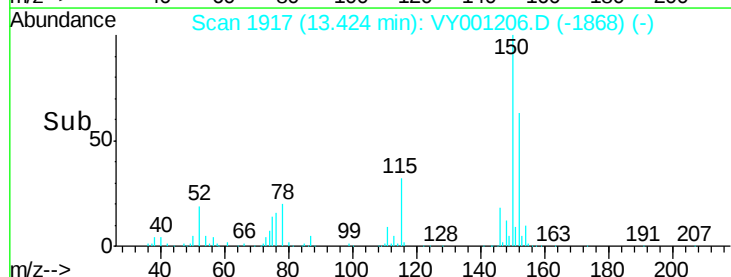
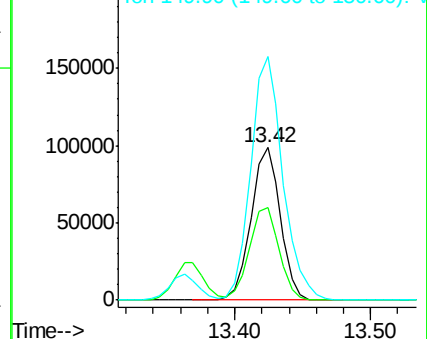
152 100

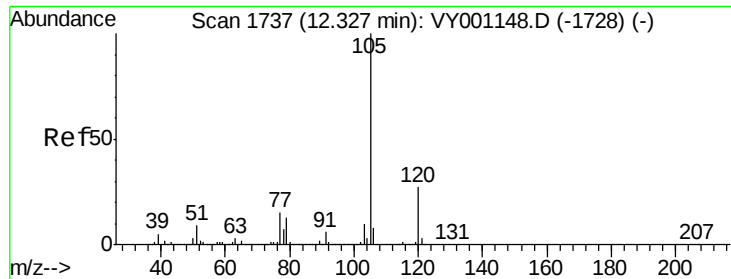
115 61.2 30.9 92.5

150 175.0 0.0 346.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





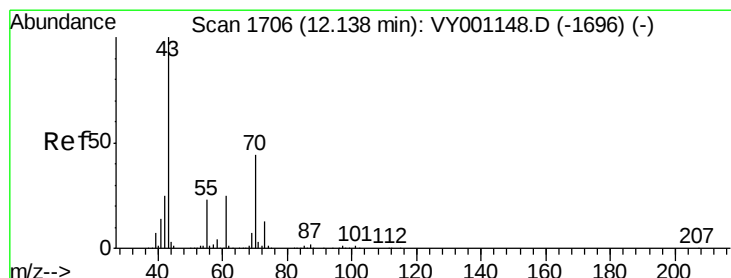
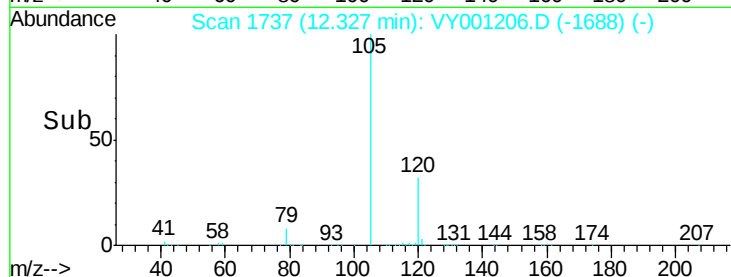
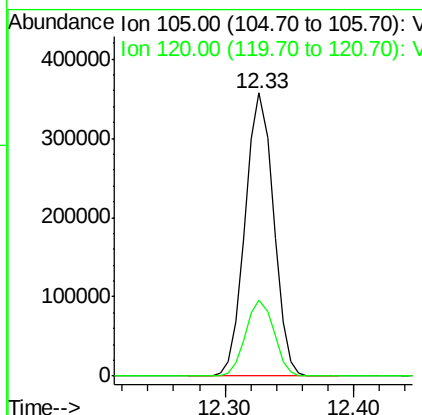
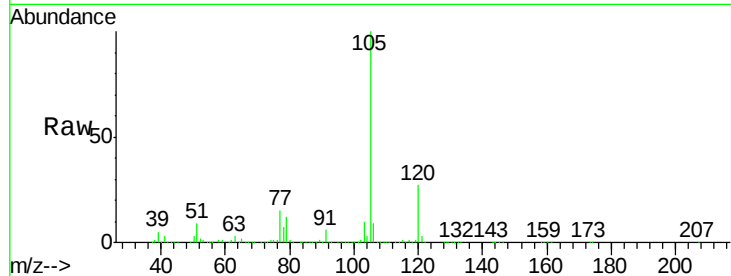
#73
Isopropylbenzene
Concen: 48.576 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.4	40.2

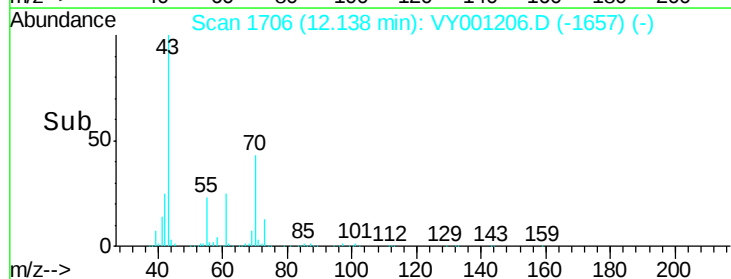
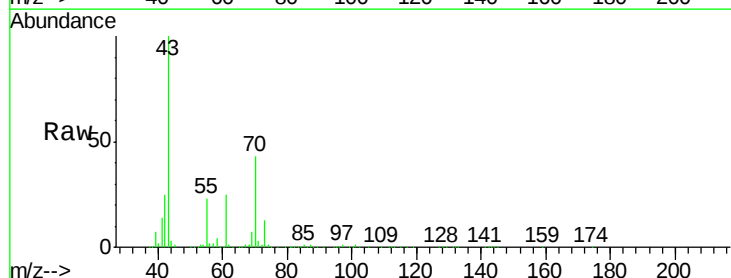
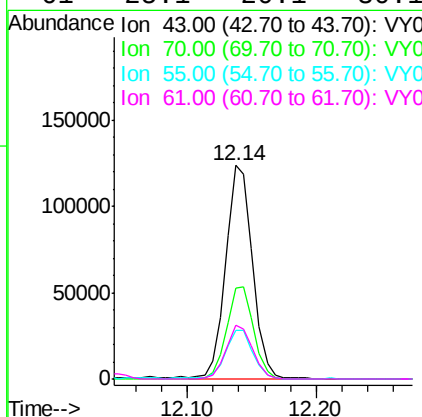
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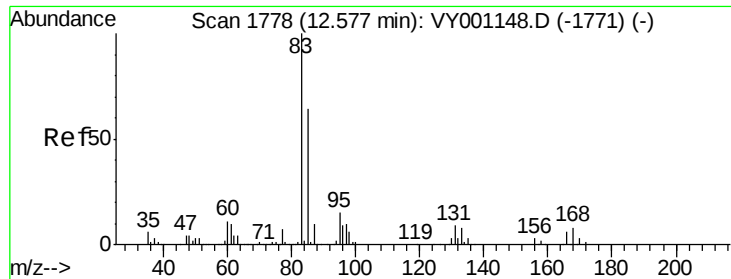
MMDadoda
1/15/2020 9:30:30 AM



#74
N-ethyl acetate
Concen: 51.348 ug/l
RT: 12.14 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	35.0	52.6
55	23.1	18.4	27.6
61	25.1	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 50.246 ug/l

RT: 12.58 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

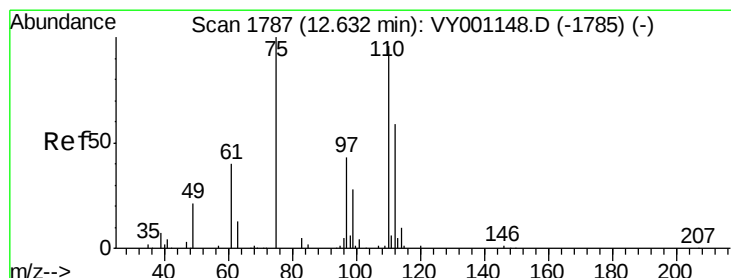
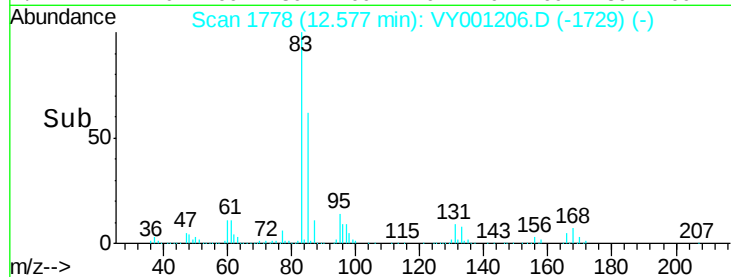
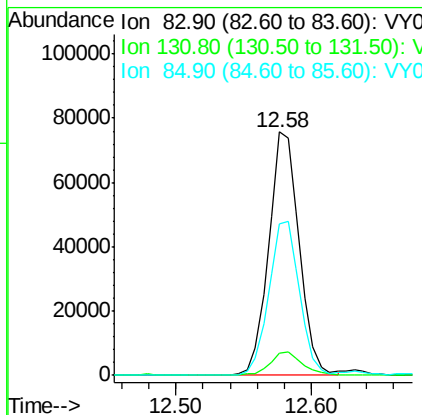
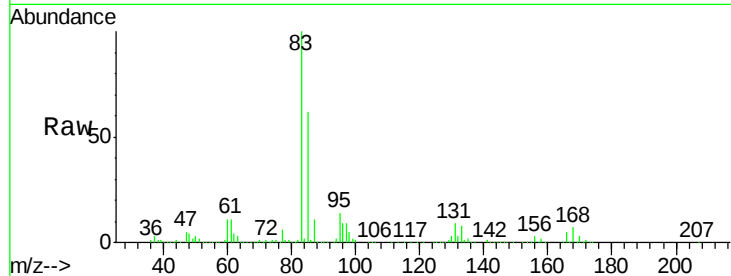
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	118340
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.1	15.3
85	63.5	32.2	96.6

Manual Integrations
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1/15/2020 9:30:30 AM



#76

1,2,3-Trichloropropane

Concen: 59.704 ug/l m

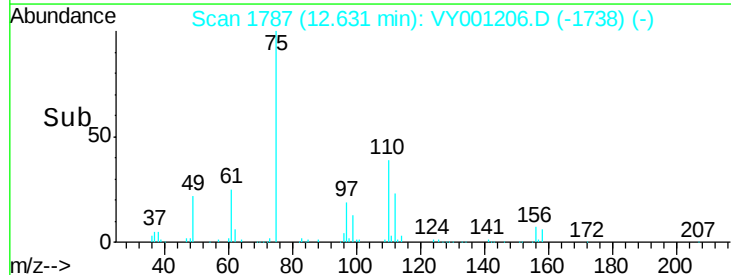
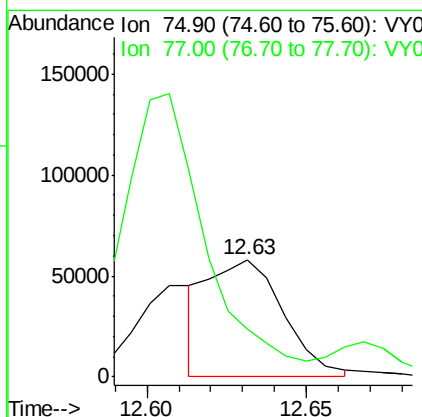
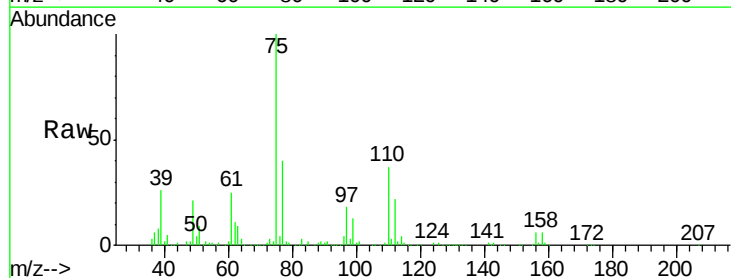
RT: 12.63 min Scan# 1787

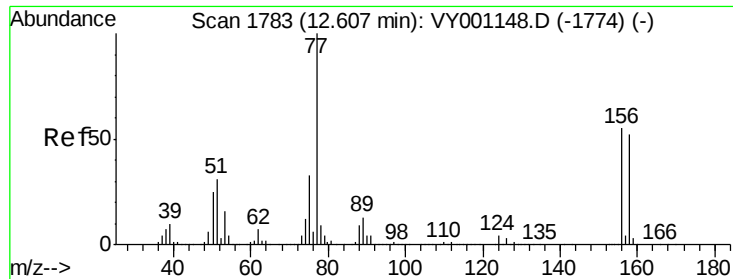
Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Tgt Ion:	75	Resp:	95172
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.177 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

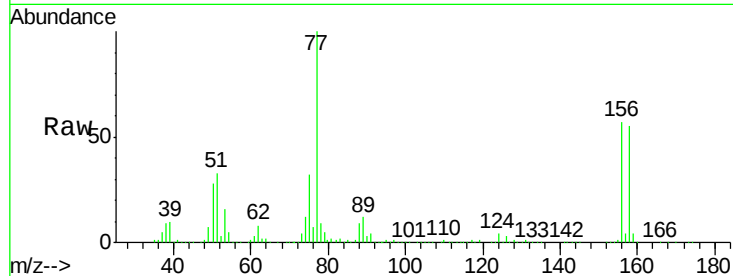
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	124115
Ion Ratio	Lower	Upper	
156	100		
77	206.2	106.7	320.1
158	96.9	48.3	144.8

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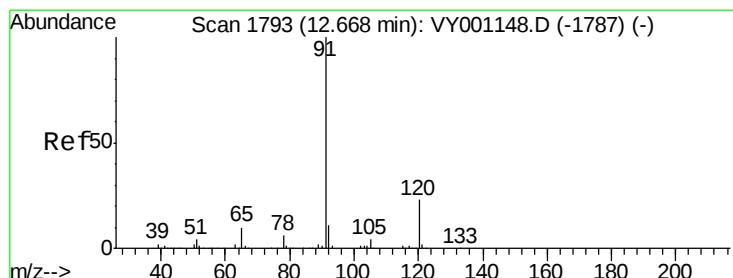
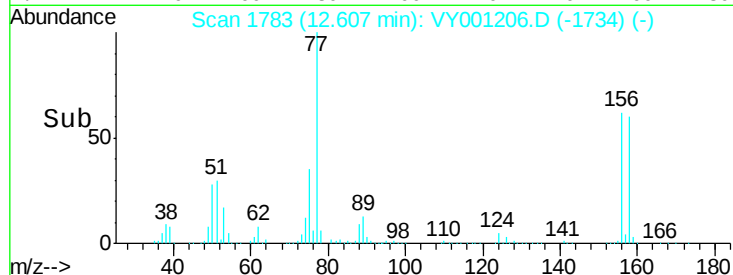
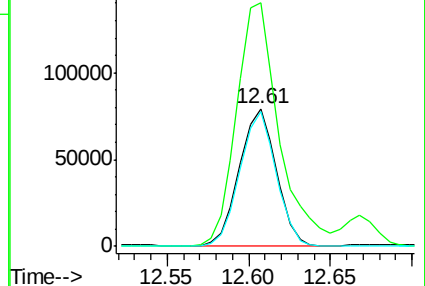
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.219 ug/l

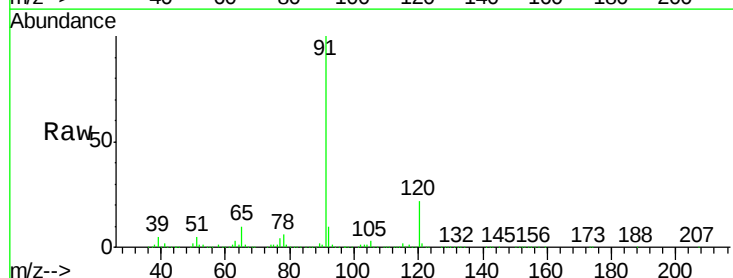
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001206.D

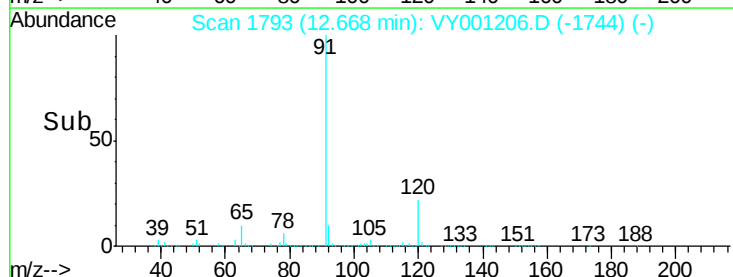
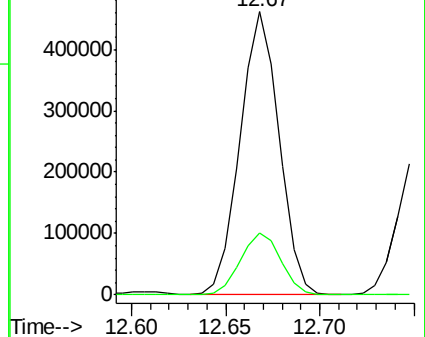
Acq: 14 Jan 2020 16:12

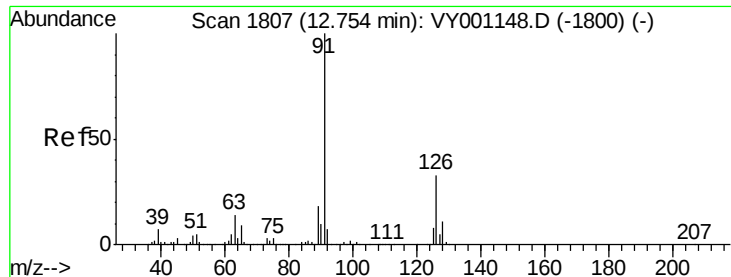
Tgt Ion:	91	Resp:	662737
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.556 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 383219

Ion Ratio Lower Upper

91 100

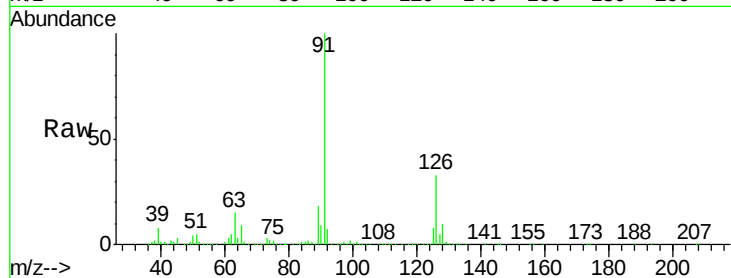
126 33.2 16.4 49.4

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

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

400000

300000

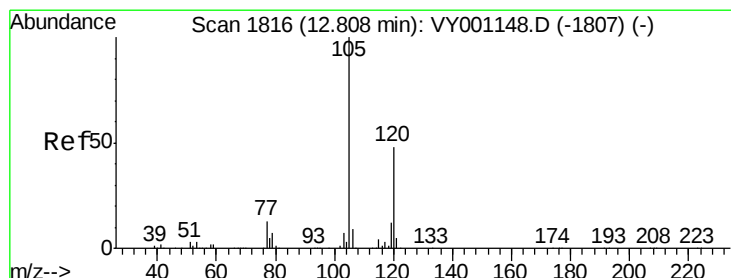
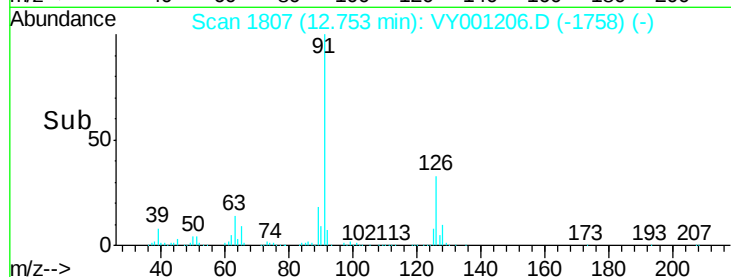
200000

100000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.997 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001206.D

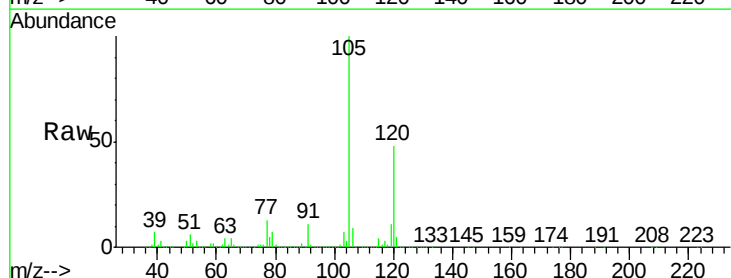
Acq: 14 Jan 2020 16:12

Tgt Ion: 105 Resp: 466990

Ion Ratio Lower Upper

105 100

120 48.7 24.2 72.6



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

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

300000

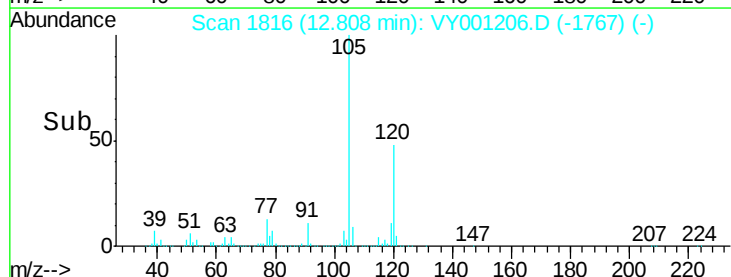
200000

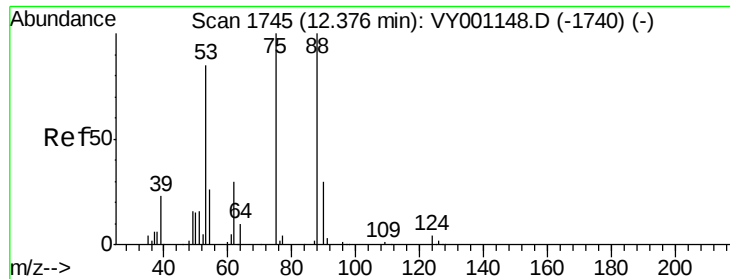
100000

0

12.70 12.80

Time-->





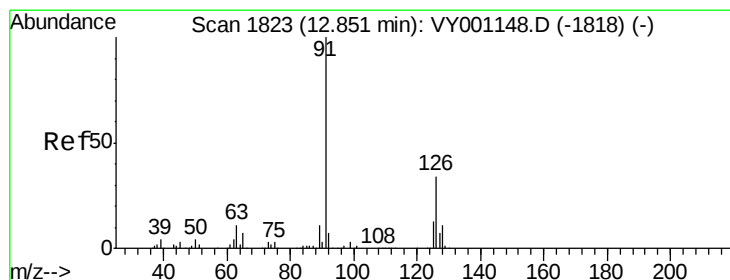
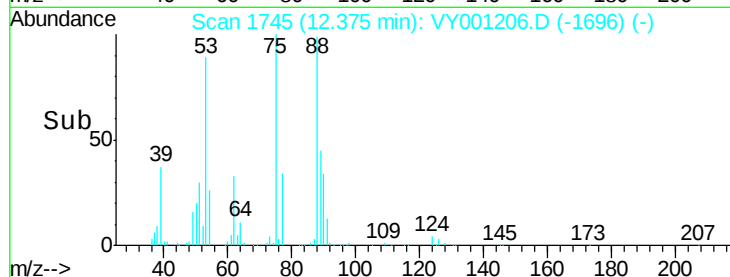
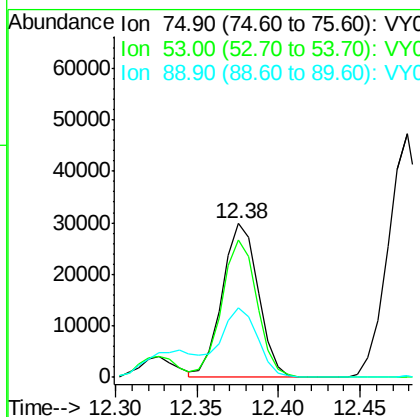
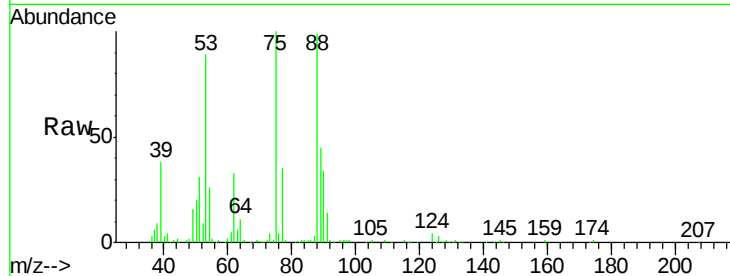
#81
trans-1,4-Dichloro-2-butene
Concen: 48.513 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.7	69.4	104.2
89	47.3	0.0	0.0#

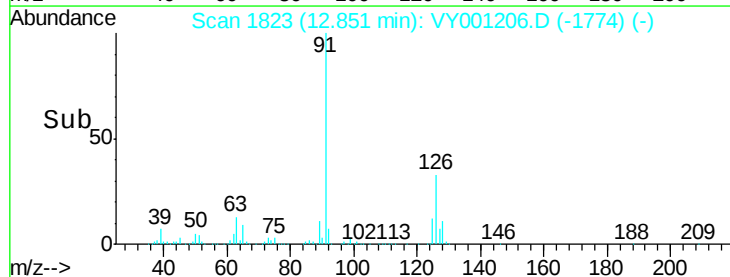
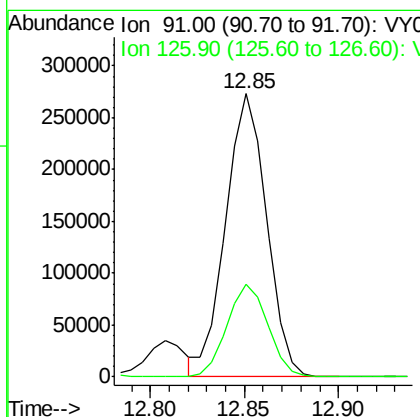
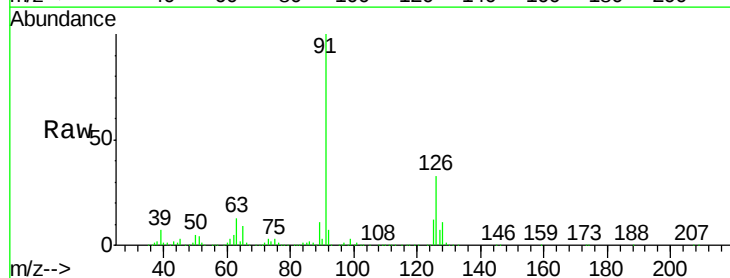
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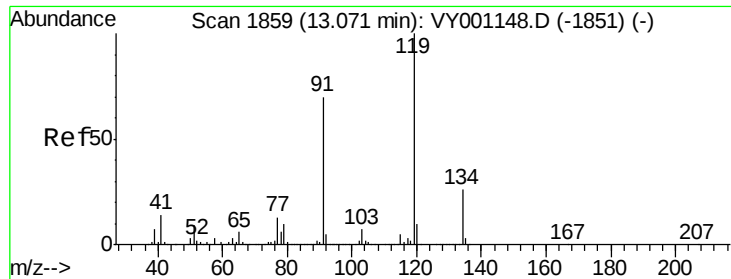
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#82
4-Chlorotoluene
Concen: 49.713 ug/l
RT: 12.85 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.3	48.8





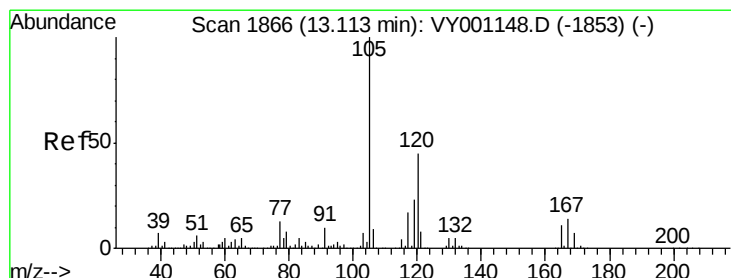
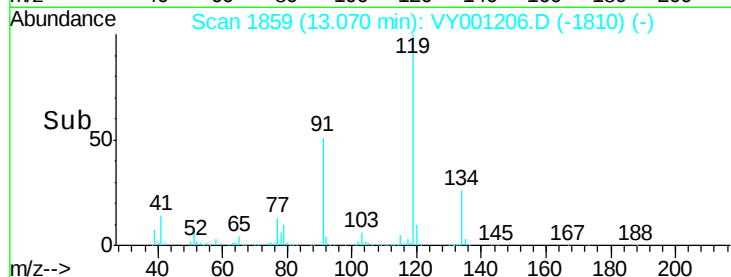
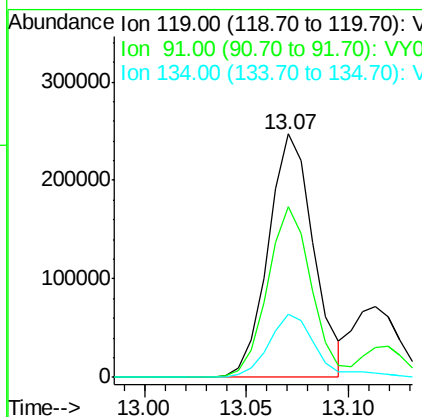
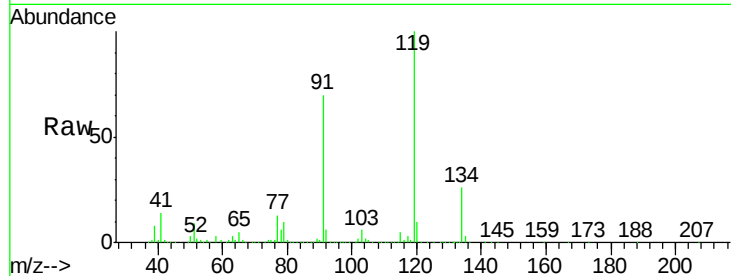
#83
 tert-Butylbenzene
 Concen: 48.750 ug/l
 RT: 13.07 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	33.9	101.7
134	27.2	13.5	40.4

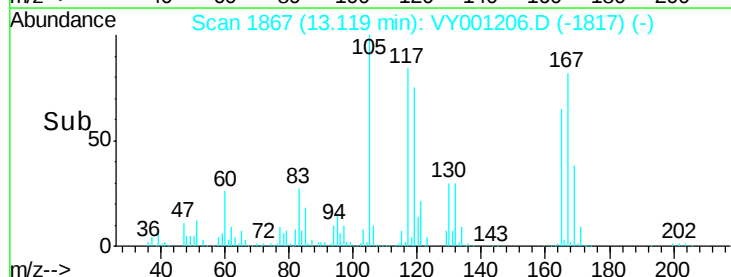
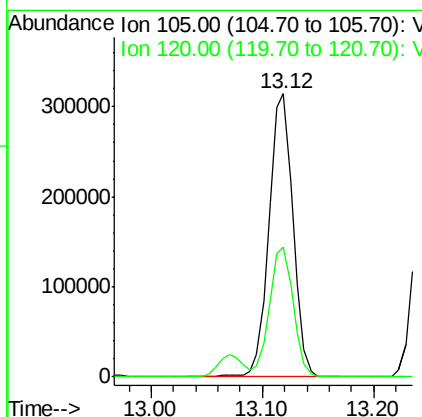
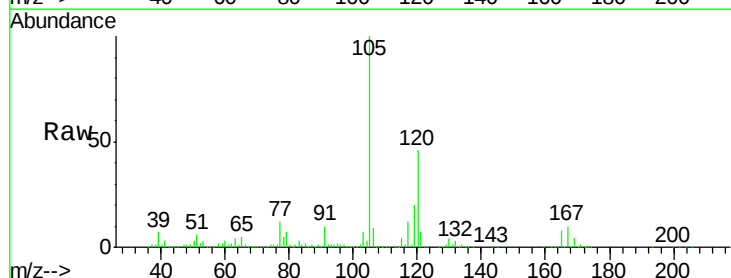
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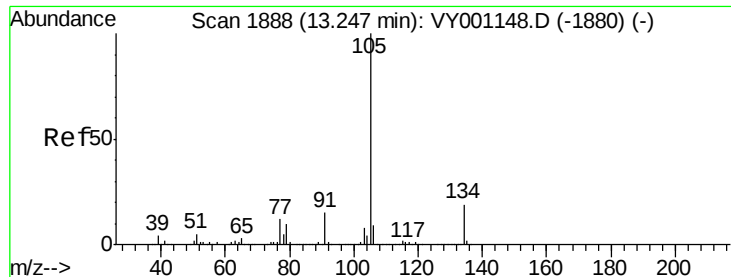
MMDadoda
 1/15/2020 9:30:30 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.665 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.8	68.3





#85

sec-Butylbenzene

Concen: 49.377 ug/l

RT: 13.25 min Scan# 1888

Delta R.T. -0.00 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 557496

Ion Ratio Lower Upper

105 100

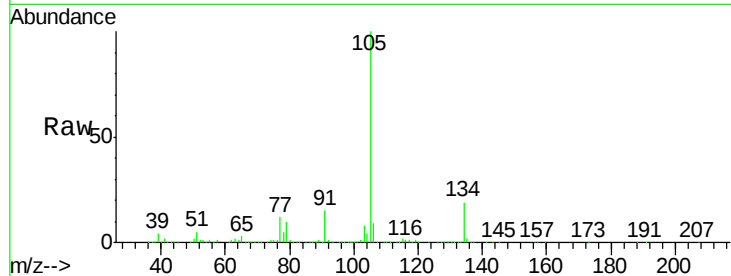
134 19.7 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

400000

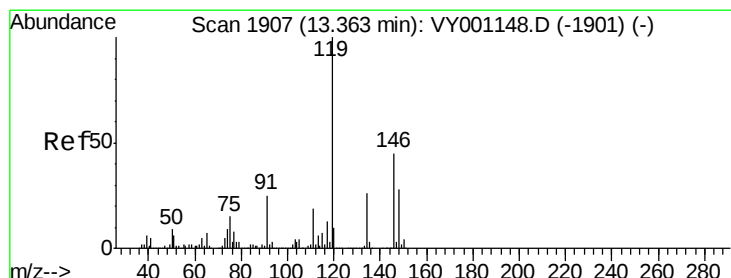
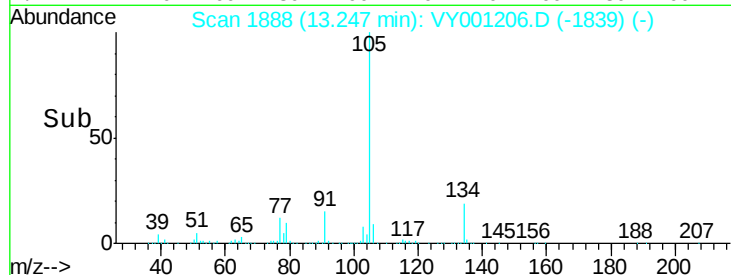
300000

200000

100000

0

Time--> 13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 50.496 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001206.D

Acq: 14 Jan 2020 16:12

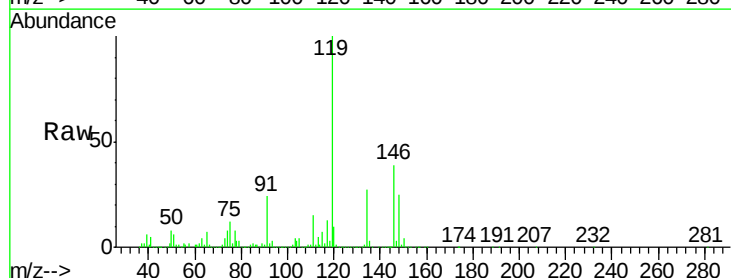
Tgt Ion:119 Resp: 495013

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 24.5 12.4 37.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

400000

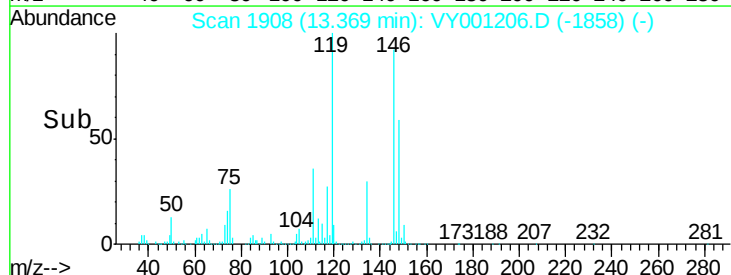
300000

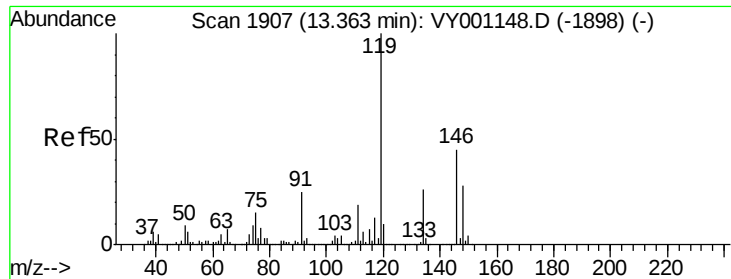
200000

100000

0

Time--> 13.30 13.35 13.40





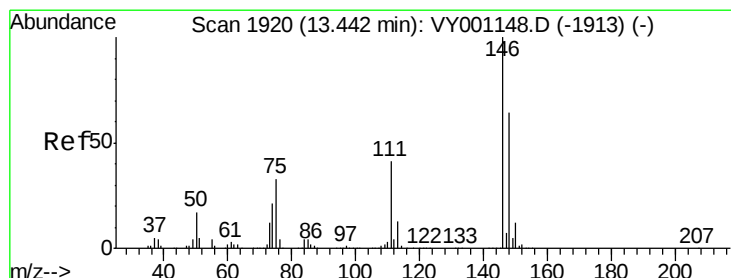
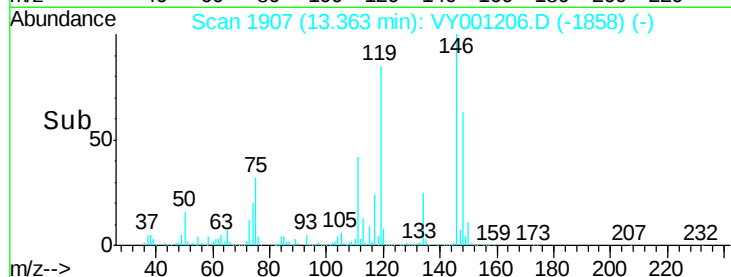
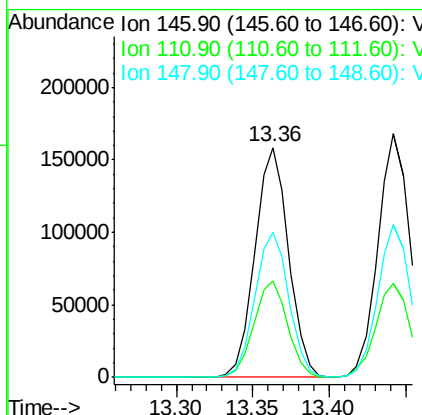
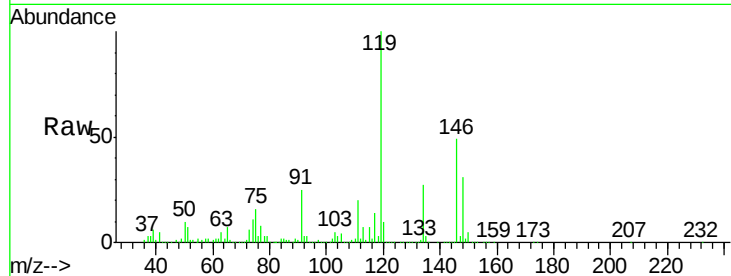
#87
 1,3-Dichlorobenzene
 Concen: 51.805 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.3	64.0
148	63.7	31.9	95.5

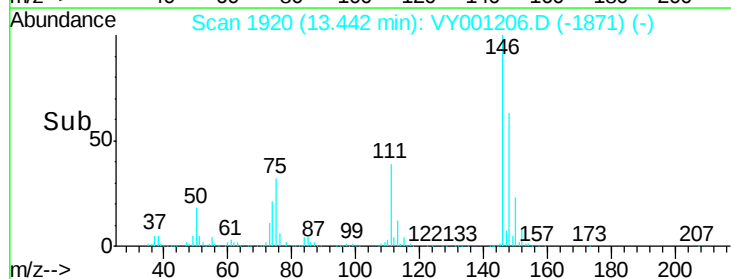
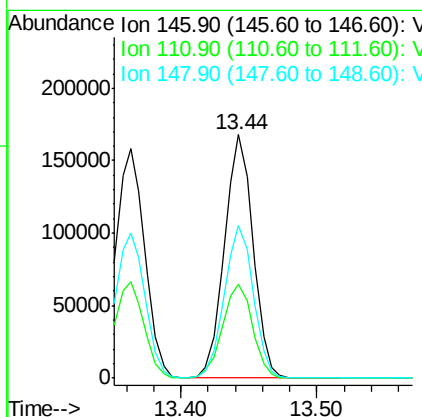
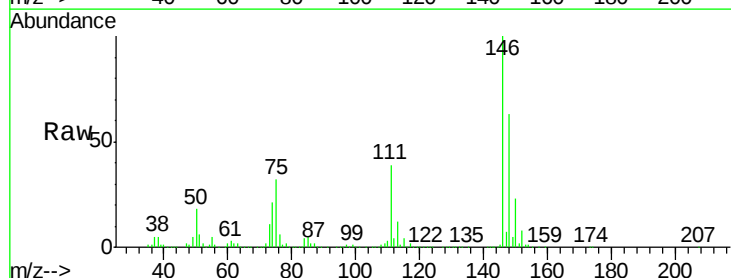
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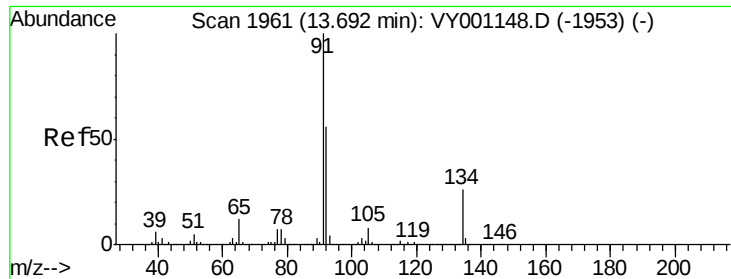
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#88
 1,4-Dichlorobenzene
 Concen: 50.770 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.8	62.5
148	63.8	32.0	96.2





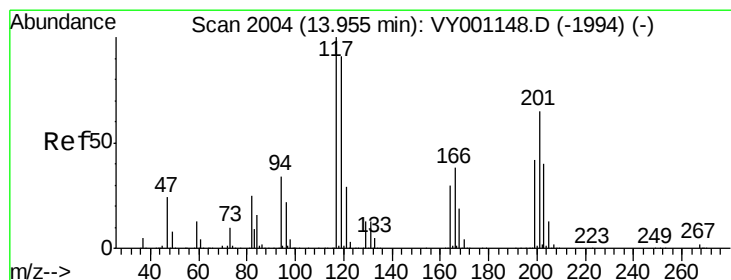
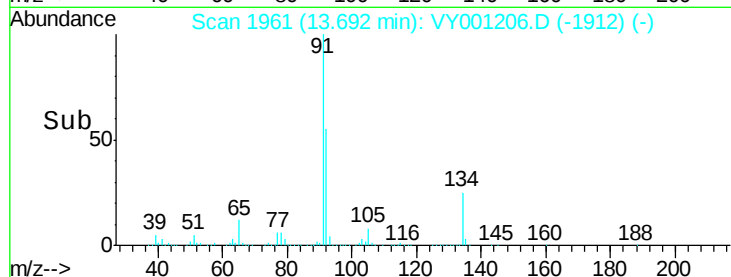
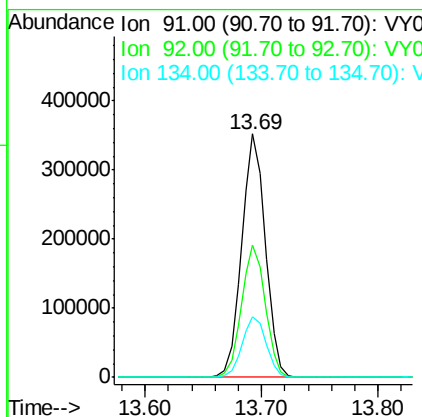
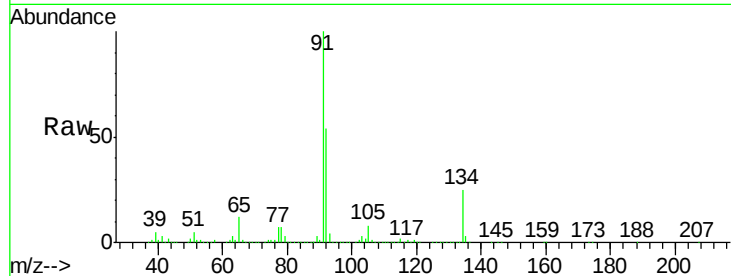
#89
n-Butylbenzene
Concen: 50.446 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.7	83.1
134	25.6	12.9	38.6

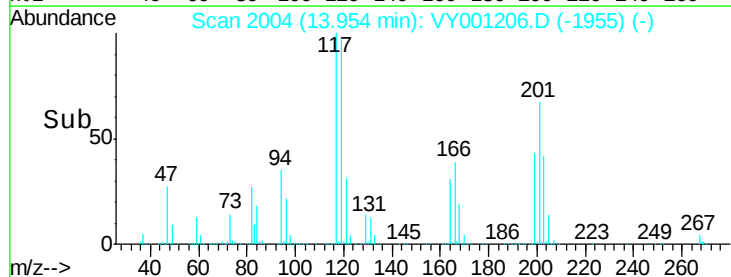
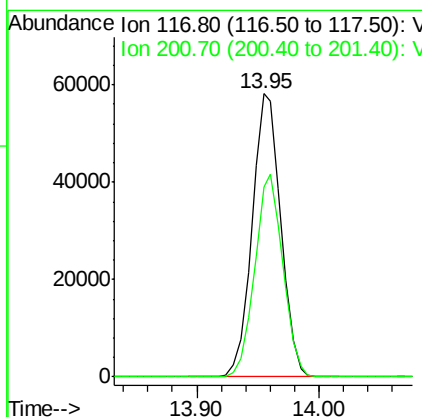
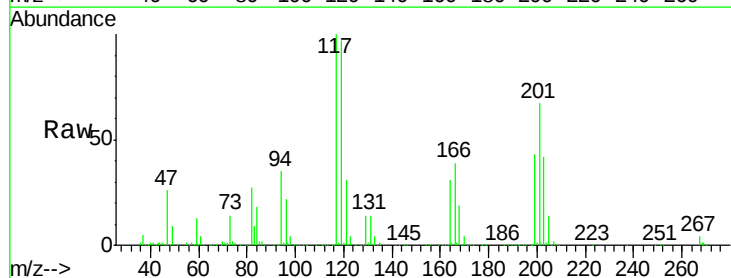
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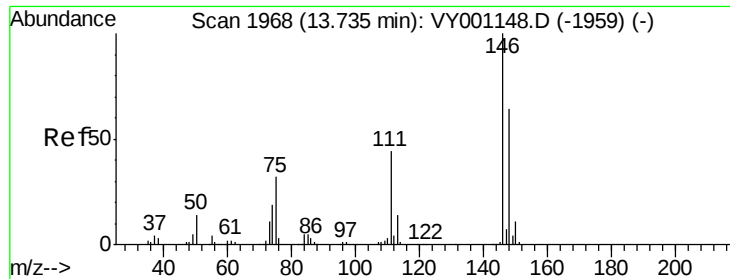
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1/15/2020 9:30:30 AM



#90
Hexachloroethane
Concen: 49.433 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.4	106.2





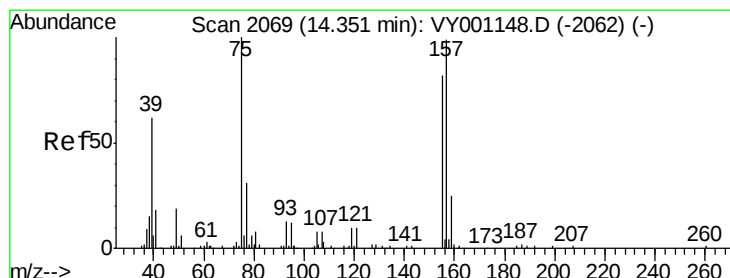
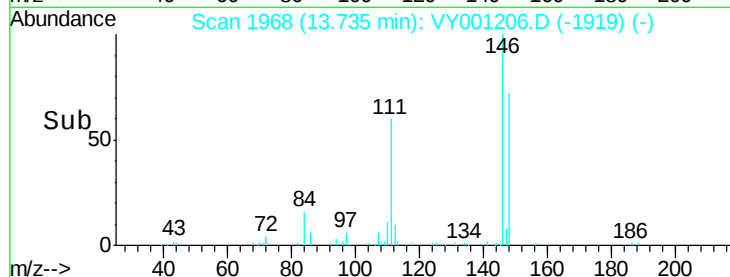
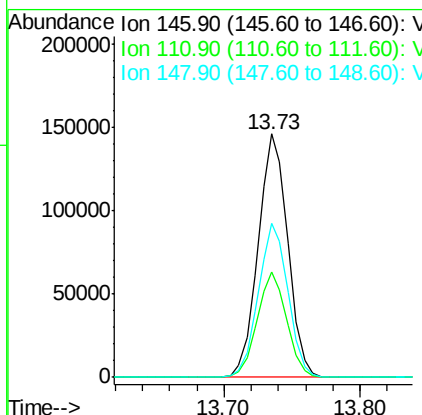
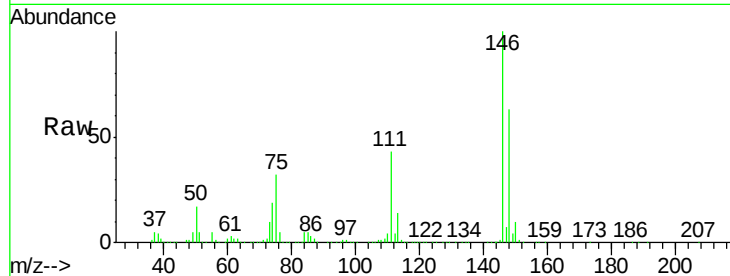
#91
 1,2-Dichlorobenzene
 Concen: 51.376 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	22.0	66.0
148	63.2	32.1	96.3

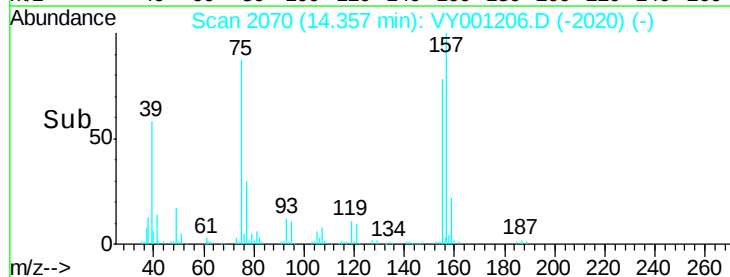
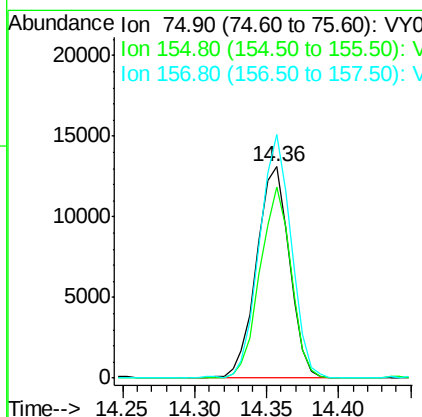
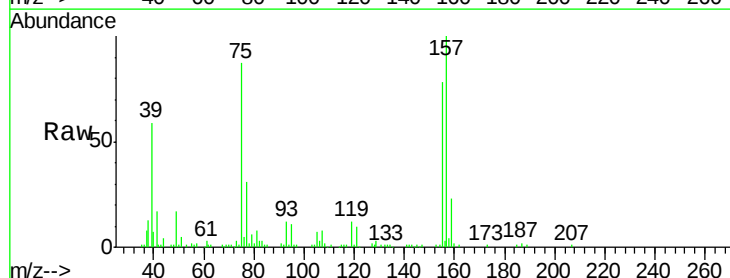
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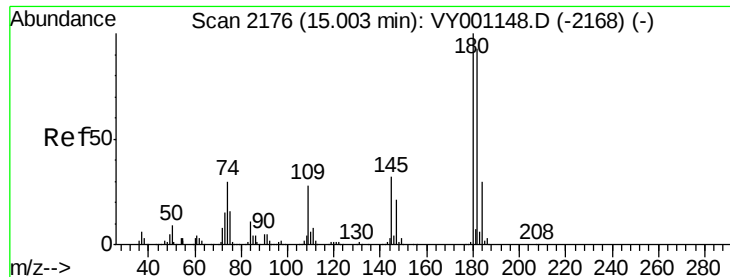
MMDadoda
 1/15/2020 9:30:30 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.690 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	41.2	123.6
157	111.5	52.8	158.4





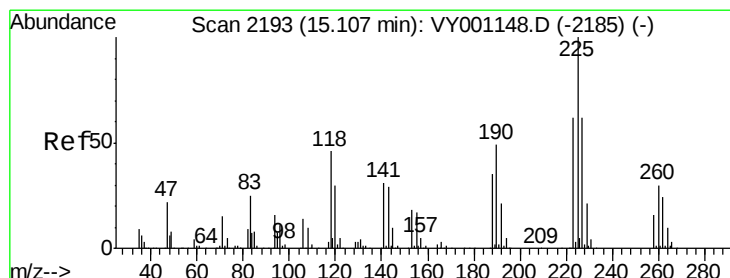
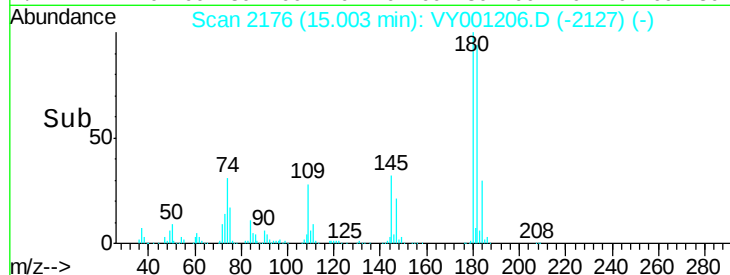
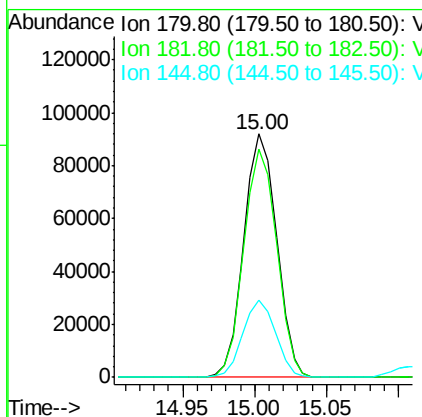
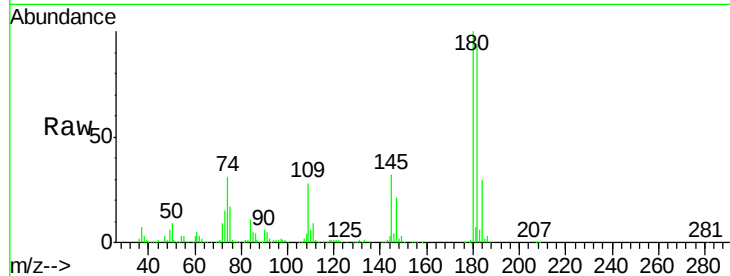
#93
 1,2,4-Trichlorobenzene
 Concen: 50.907 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145821		
182	93.9	46.9	140.8	
145	31.8	16.0	48.0	

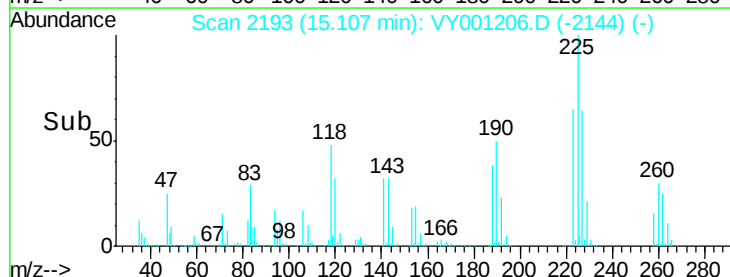
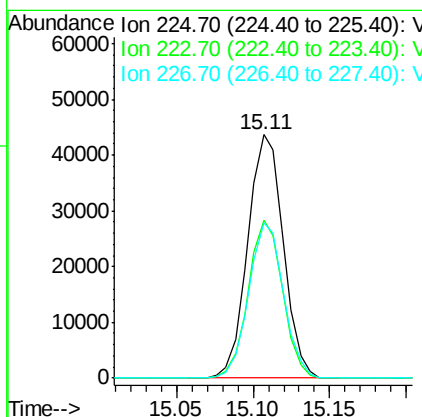
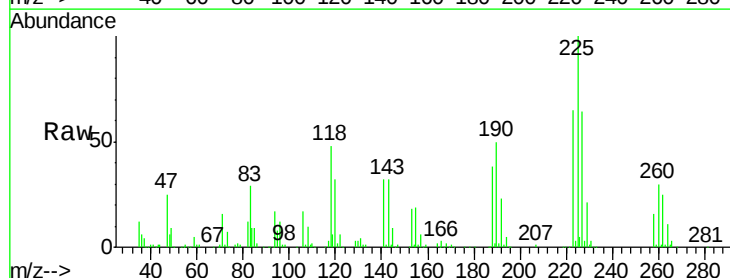
Manual Integrations
 APPROVED

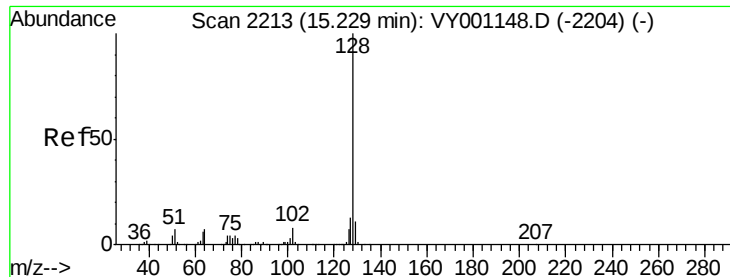
MMDadoda
 1/15/2020 9:30:30 AM



#94
 Hexachlorobutadiene
 Concen: 48.884 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001206.D
 Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70544		
223	62.5	31.1	93.3	
227	62.4	31.3	93.9	





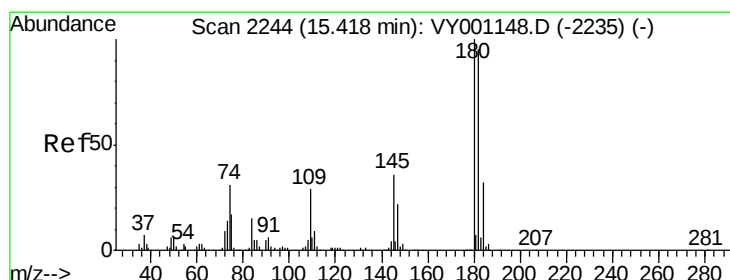
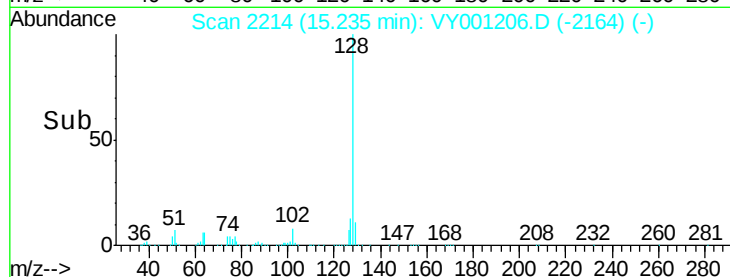
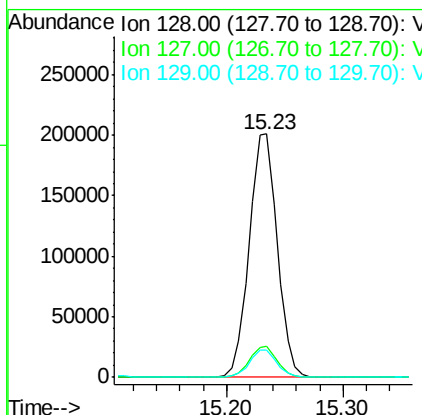
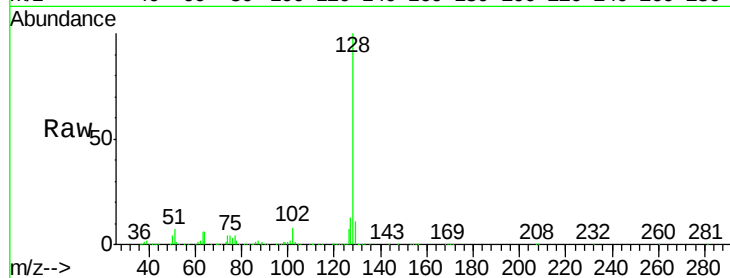
#95
Naphthalene
Concen: 50.747 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.1	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/15/2020 9:30:30 AM



#96
1,2,3-Trichlorobenzene
Concen: 50.180 ug/l
RT: 15.42 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VY001206.D
Acq: 14 Jan 2020 16:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	33.9	17.1	51.3

