

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001971.D
 Acq On : 16 Mar 2020 10:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:06:26 PM

Quant Time: Mar 17 08:14:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	175618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	317338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	131805	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	91090	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
35) Dibromofluoromethane	7.75	113	88003	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.20	98	364000	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.49	95	126347	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	74430	45.914	ug/l	97
3) Chloromethane	2.13	50	104258	47.703	ug/l	98
4) Vinyl Chloride	2.27	62	109150	49.098	ug/l	98
5) Bromomethane	2.68	94	70371	54.752	ug/l	98
6) Chloroethane	2.82	64	69448	49.730	ug/l	93
7) Trichlorofluoromethane	3.16	101	153327	50.855	ug/l	99
8) Diethyl Ether	3.57	74	60565	50.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.94	101	101182	52.177	ug/l	99
10) Methyl Iodide	4.13	142	120948	53.933	ug/l	100
11) Tert butyl alcohol	5.00	59	44798	227.585	ug/l	100
12) 1,1-Dichloroethene	3.91	96	100185	51.310	ug/l	98
13) Acrolein	3.77	56	61268	232.552	ug/l	99
14) Allyl chloride	4.52	41	180487	52.141	ug/l	100
15) Acrylonitrile	5.21	53	159263	250.815	ug/l	99
16) Acetone	3.99	43	155252	284.310	ug/l	97
17) Carbon Disulfide	4.24	76	316169	48.169	ug/l	99
18) Methyl Acetate	4.52	43	68442	48.780	ug/l	99
19) Methyl tert-butyl Ether	5.26	73	277011	52.352	ug/l	95
20) Methylene Chloride	4.77	84	113371	48.442	ug/l	99
21) trans-1,2-Dichloroethene	5.27	96	113430	51.182	ug/l	96
22) Diisopropyl ether	6.16	45	369550	52.083	ug/l	96
23) Vinyl Acetate	6.10	43	1203494	258.729	ug/l	99
24) 1,1-Dichloroethane	6.07	63	199906	52.026	ug/l	99
25) 2-Butanone	7.03	43	221038	266.177	ug/l	99
26) 2,2-Dichloropropane	7.02	77	168026	53.278	ug/l	98
27) cis-1,2-Dichloroethene	7.03	96	126770	52.586	ug/l	100
28) Bromochloromethane	7.37	49	84060	48.535	ug/l	98
29) Tetrahydrofuran	7.38	42	134677	244.224	ug/l	99
30) Chloroform	7.54	83	192251	53.254	ug/l	100
31) Cyclohexane	7.82	56	199295	48.374	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	161805	53.178	ug/l	99
36) 1,1-Dichloropropene	7.95	75	157891	51.704	ug/l	99
37) Ethyl Acetate	7.11	43	88838	50.054	ug/l	98
38) Carbon Tetrachloride	7.93	117	139994	53.665	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	210385	51.943	ug/l	99
40) Benzene	8.19	78	474545	52.428	ug/l	99
41) Methacrylonitrile	7.35	41	46571m	58.305	ug/l	
42) 1,2-Dichloroethane	8.27	62	121790	52.217	ug/l	99
43) Isopropyl Acetate	8.30	43	172539	51.346	ug/l	99
44) Trichloroethene	8.97	130	115891	52.573	ug/l	98
45) 1,2-Dichloropropane	9.24	63	120172	52.815	ug/l	99
46) Dibromomethane	9.33	93	60242	51.377	ug/l	99
47) Bromodichloromethane	9.52	83	148434	54.420	ug/l	98
48) Methyl methacrylate	9.31	41	76171	51.085	ug/l	94
49) 1,4-Dioxane	9.32	88	15233	948.109	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	448257	258.990	ug/l	99
52) Toluene	10.26	92	291547	53.023	ug/l	99
53) t-1,3-Dichloropropene	10.49	75	162705	54.753	ug/l	97
54) cis-1,3-Dichloropropene	9.95	75	190638	53.889	ug/l	100
55) 1,1,2-Trichloroethane	10.66	97	90057	52.481	ug/l	99
56) Ethyl methacrylate	10.53	69	135650	53.931	ug/l	98
57) 1,3-Dichloropropane	10.81	76	161297	52.732	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	201582	226.200	ug/l	100
59) 2-Hexanone	10.85	43	323058	261.510	ug/l	98
60) Dibromochloromethane	11.00	129	99559	55.060	ug/l	99
61) 1,2-Dibromoethane	11.11	107	85881	52.834	ug/l	100
64) Tetrachloroethene	10.74	164	94632	53.337	ug/l	98
65) Chlorobenzene	11.53	112	297704	52.810	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	101283	54.788	ug/l	100
67) Ethyl Benzene	11.61	91	560529	53.316	ug/l	99
68) m/p-Xylenes	11.72	106	416413	107.132	ug/l	100
69) o-Xylene	12.05	106	195788	53.443	ug/l	99
70) Styrene	12.06	104	345803	55.112	ug/l	99
71) Bromoform	12.22	173	56616	56.473	ug/l #	99
73) Isopropylbenzene	12.34	105	535544	53.226	ug/l	99
74) N-amyl acetate	12.16	43	156172	50.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.59	83	112111	51.669	ug/l	100
76) 1,2,3-Trichloropropane	12.64	75	80978m	51.778	ug/l	
77) Bromobenzene	12.62	156	113067	53.039	ug/l	98
78) n-propylbenzene	12.69	91	659191	53.104	ug/l	100
79) 2-Chlorotoluene	12.77	91	362665	52.882	ug/l	99
80) 1,3,5-Trimethylbenzene	12.83	105	437870	52.862	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	41900	54.117	ug/l	98
82) 4-Chlorotoluene	12.87	91	379410	53.135	ug/l	100
83) tert-Butylbenzene	13.09	119	373255	54.254	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	438225	53.310	ug/l	100
85) sec-Butylbenzene	13.27	105	543830	53.628	ug/l	100
86) p-Isopropyltoluene	13.38	119	465336	53.195	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	217973	52.179	ug/l	99
88) 1,4-Dichlorobenzene	13.46	146	222682	52.546	ug/l	100
89) n-Butylbenzene	13.71	91	478350	52.707	ug/l	100
90) Hexachloroethane	13.97	117	91297	55.322	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	200263	52.769	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	17147	50.644	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	128172	52.078	ug/l	98
94) Hexachlorobutadiene	15.12	225	63961	53.305	ug/l	99
95) Naphthalene	15.25	128	299071	51.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	113274	52.245	ug/l	99

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

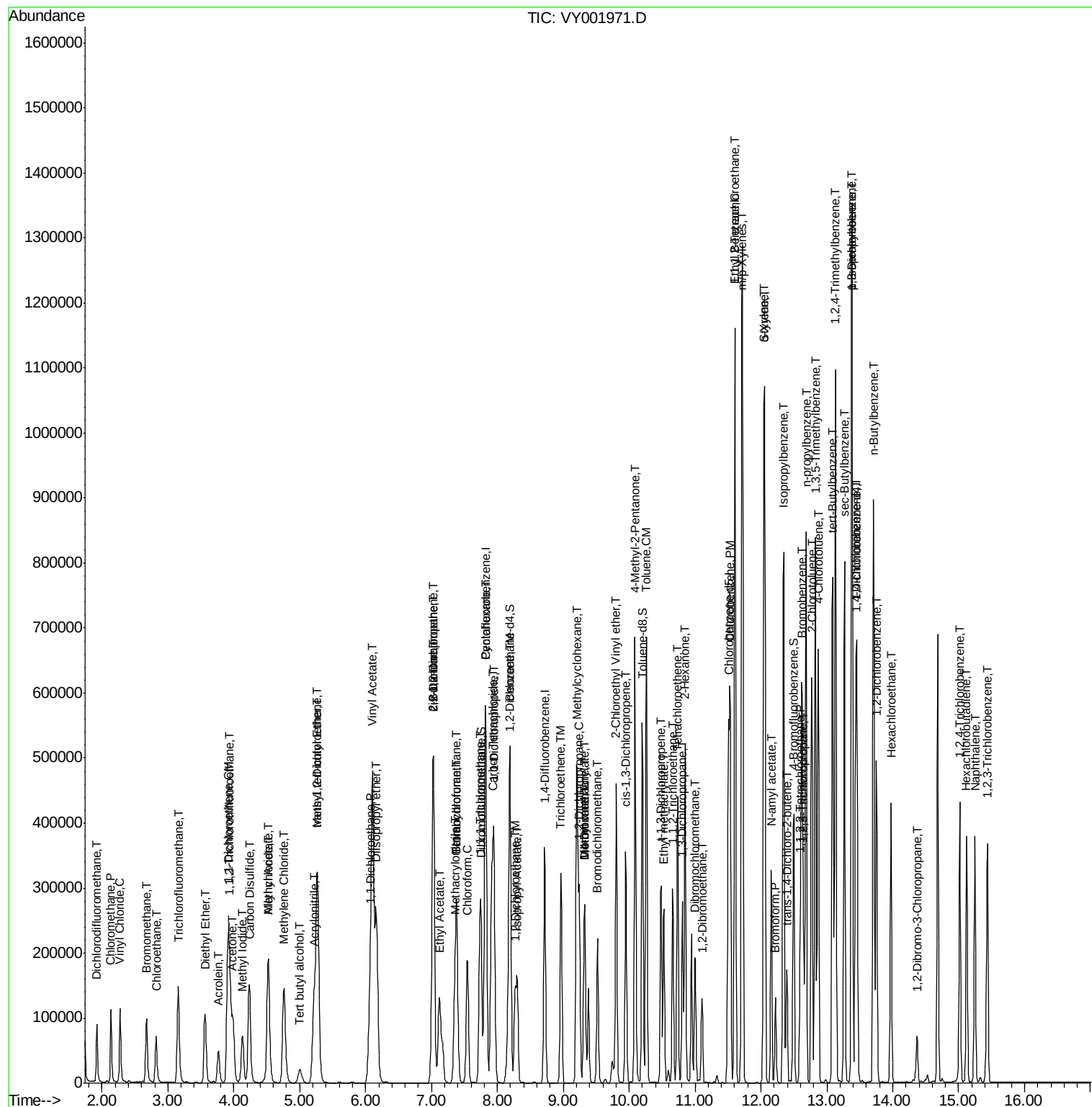
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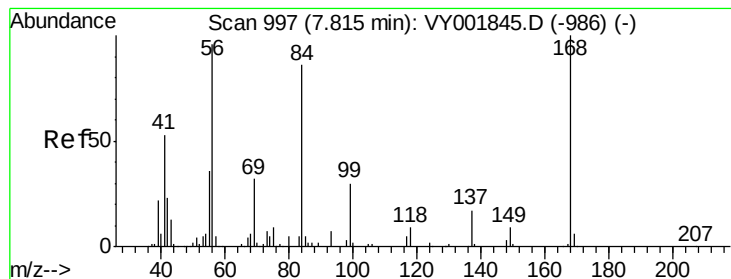
Instrument :
 MSVOA_Y
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 175618

Ion Ratio Lower Upper

168 100

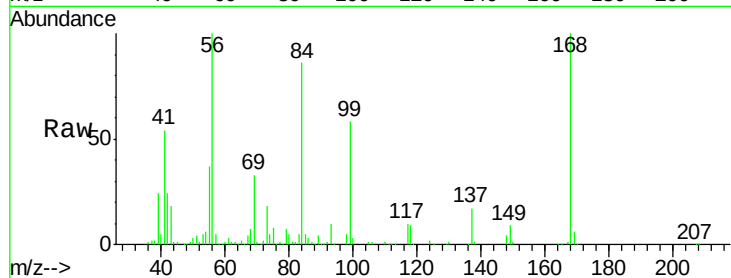
99 58.3 46.7 70.1

Manual Integrations

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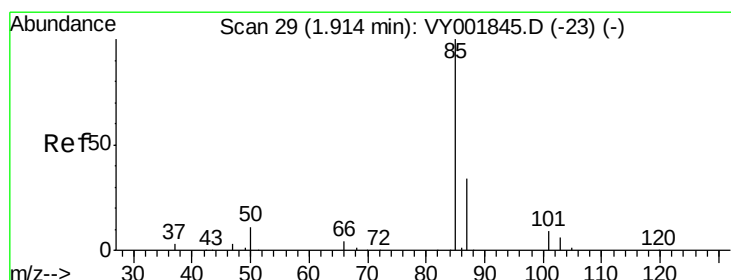
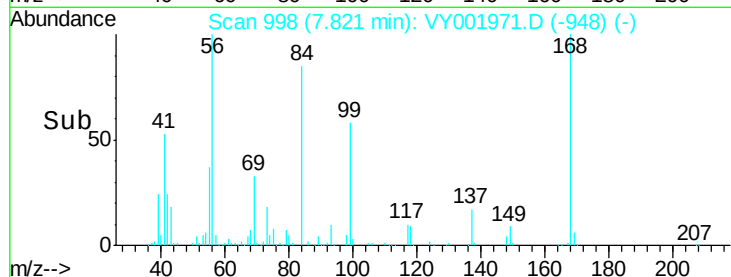
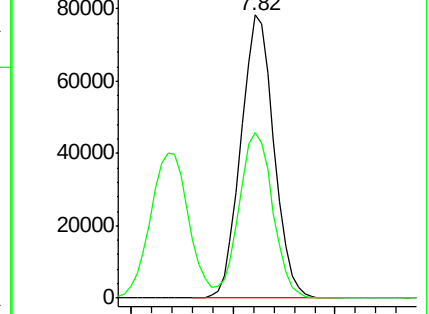
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Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)



#2

Dichlorodifluoromethane

Concen: 45.914 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001971.D

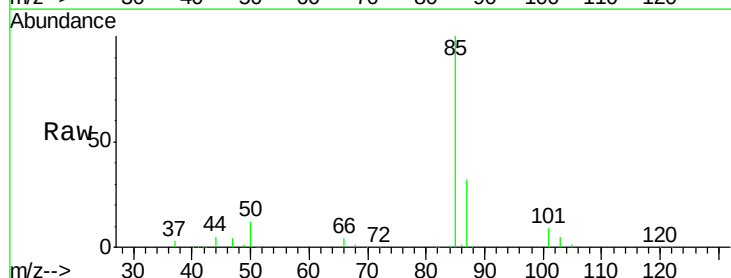
Acq: 16 Mar 2020 10:21

Tgt Ion: 85 Resp: 74430

Ion Ratio Lower Upper

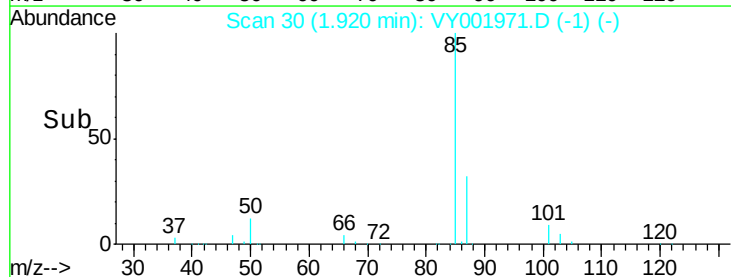
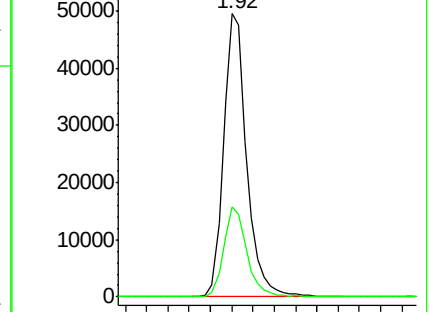
85 100

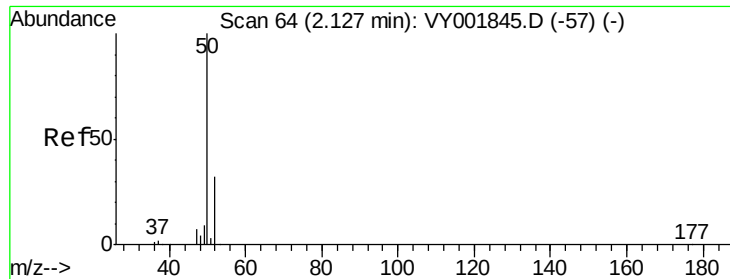
87 31.8 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)





#3

Chloromethane

Concen: 47.703 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tot Ion: 50 Resp: 104258

Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.6

Instrument :

MSVOA_Y

ClientSampleId :

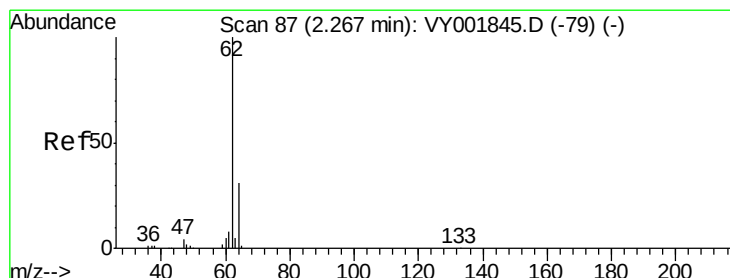
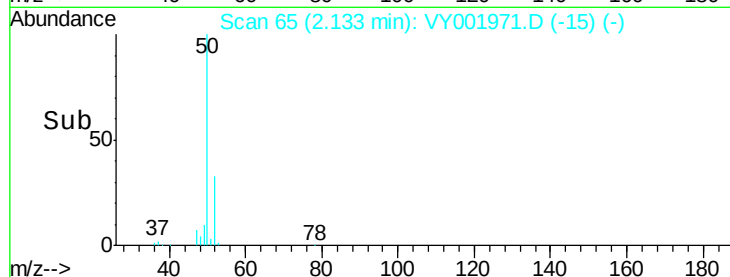
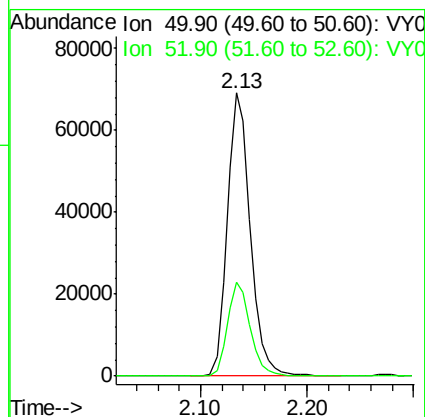
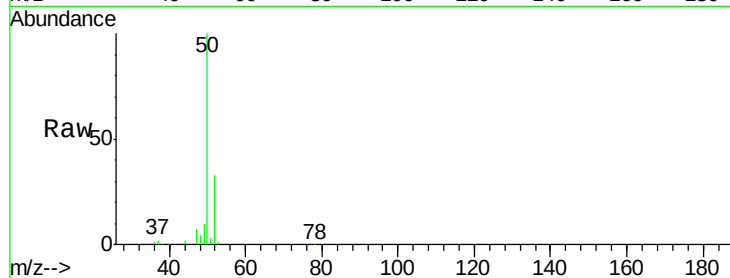
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.098 ug/l

RT: 2.27 min Scan# 88

Delta R.T. 0.01 min

Lab File: VY001971.D

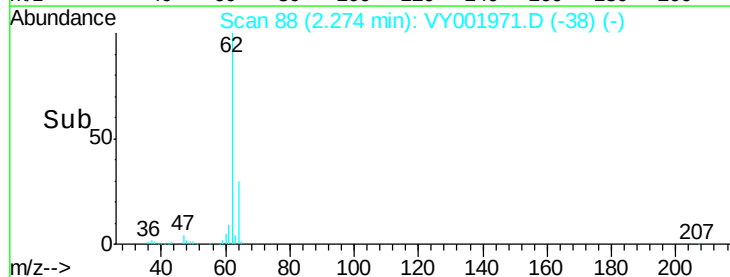
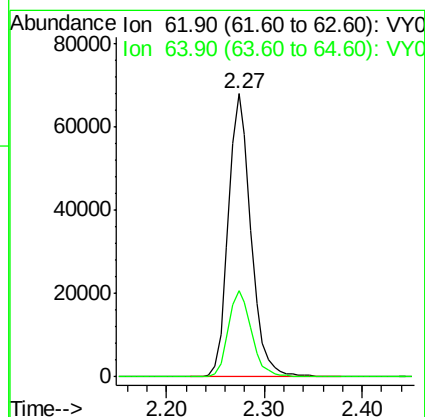
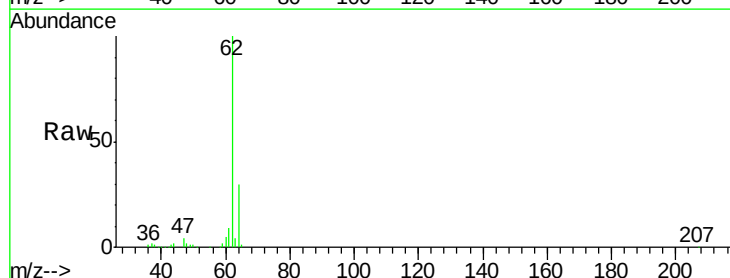
Acq: 16 Mar 2020 10:21

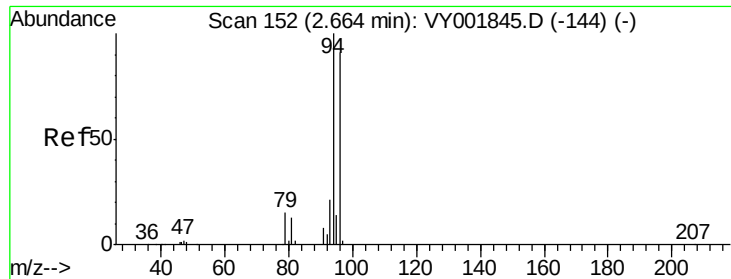
Tgt Ion: 62 Resp: 109150

Ion Ratio Lower Upper

62 100

64 30.4 25.1 37.7





#5

Bromomethane

Concen: 54.752 ug/l

RT: 2.68 min Scan# 154

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 70371

Ion Ratio Lower Upper

94 100

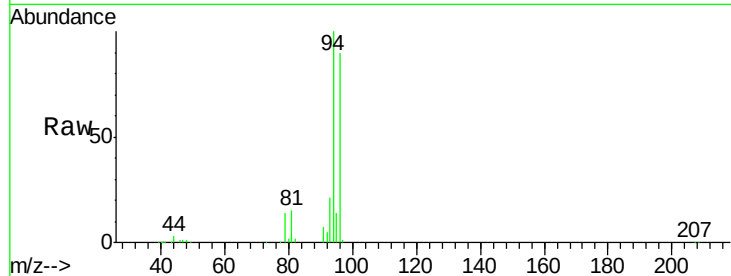
96 89.8 73.2 109.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.68

40000

30000

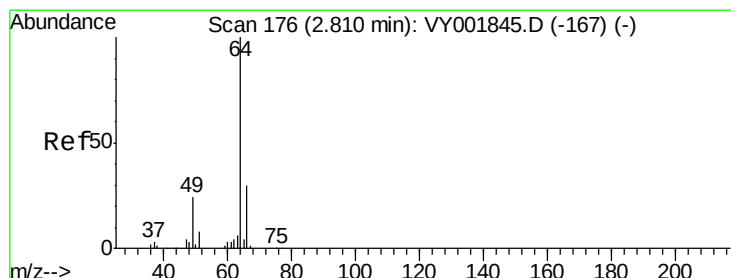
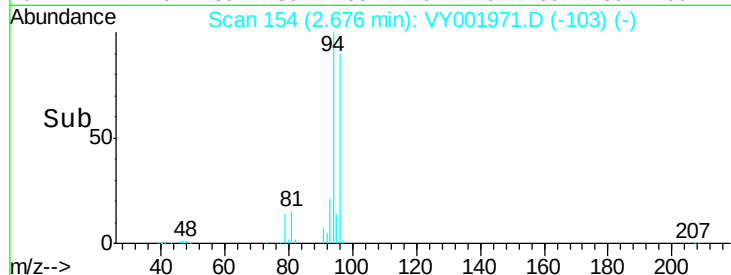
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10000

0

Time-->

2.60 2.70 2.80



#6

Chloroethane

Concen: 49.730 ug/l

RT: 2.82 min Scan# 178

Delta R.T. 0.01 min

Lab File: VY001971.D

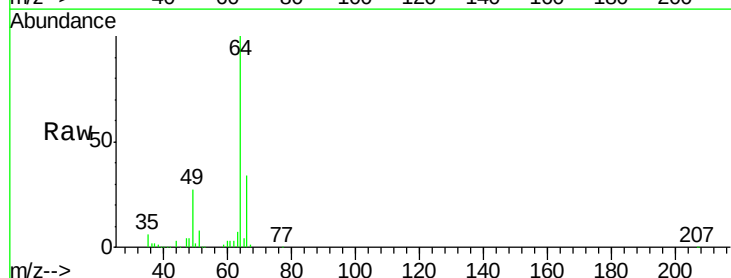
Acq: 16 Mar 2020 10:21

Tgt Ion: 64 Resp: 69448

Ion Ratio Lower Upper

64 100

66 33.7 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.82

40000

30000

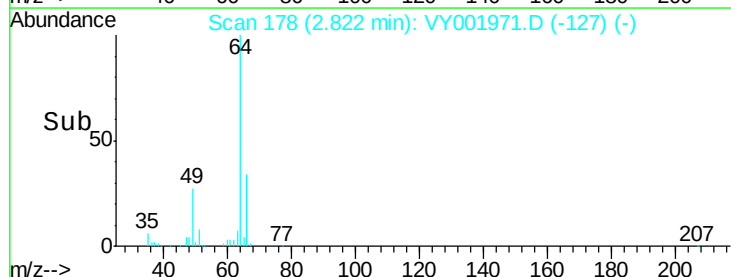
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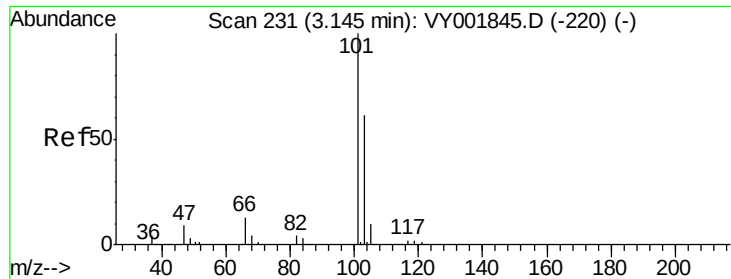
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Time-->

2.70 2.80 2.90 3.00





#7

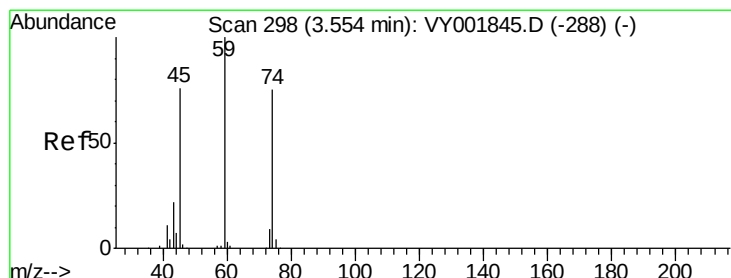
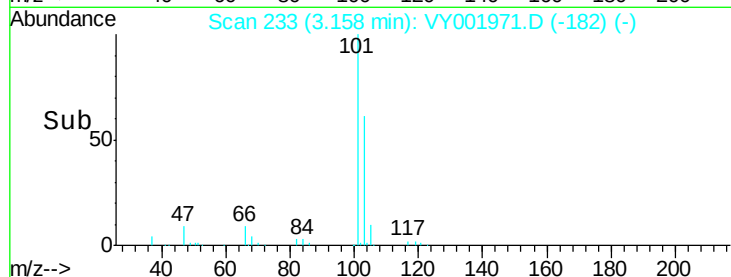
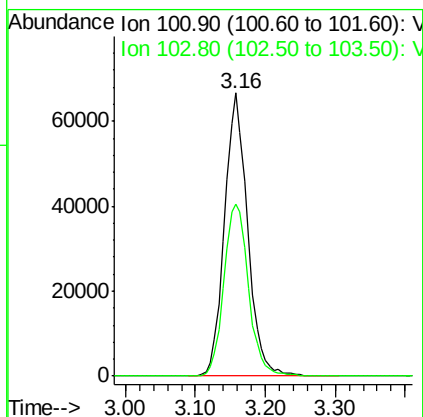
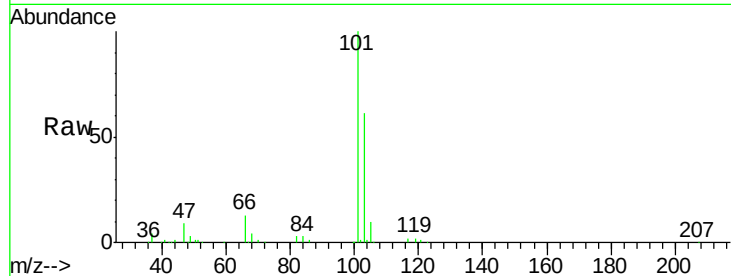
Trichlorofluoromethane
Concen: 50.855 ug/l
RT: 3.16 min Scan# 233
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	49.1	73.7

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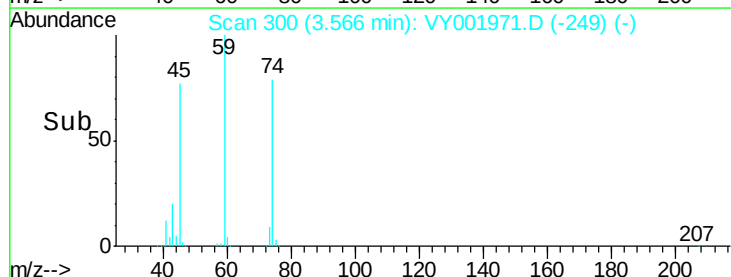
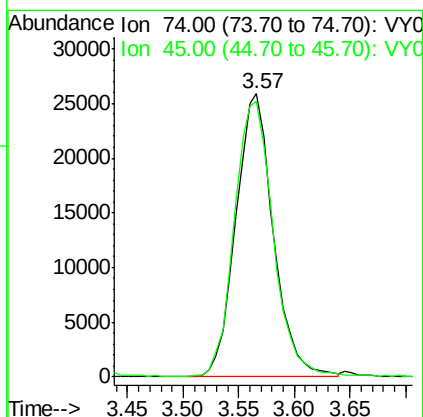
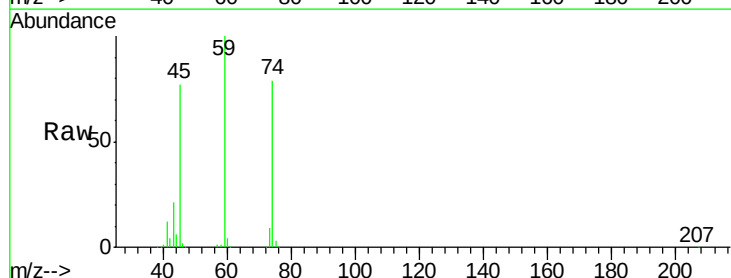
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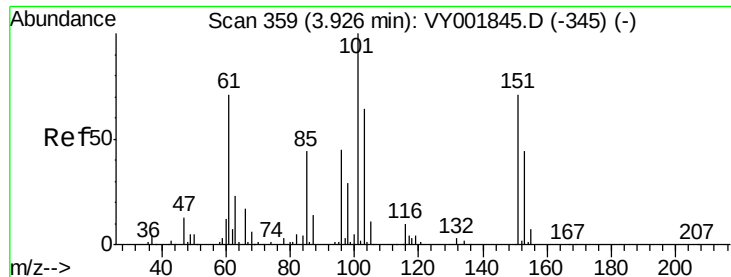


#8

Diethyl Ether
Concen: 50.968 ug/l
RT: 3.57 min Scan# 300
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.177 ug/l

RT: 3.94 min Scan# 361

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

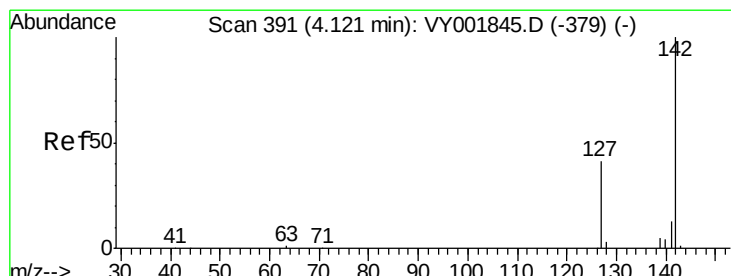
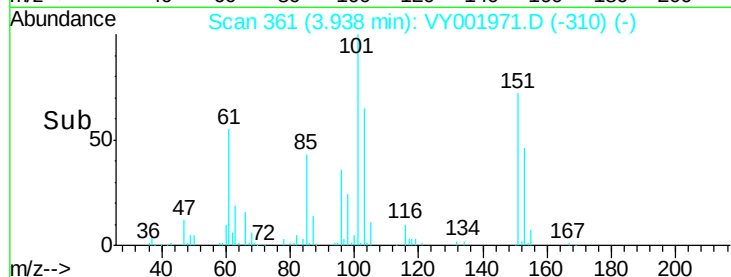
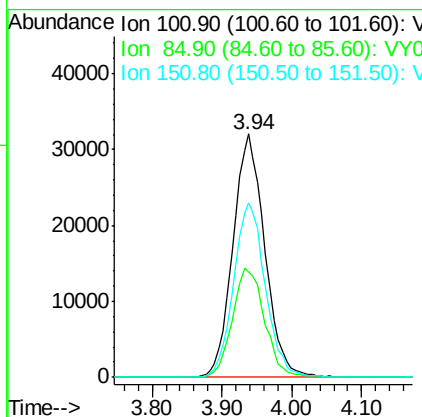
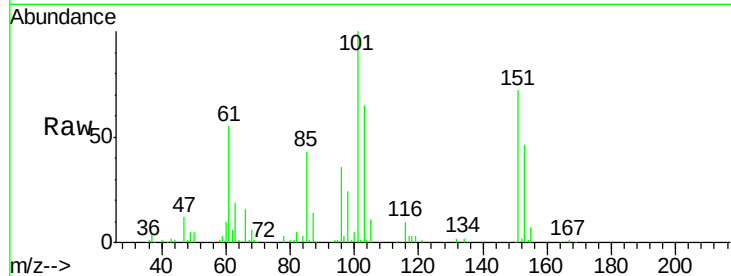
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	101182
Ion Ratio	Lower	Upper	
101	100		
85	45.3	35.3	52.9
151	71.5	57.0	85.4

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#10

Methyl Iodide

Concen: 53.933 ug/l

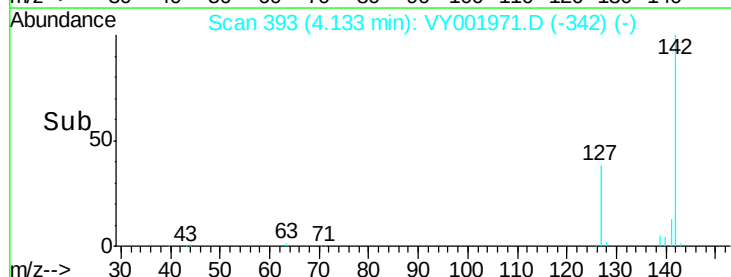
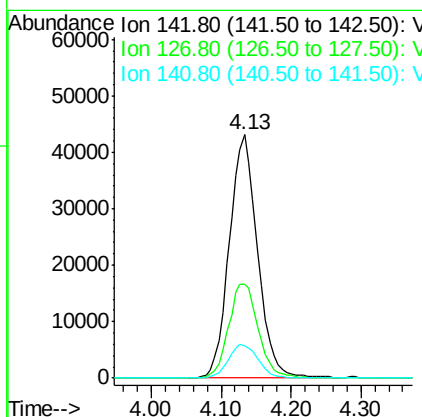
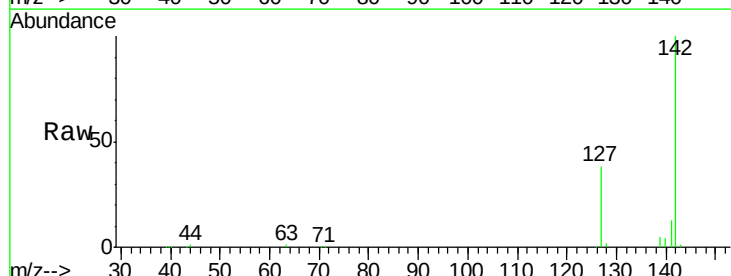
RT: 4.13 min Scan# 393

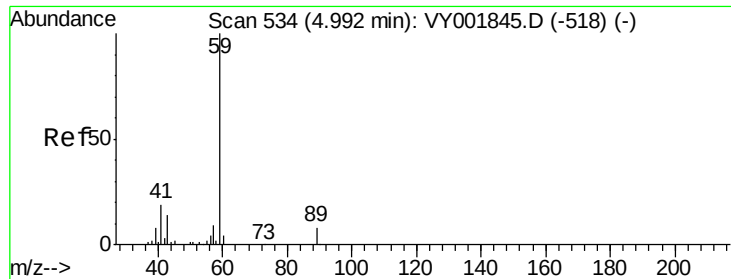
Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion:	142	Resp:	120948
Ion Ratio	Lower	Upper	
142	100		
127	40.9	32.7	49.1
141	14.4	11.0	16.6





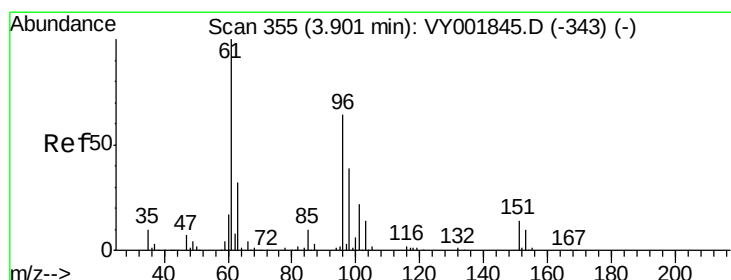
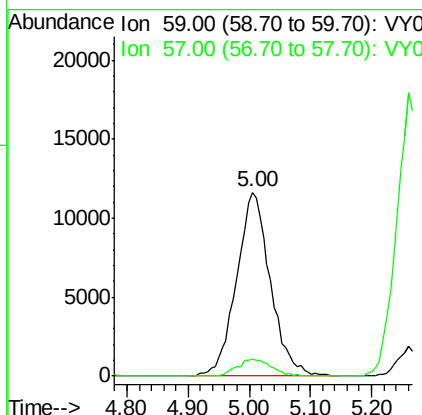
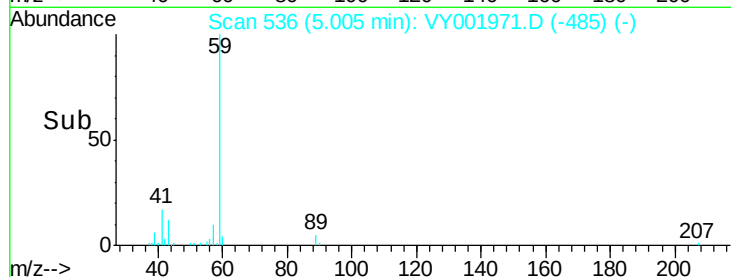
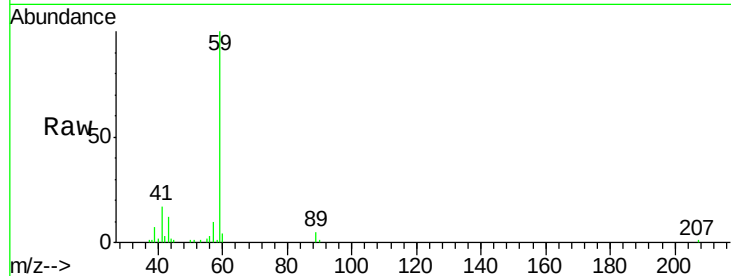
#11
Tert butyl alcohol
Concen: 227.585 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 44798
Ion Ratio Lower Upper
59 100
57 9.5 7.4 11.2

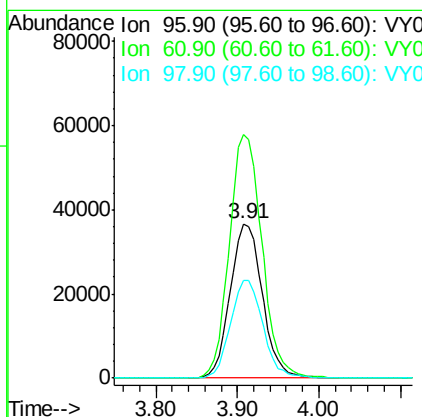
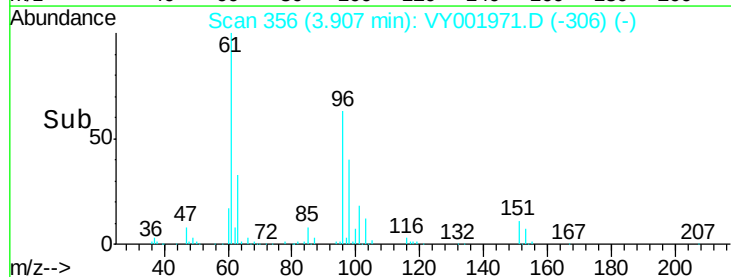
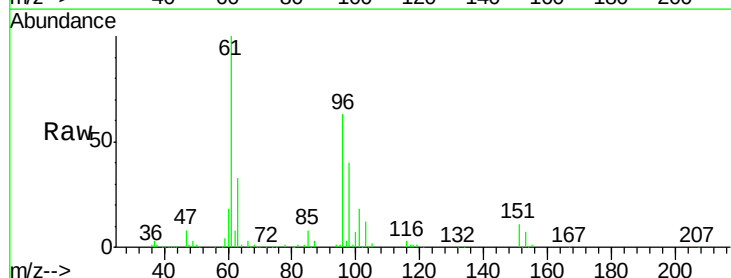
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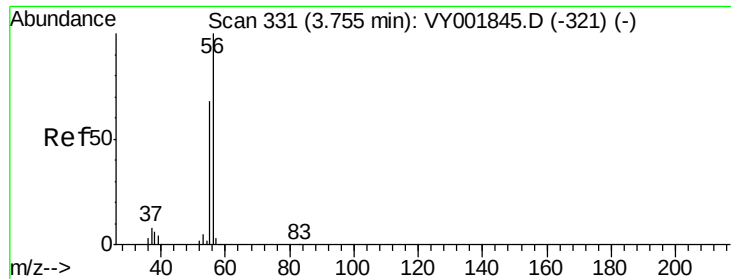
MMDadoda
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#12
1,1-Dichloroethene
Concen: 51.310 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion: 96 Resp: 100185
Ion Ratio Lower Upper
96 100
61 157.7 124.8 187.2
98 63.7 49.2 73.8





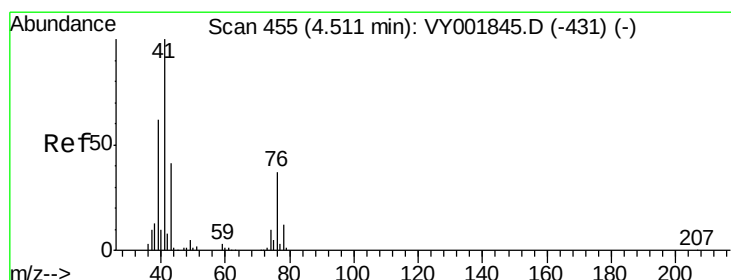
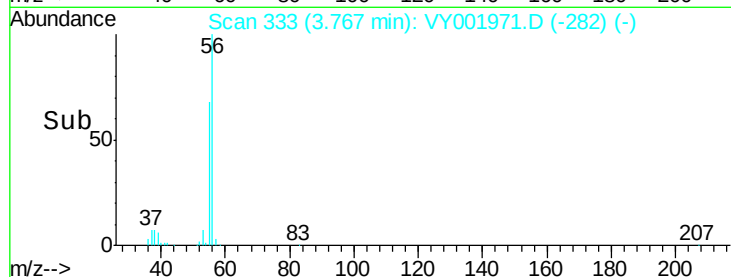
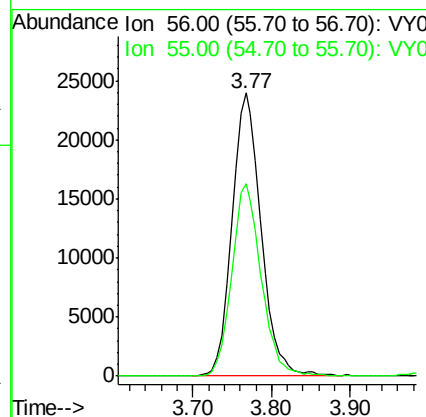
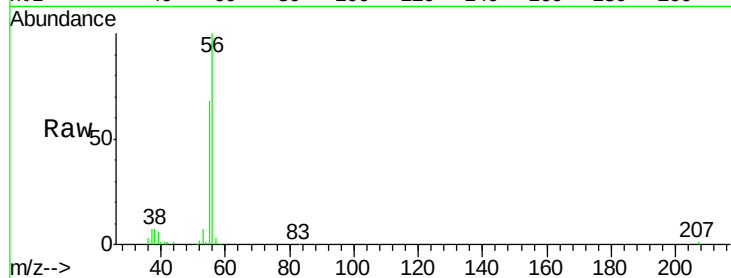
#13
Acrolein
Concen: 232.552 ug/l
RT: 3.77 min Scan# 333
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	68.6	54.0	81.0

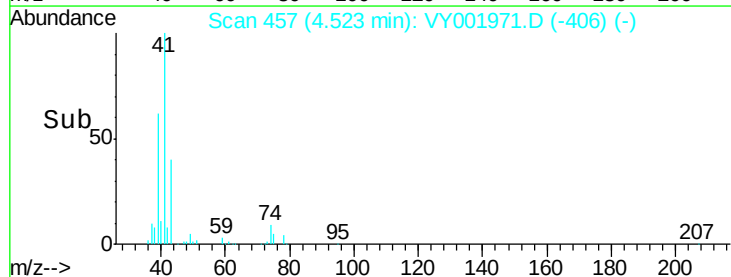
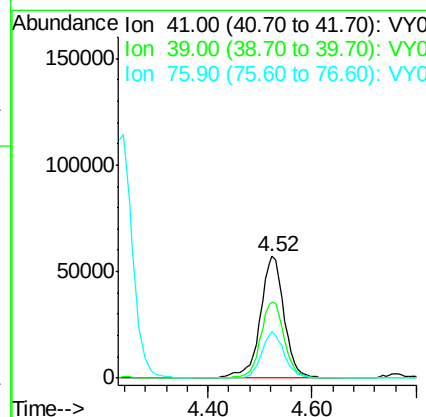
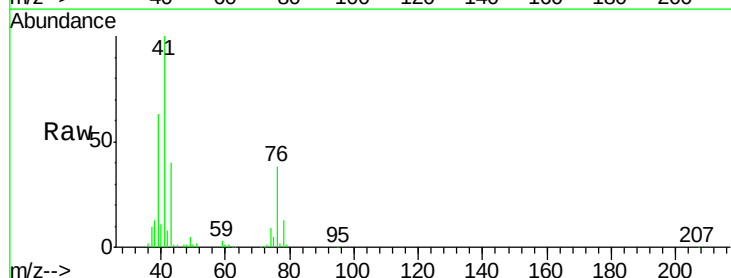
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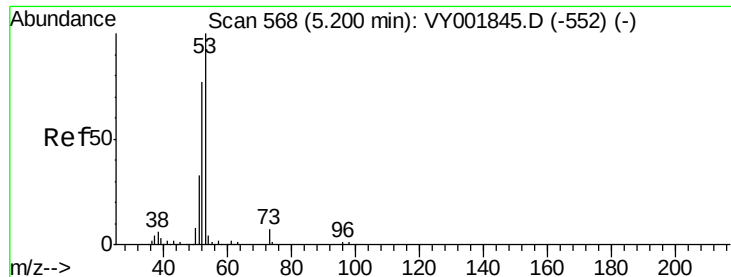
MMDadoda
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#14
Allyl chloride
Concen: 52.141 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.8	49.0	73.6
76	35.9	28.9	43.3





#15

Acrylonitrile

Concen: 250.815 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

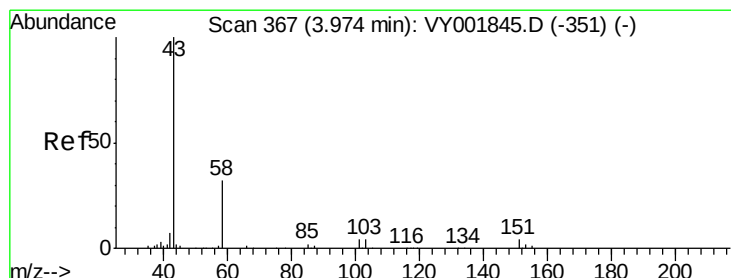
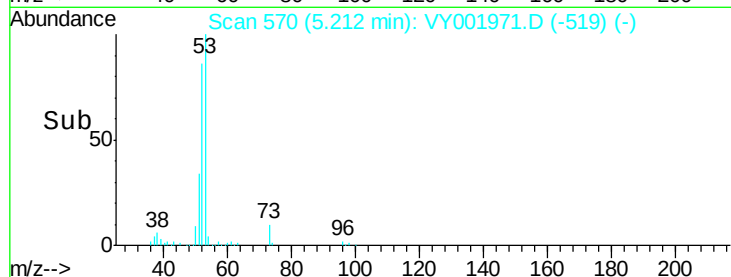
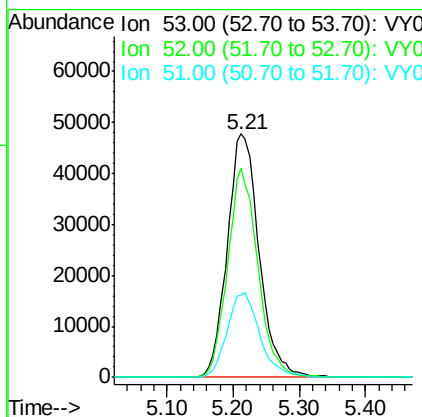
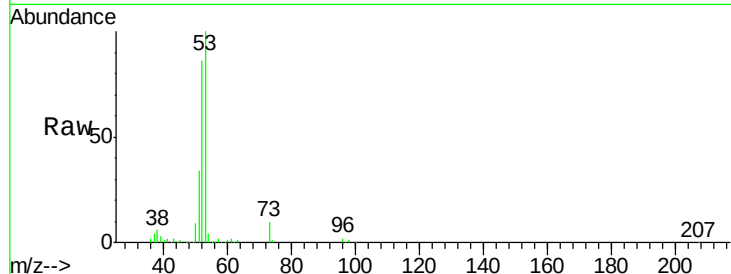
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	159263
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	35.6	27.5	41.3

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#16

Acetone

Concen: 284.310 ug/l

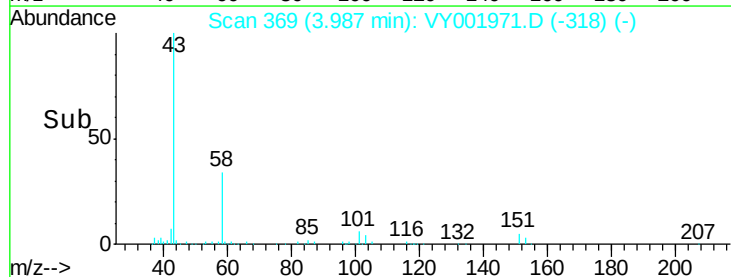
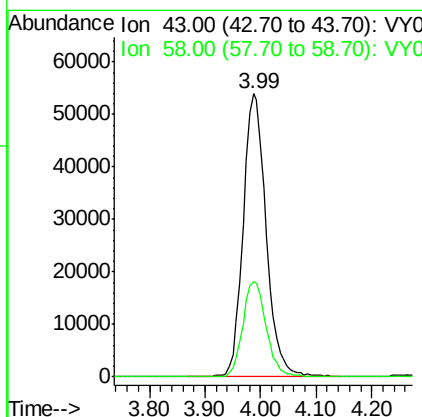
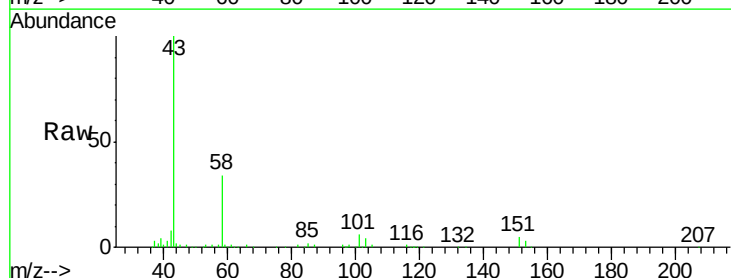
RT: 3.99 min Scan# 369

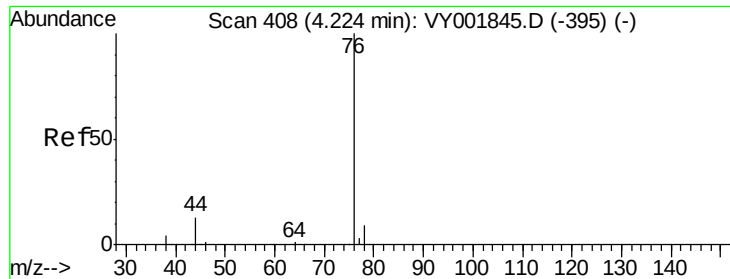
Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion:	43	Resp:	155252
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.9	38.9





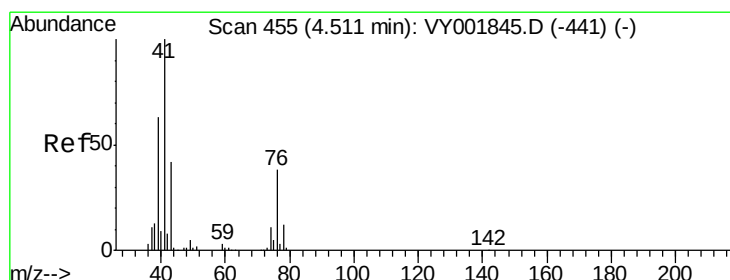
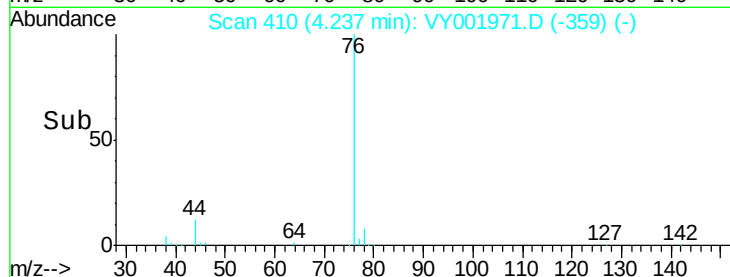
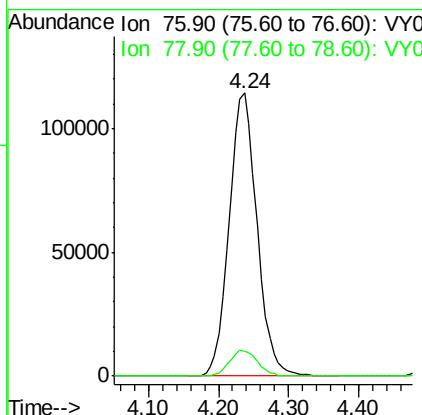
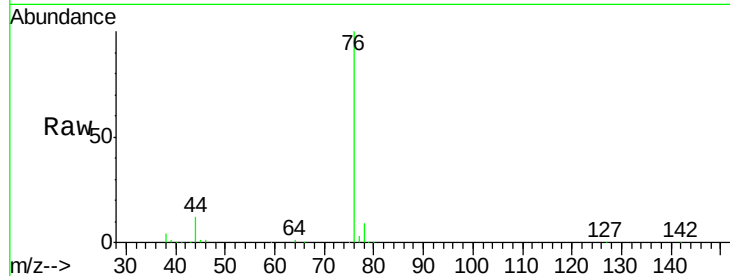
#17
Carbon Disulfide
Concen: 48.169 ug/l
RT: 4.24 min Scan# 410
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2

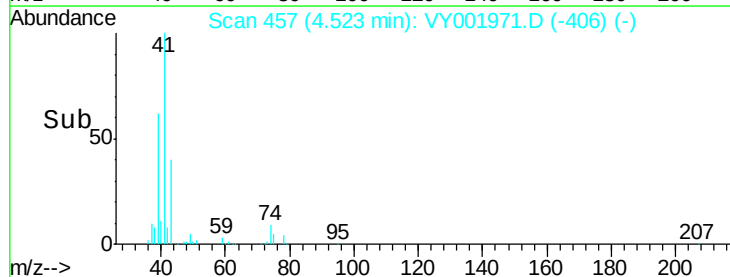
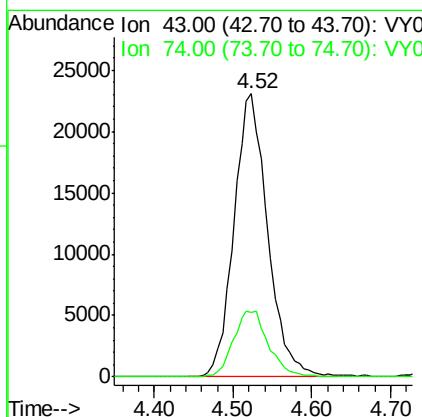
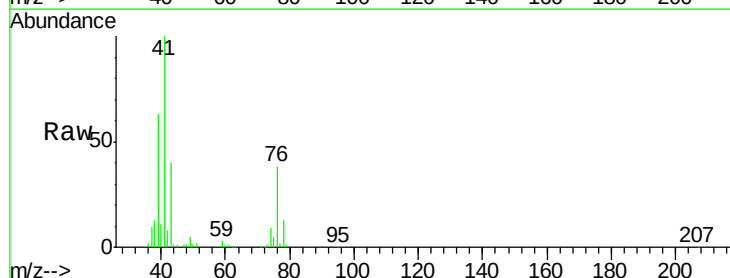
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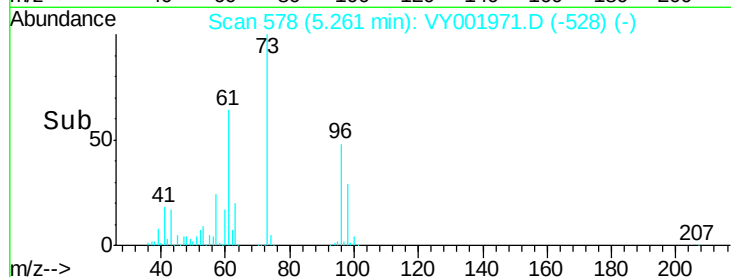
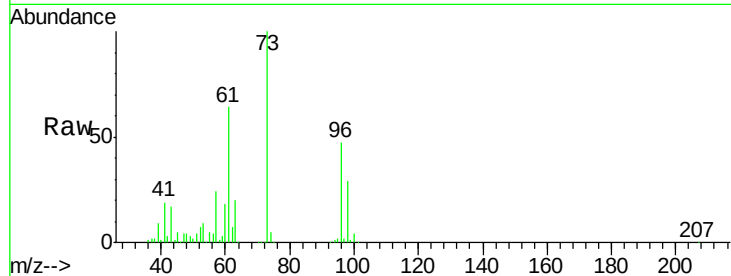
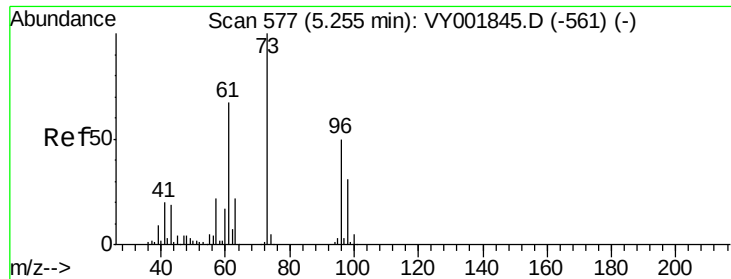
MMDadoda
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#18
Methyl Acetate
Concen: 48.780 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.0	28.6





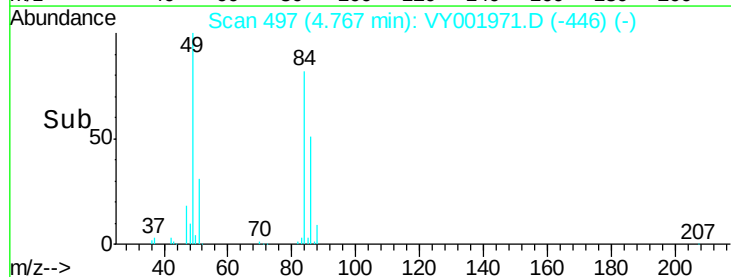
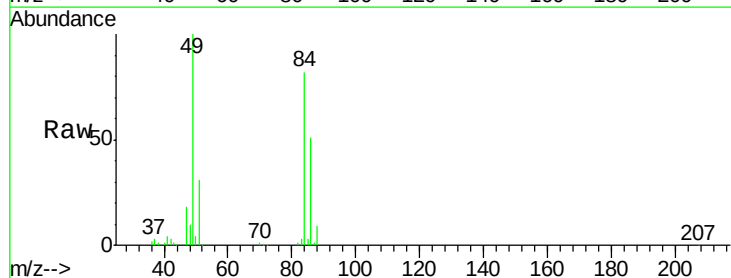
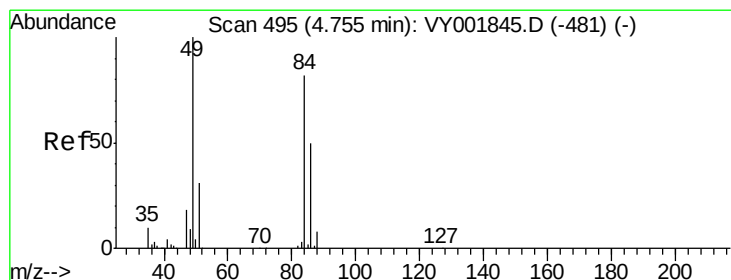
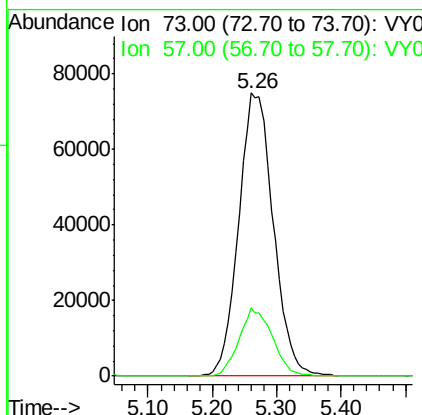
#19
Methyl tert-butyl Ether
Concen: 52.352 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tot Ion: 73 Resp: 277011
Ion Ratio Lower Upper
73 100
57 24.0 17.4 26.2

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

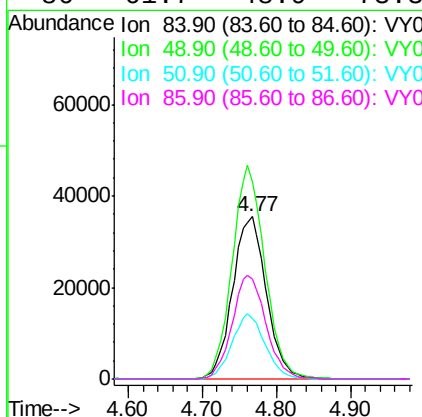
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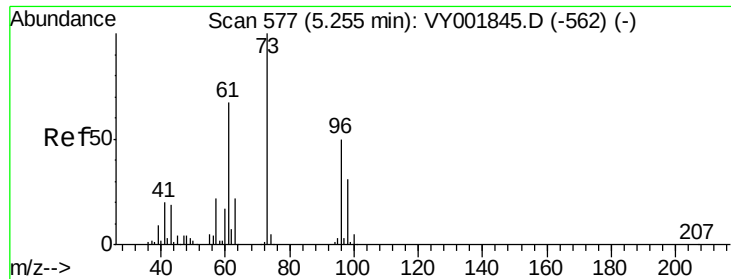
MMDadoda
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#20
Methylene Chloride
Concen: 48.442 ug/l
RT: 4.77 min Scan# 497
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion: 84 Resp: 113371
Ion Ratio Lower Upper
84 100
49 121.8 98.2 147.2
51 37.4 30.2 45.2
86 61.7 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 51.182 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

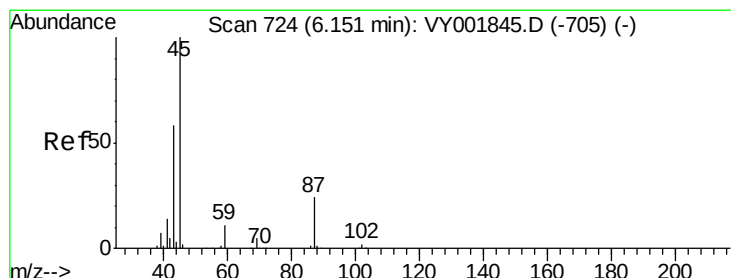
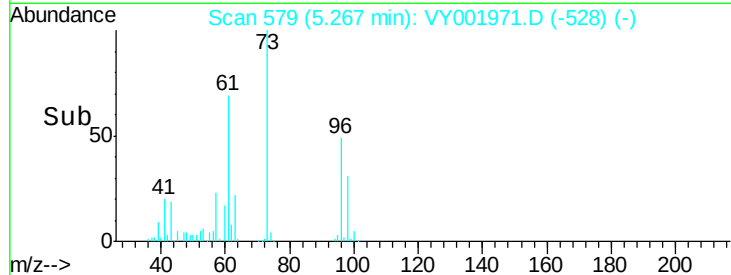
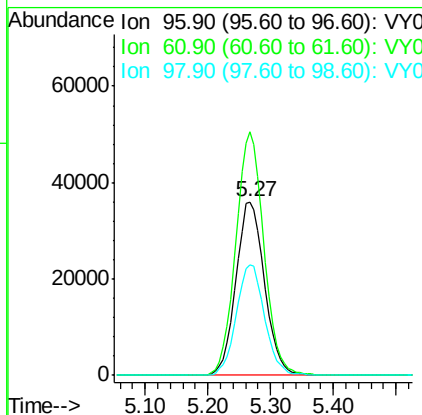
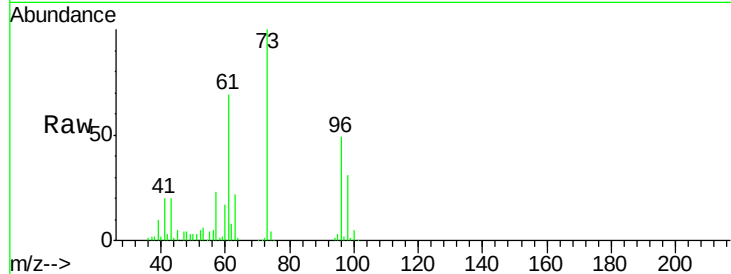
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	113430
Ion	Ratio	Lower	Upper
96	100		
61	140.2	107.7	161.5
98	63.3	49.3	73.9

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#22

Diisopropyl ether

Concen: 52.083 ug/l

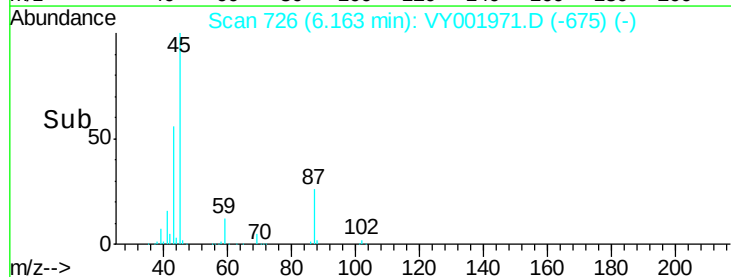
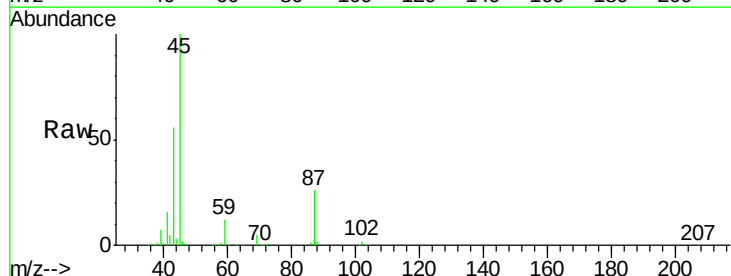
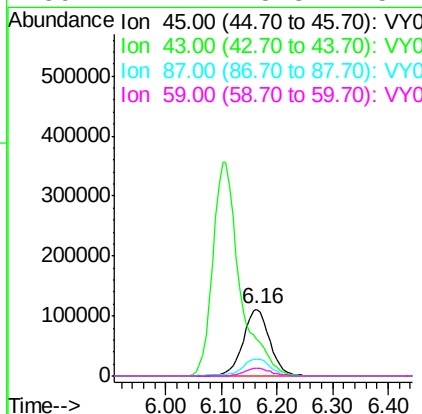
RT: 6.16 min Scan# 726

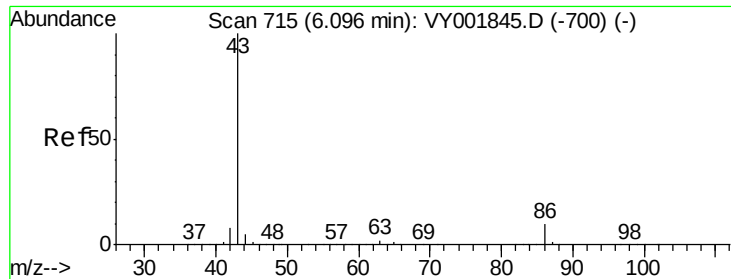
Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion:	45	Resp:	369550
Ion	Ratio	Lower	Upper
45	100		
43	55.4	47.2	70.8
87	25.9	19.8	29.8
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 258.729 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1203494

Ion Ratio Lower Upper

43 100

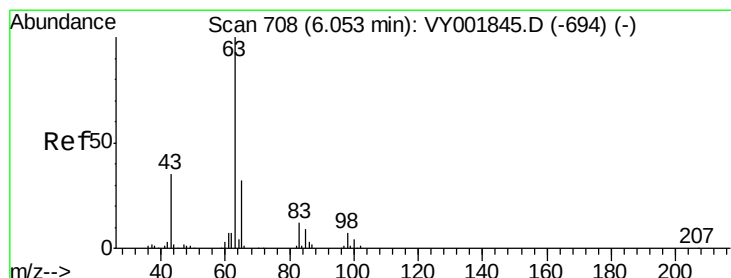
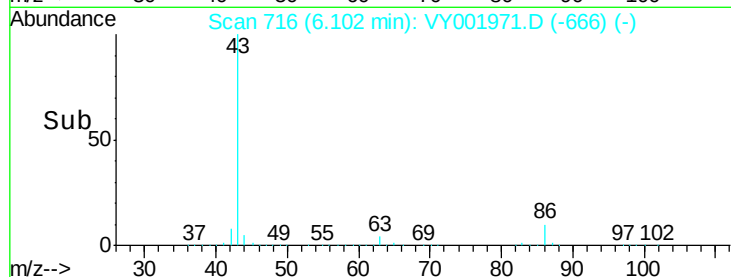
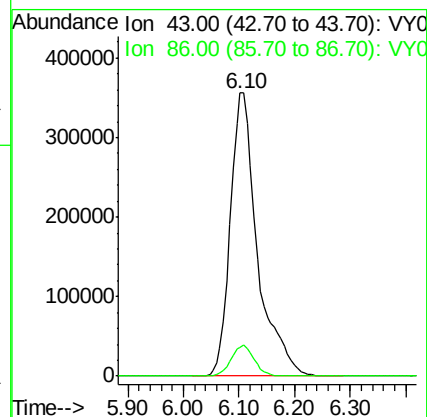
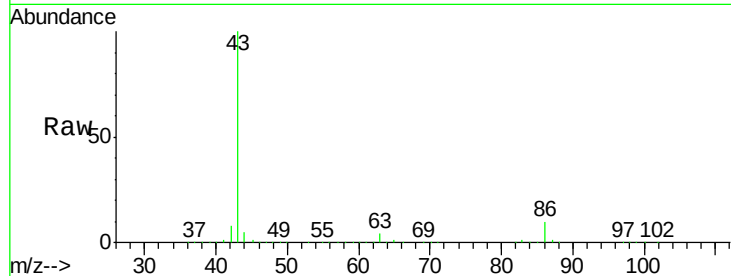
86 10.3 7.8 11.8

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#24

1,1-Dichloroethane

Concen: 52.026 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

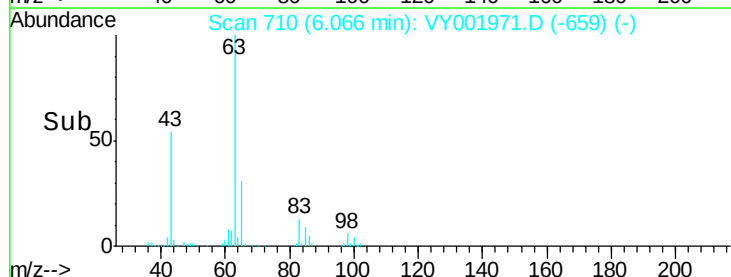
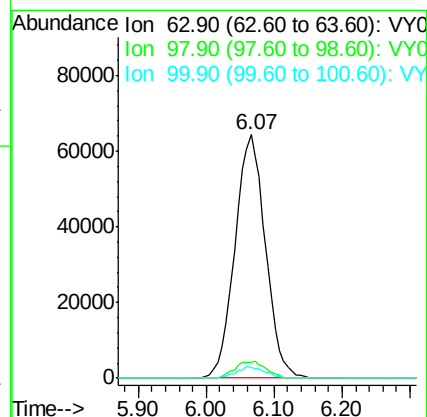
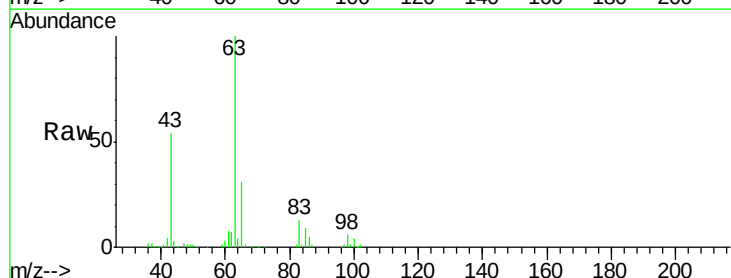
Tgt Ion: 63 Resp: 199906

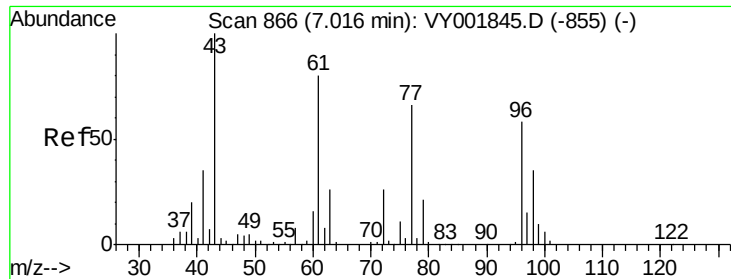
Ion Ratio Lower Upper

63 100

98 6.4 3.4 10.2

100 4.5 2.0 6.0





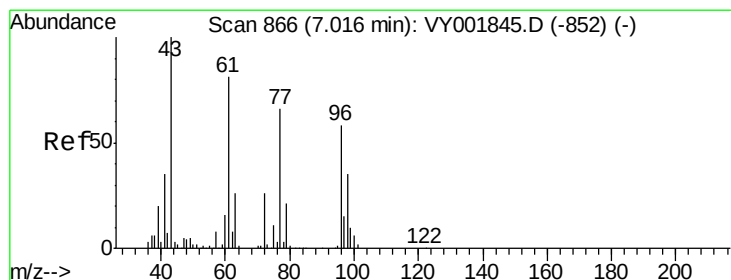
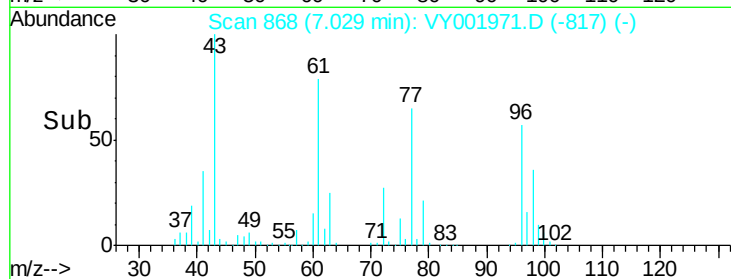
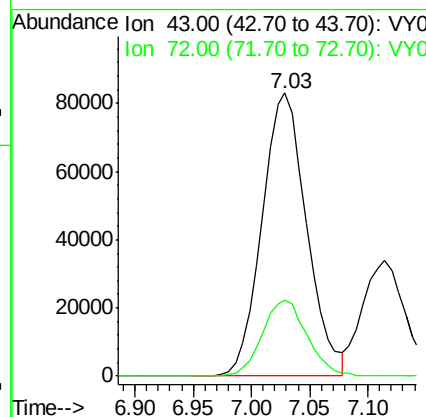
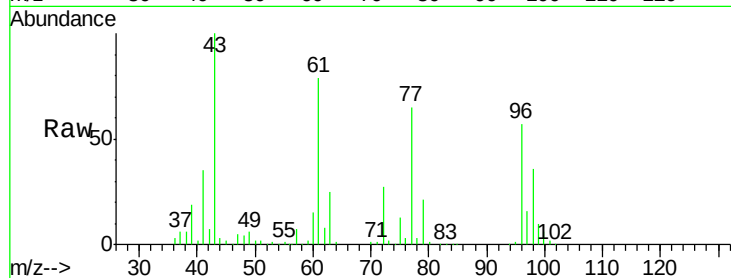
#25
2-Butanone
Concen: 266.177 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 221038
Ion Ratio Lower Upper
43 100
72 26.7 20.9 31.3

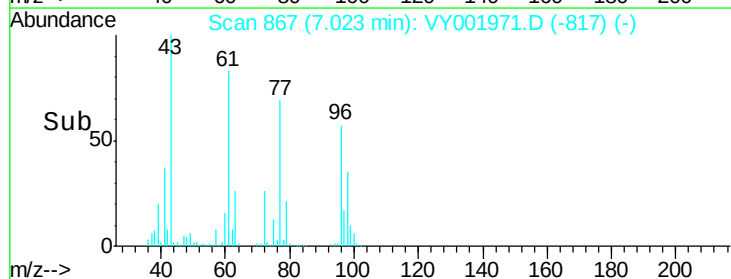
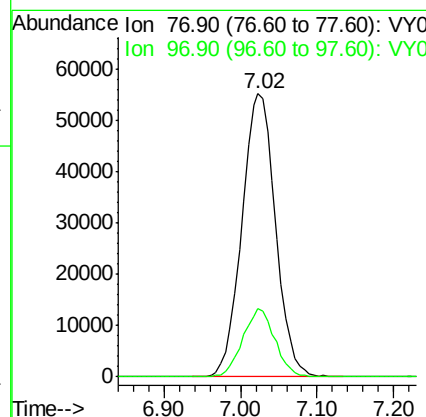
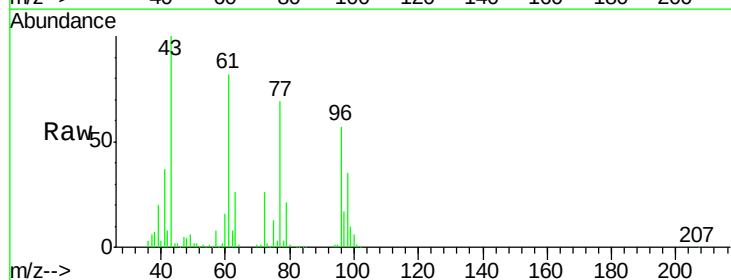
Manual Integrations
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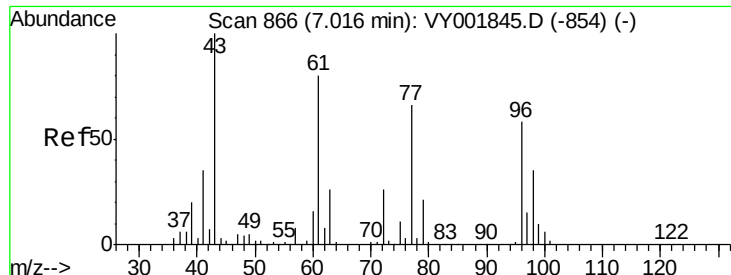
MMDadoda
3/17/2020 12:06:26 PM



#26
2,2-Dichloropropane
Concen: 53.278 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion: 77 Resp: 168026
Ion Ratio Lower Upper
77 100
97 23.0 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 52.586 ug/l

RT: 7.03 min Scan# 868

Delta R.T. 0.01 min

Lab File: VY001971.D

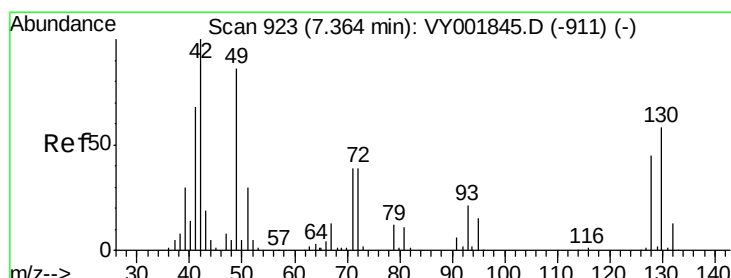
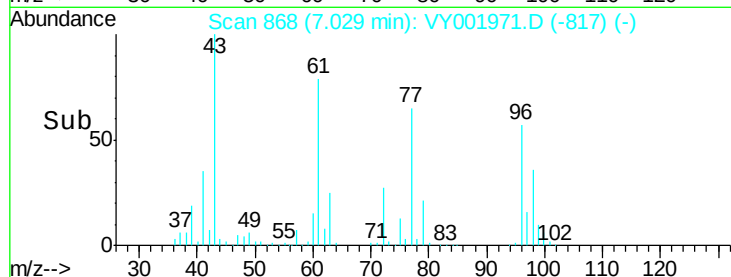
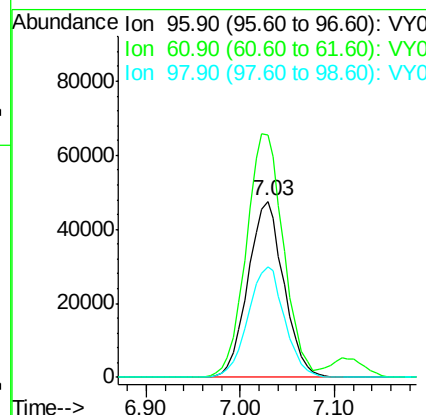
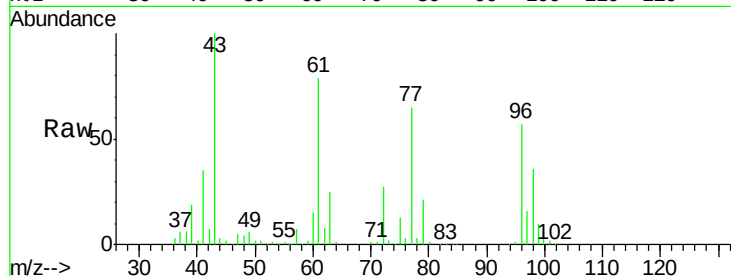
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	288.2
98	64.0	0.0	129.0

Manual Integrations
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3/17/2020 12:06:26 PM



#28

Bromochloromethane

Concen: 48.535 ug/l

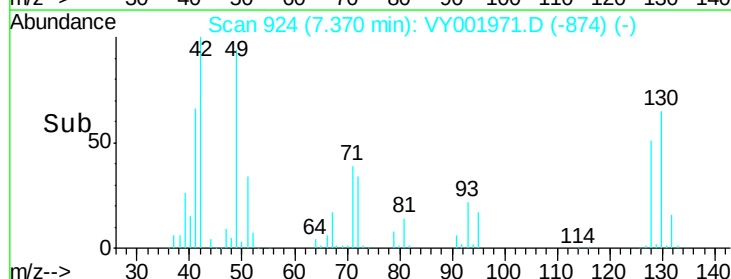
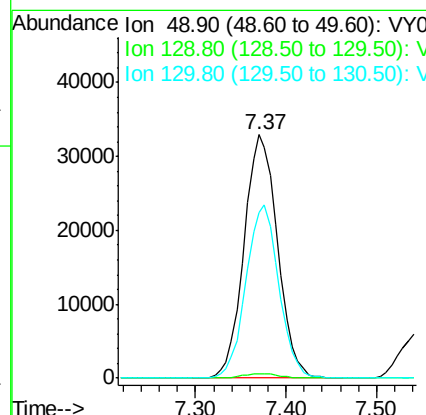
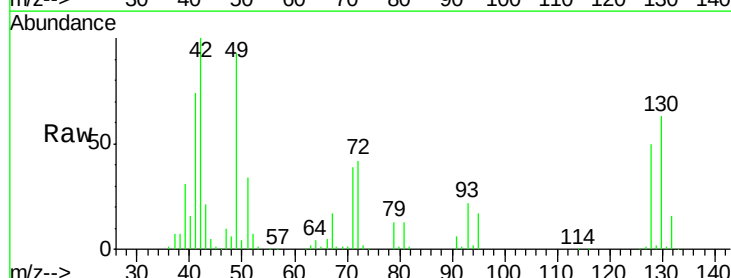
RT: 7.37 min Scan# 924

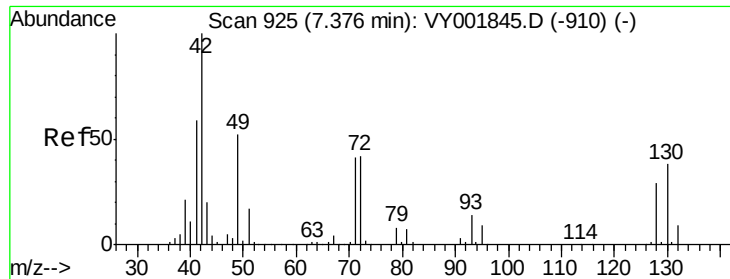
Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	69.9	54.4	81.6





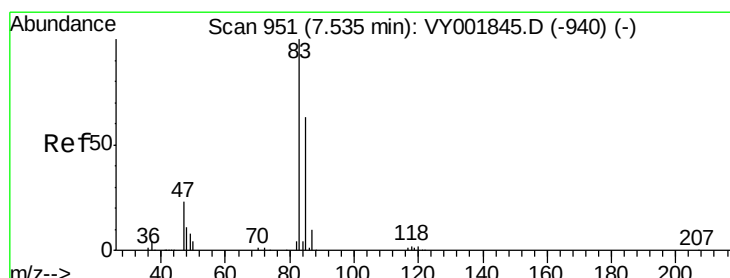
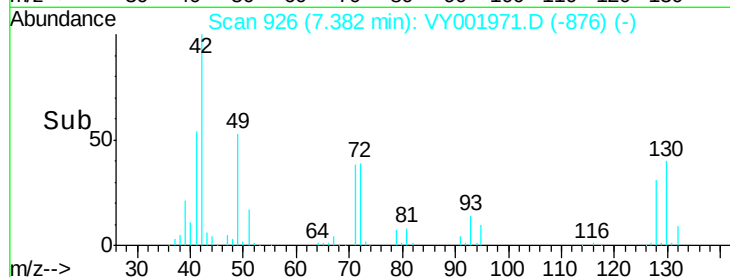
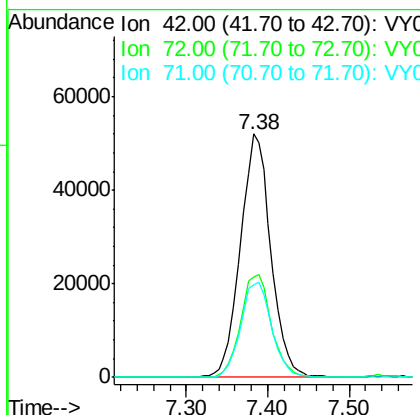
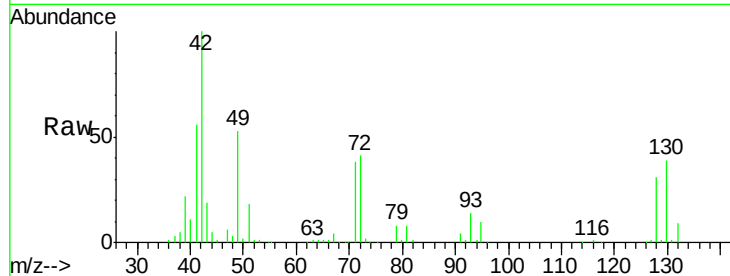
#29
Tetrahydrofuran
Concen: 244.224 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.5	50.3
71	39.8	31.3	46.9

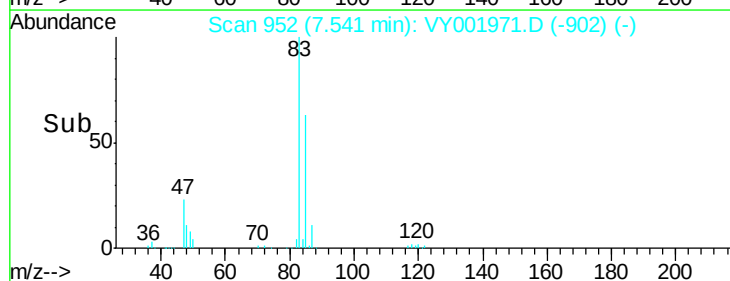
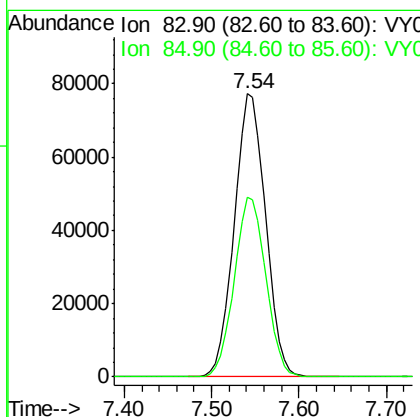
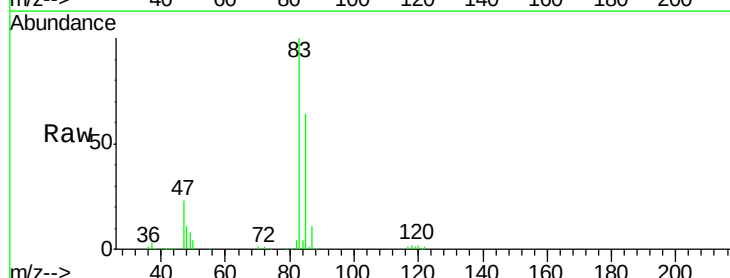
Manual Integrations
APPROVED

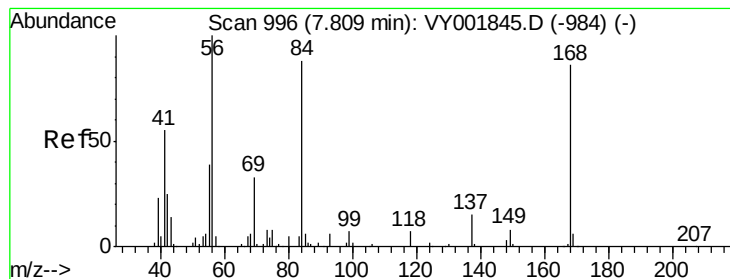
MMDadoda
3/17/2020 12:06:26 PM



#30
Chloroform
Concen: 53.254 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





#31

Cyclohexane

Concen: 48.374 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

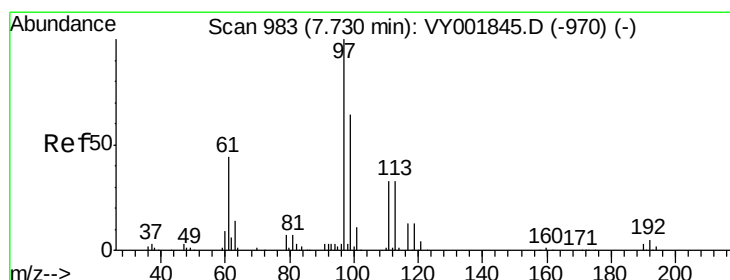
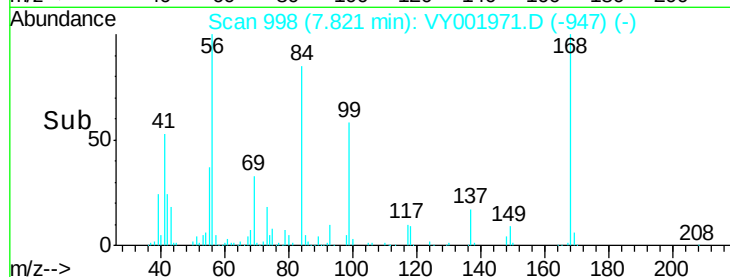
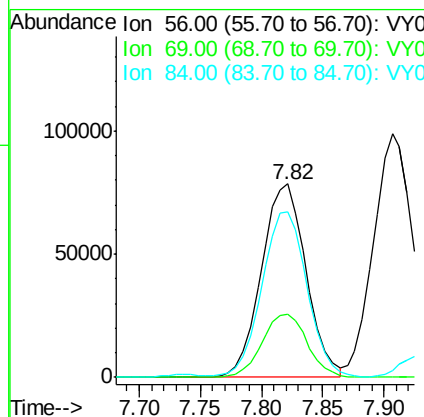
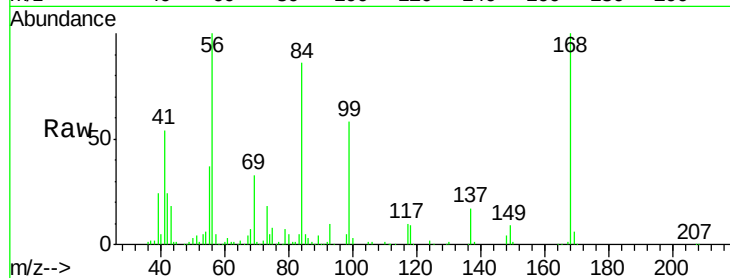
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	199295
Ion Ratio	Lower	Upper	
56	100		
69	32.8	26.7	40.1
84	84.6	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 53.178 ug/l

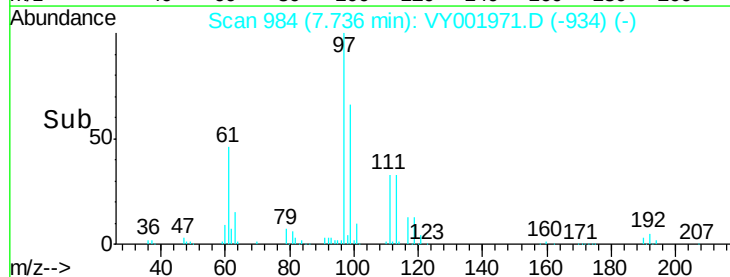
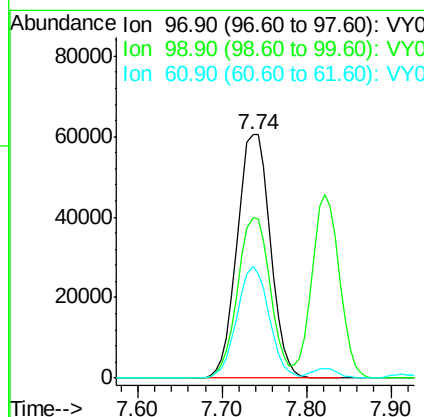
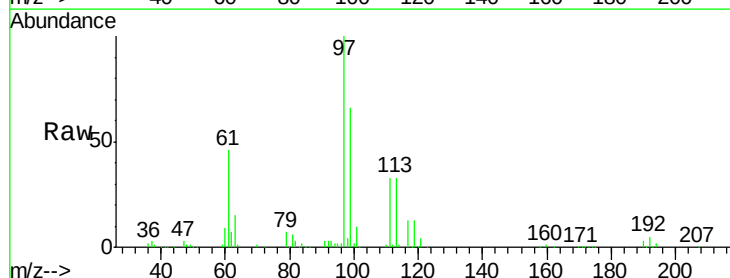
RT: 7.74 min Scan# 984

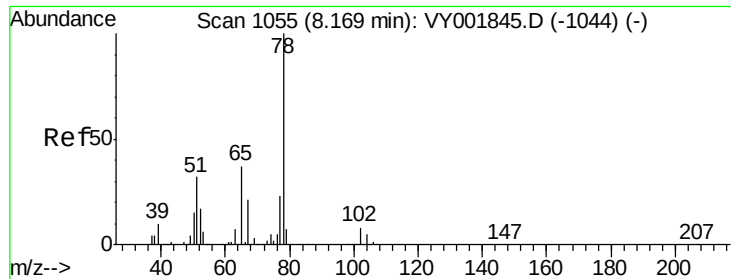
Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion:	97	Resp:	161805
Ion Ratio	Lower	Upper	
97	100		
99	64.6	52.0	78.0
61	44.1	35.0	52.4





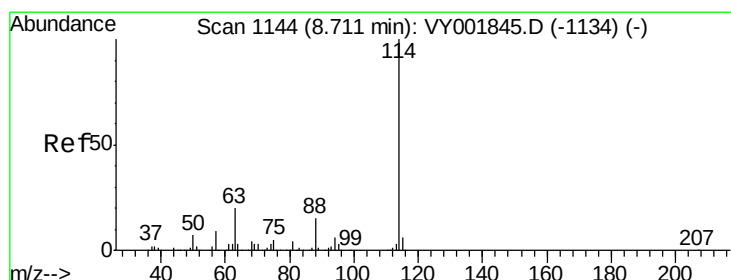
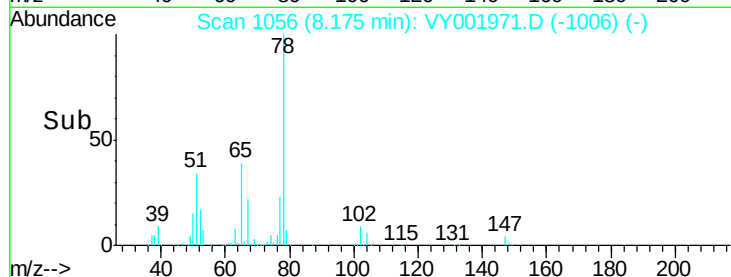
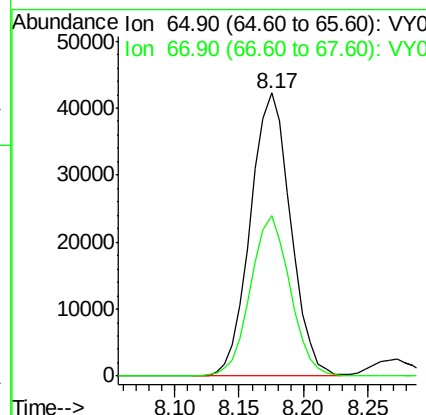
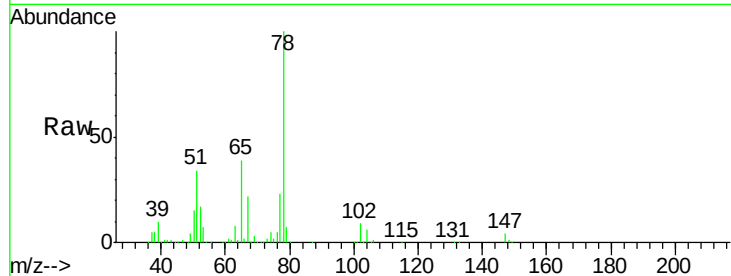
#33
 1,2-Dichloroethane-d4
 Concen: 48.586 ug/l
 RT: 8.17 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.0	0.0	110.8

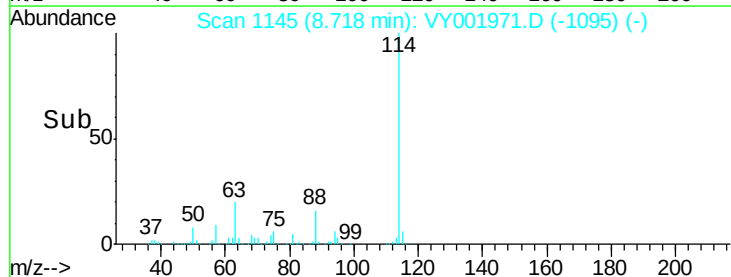
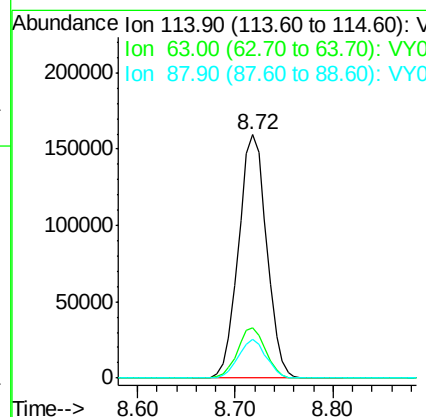
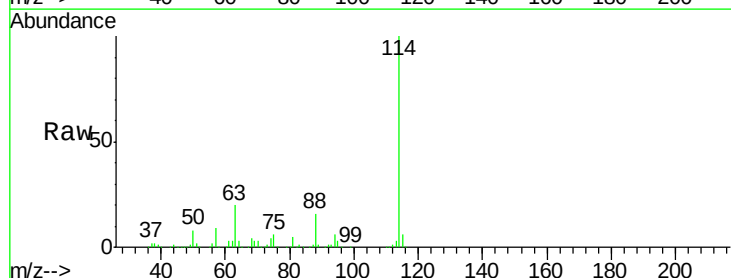
Manual Integrations
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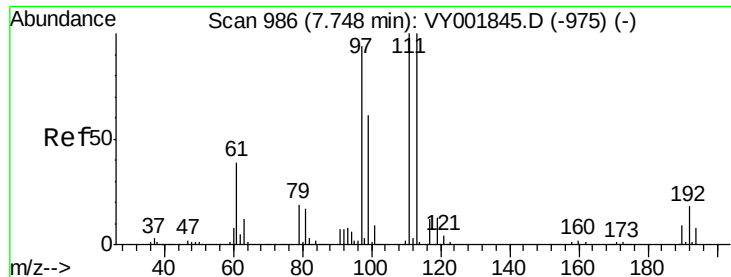
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.72 min Scan# 1145
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.4
88	16.1	0.0	30.4





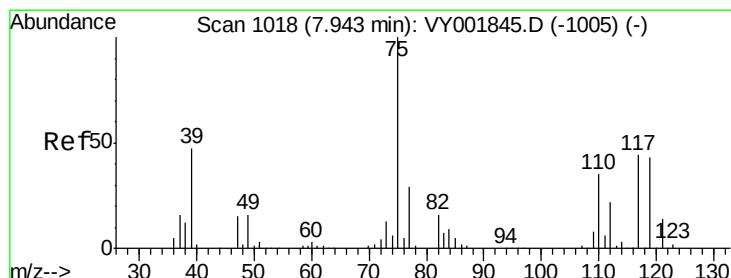
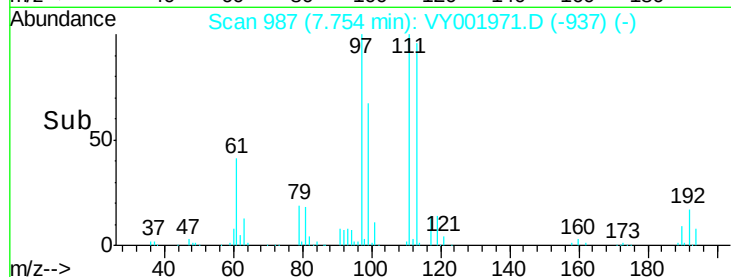
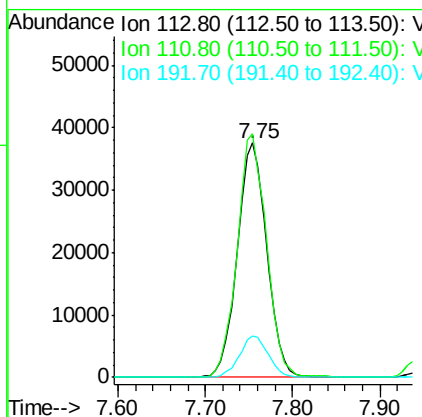
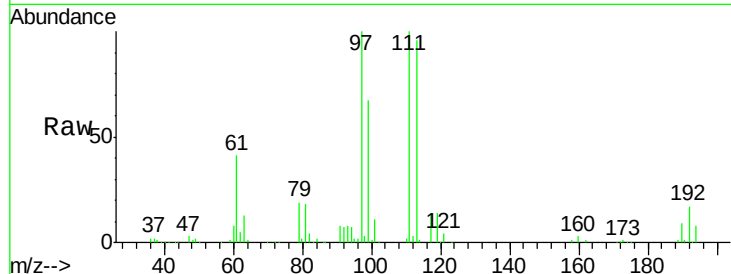
#35
 Dibromofluoromethane
 Concen: 50.786 ug/l
 RT: 7.75 min Scan# 987
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.8	122.8
192	17.3	14.2	21.2

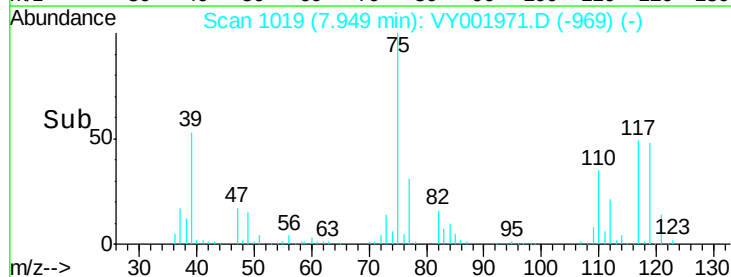
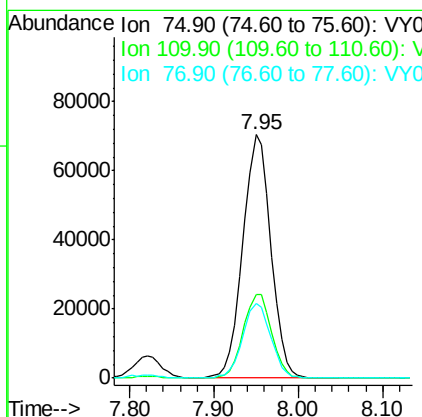
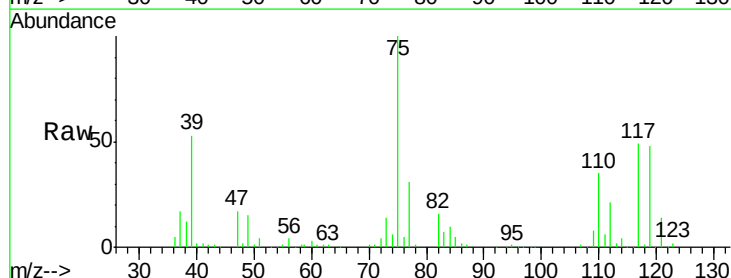
Manual Integrations
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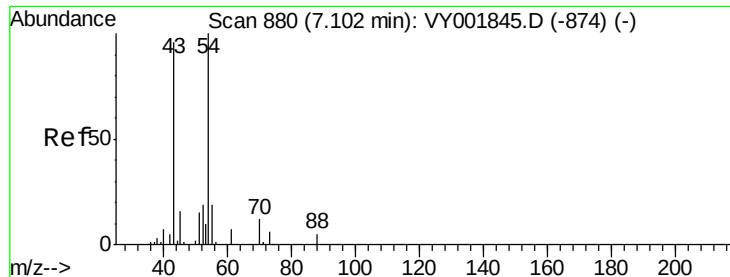
MMDadoda
 3/17/2020 12:06:26 PM



#36
 1,1-Dichloropropene
 Concen: 51.704 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.4	52.2
77	30.9	24.2	36.2





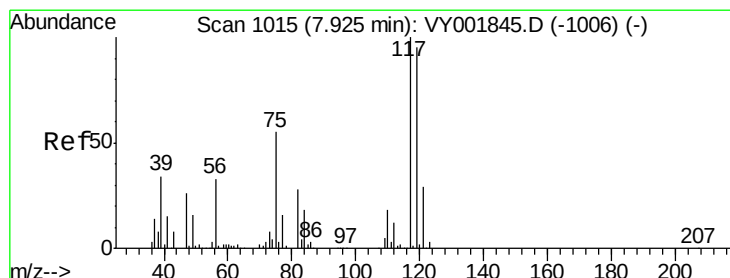
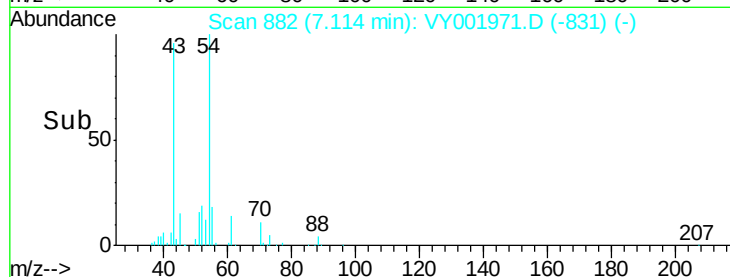
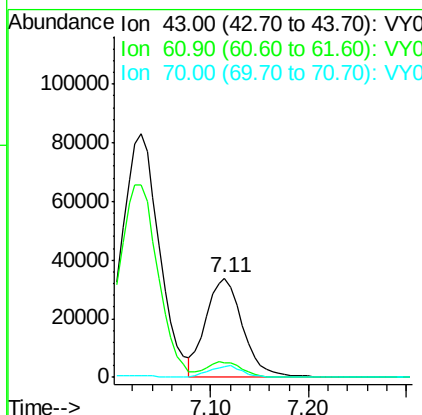
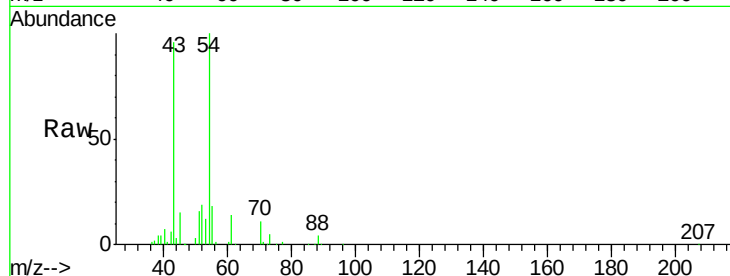
#37
Ethyl Acetate
Concen: 50.054 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.1	16.7
70	10.9	8.2	12.4

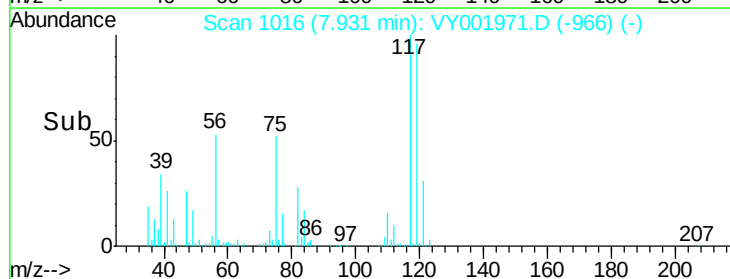
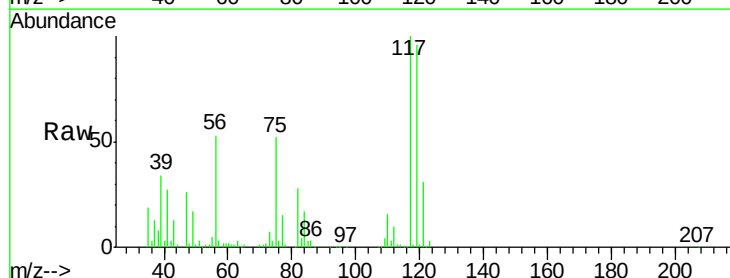
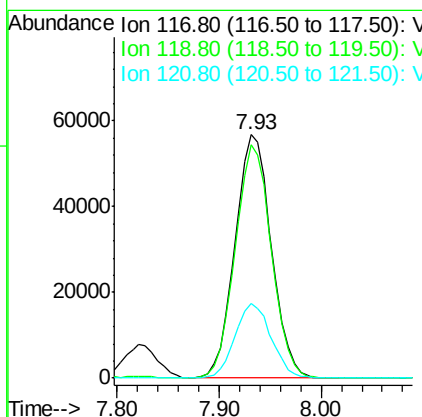
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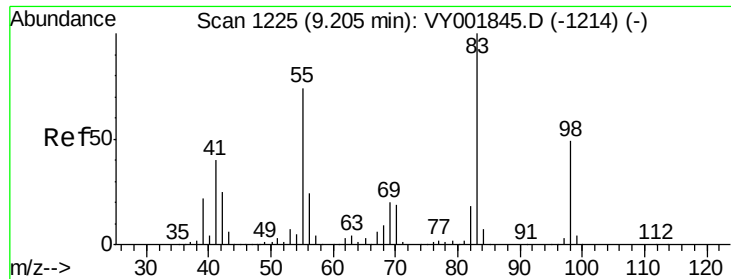
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#38
Carbon Tetrachloride
Concen: 53.665 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.3	114.5
121	30.6	23.5	35.3





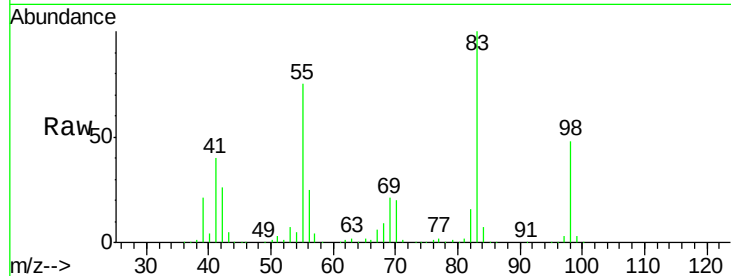
#39
Methylvlcyclohexane
Concen: 51.943 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

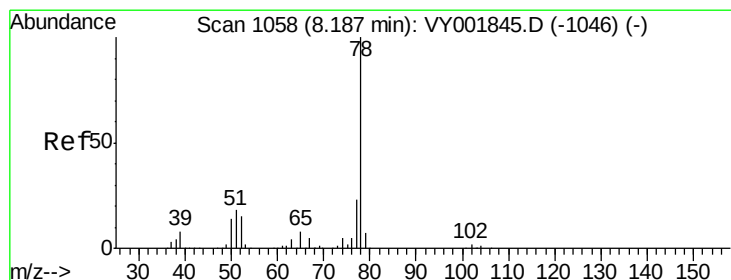
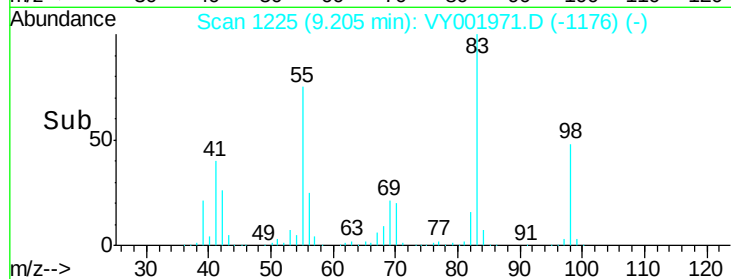
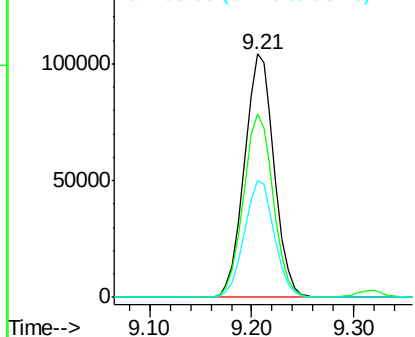
Tot Ion	83.00	Resp	210385
Ion	Ratio	Lower	Upper
83	100		
55	75.5	59.4	89.0
98	47.9	38.9	58.3

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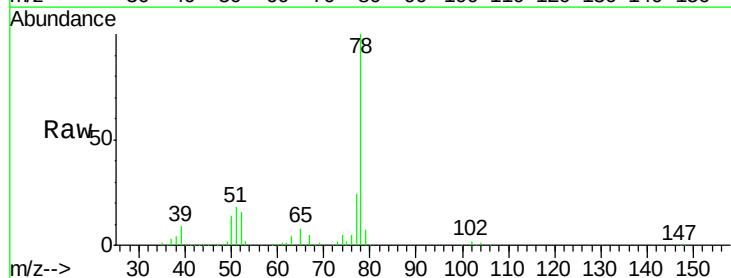


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

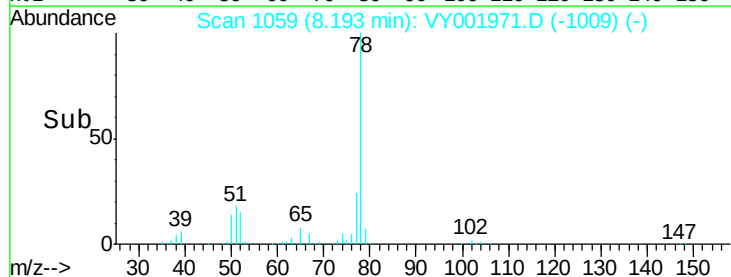
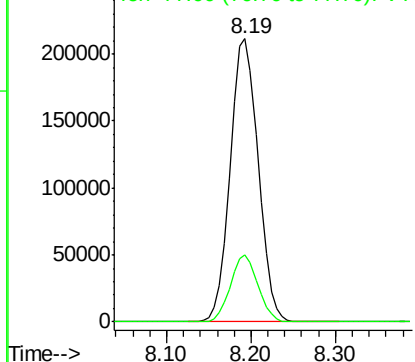


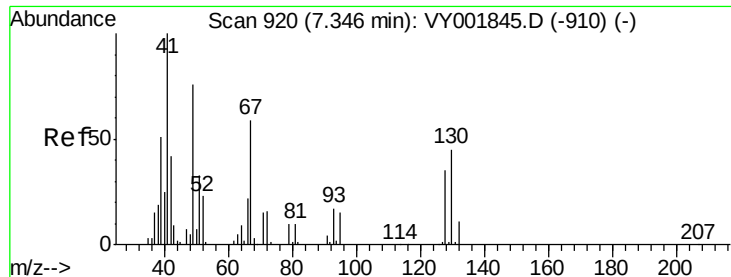
#40
Benzene
Concen: 52.428 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	78.00	Resp	474545
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 58.305 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 46571

Ion Ratio Lower Upper

41 100

39 0.0 111.7 167.5#

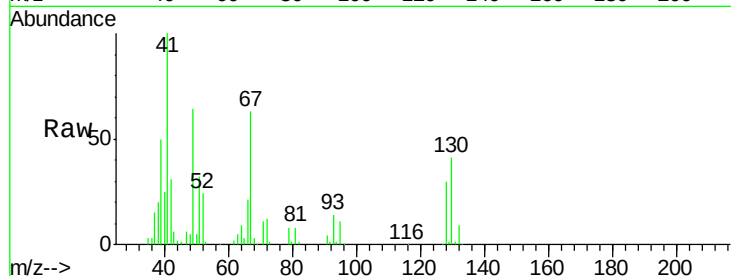
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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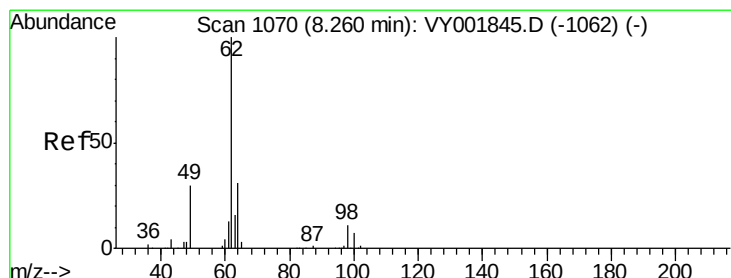
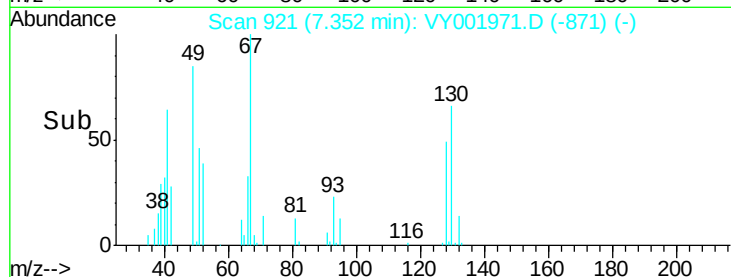
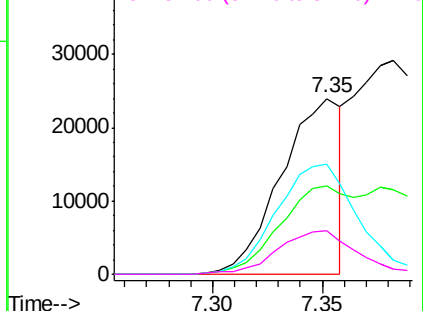


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 52.217 ug/l

RT: 8.27 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VY001971.D

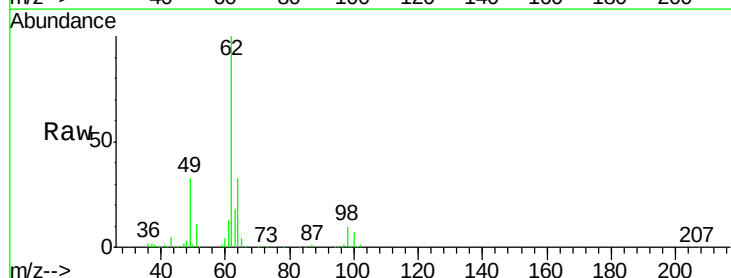
Acq: 16 Mar 2020 10:21

Tgt Ion: 62 Resp: 121790

Ion Ratio Lower Upper

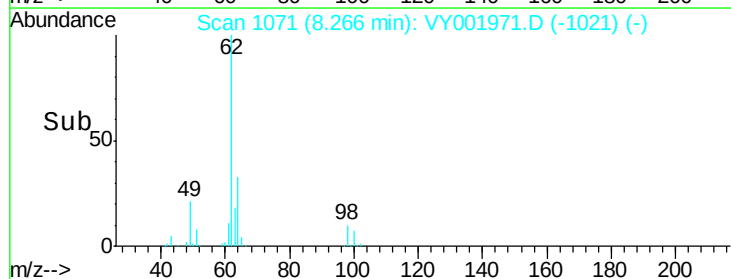
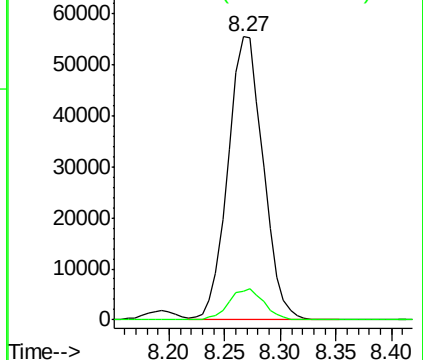
62 100

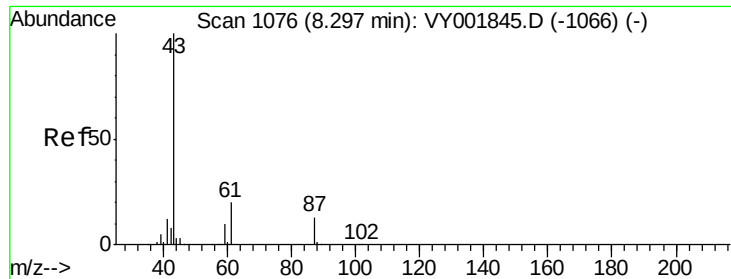
98 10.9 0.0 21.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





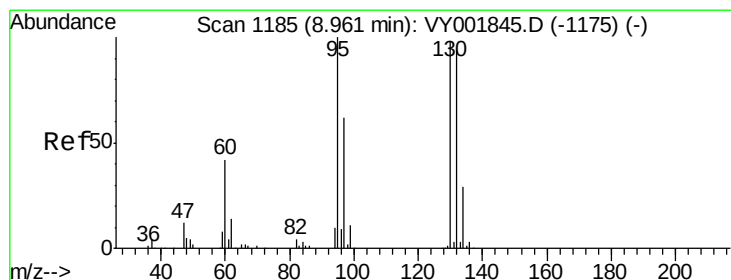
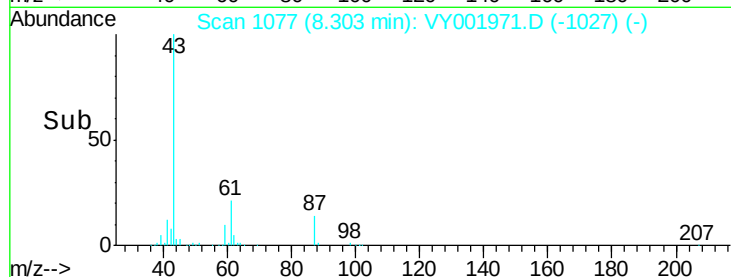
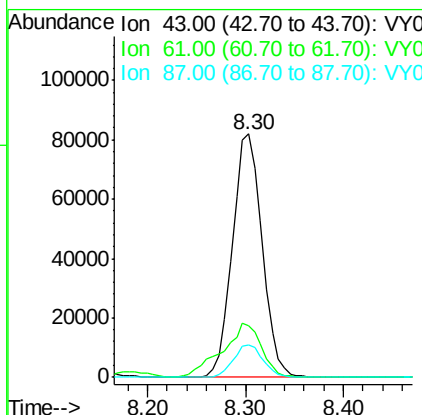
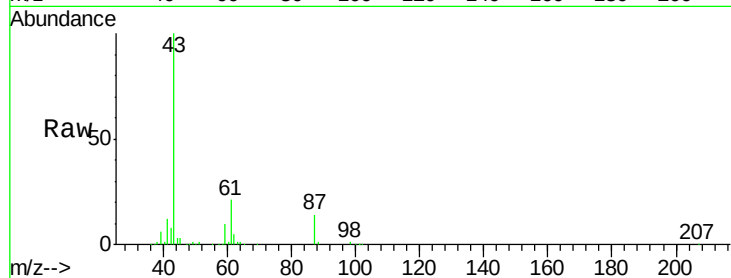
#43
Isopropyl Acetate
Concen: 51.346 ug/l
RT: 8.30 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	13.3	10.9	16.3

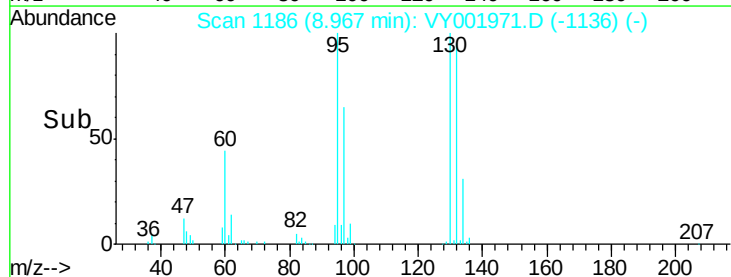
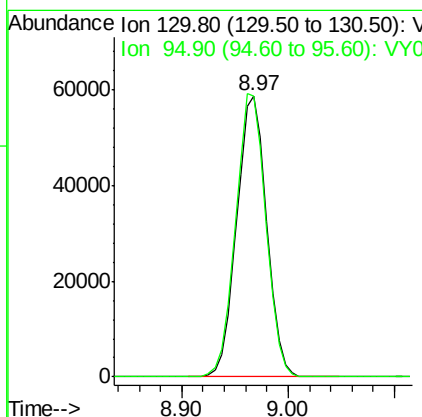
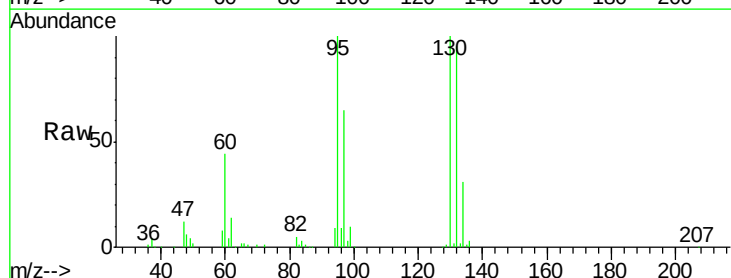
Manual Integrations
APPROVED

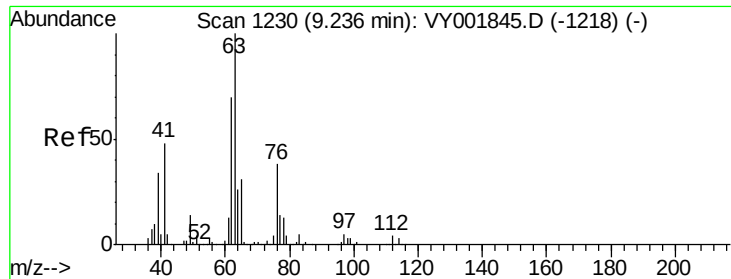
MMDadoda
3/17/2020 12:06:26 PM



#44
Trichloroethene
Concen: 52.573 ug/l
RT: 8.97 min Scan# 1186
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	204.6





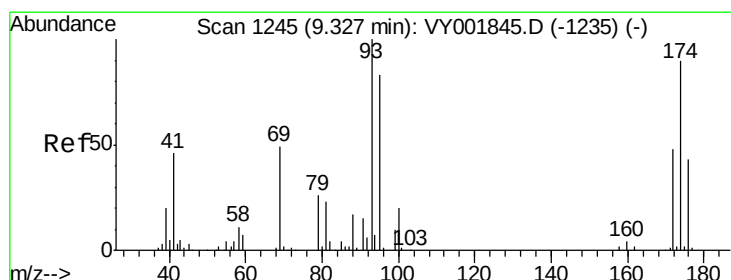
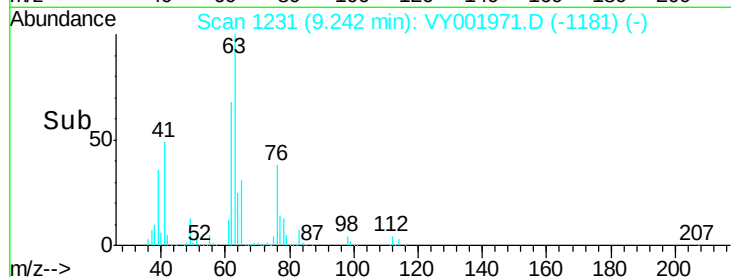
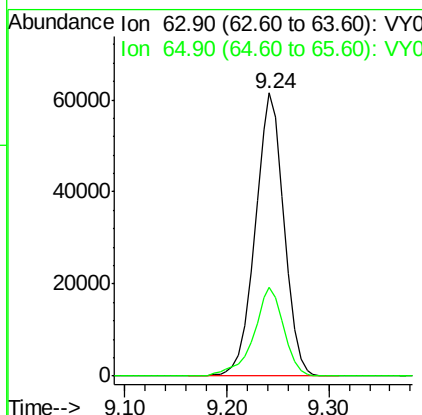
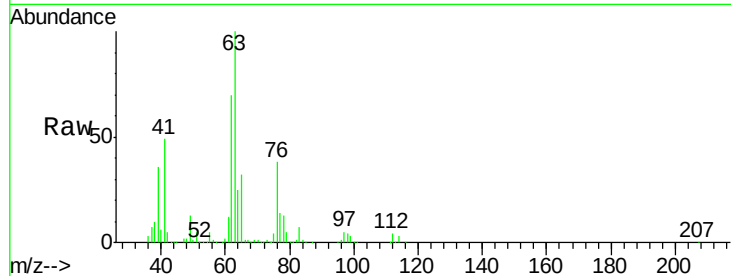
#45
 1,2-Dichloropropane
 Concen: 52.815 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 120172
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.9 37.3

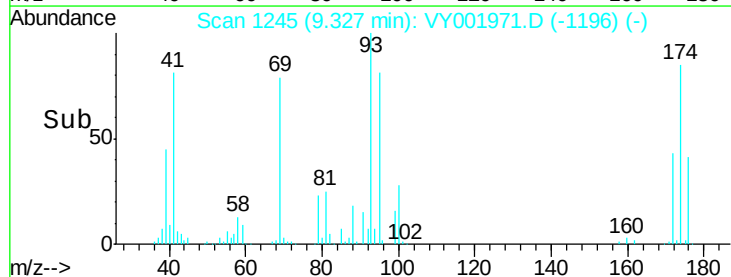
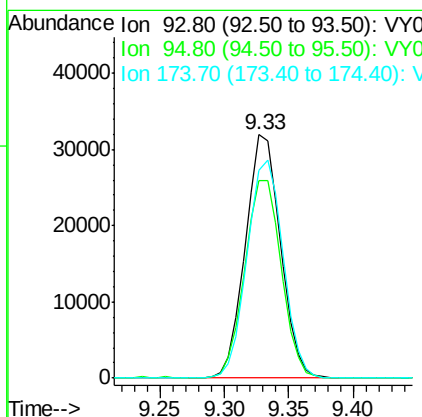
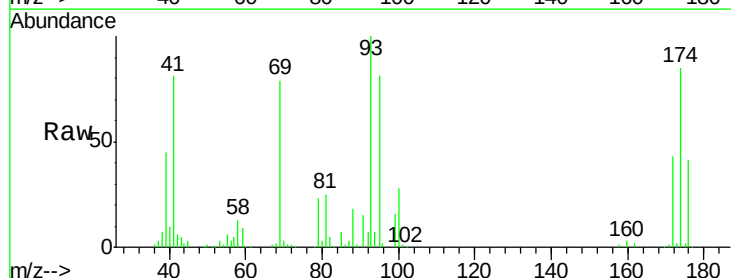
Manual Integrations
 APPROVED

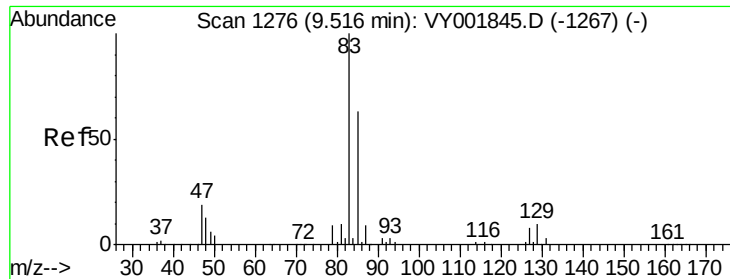
MMDadoda
 3/17/2020 12:06:26 PM



#46
 Dibromomethane
 Concen: 51.377 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.00 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion: 93 Resp: 60242
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.4
 174 91.6 71.8 107.8





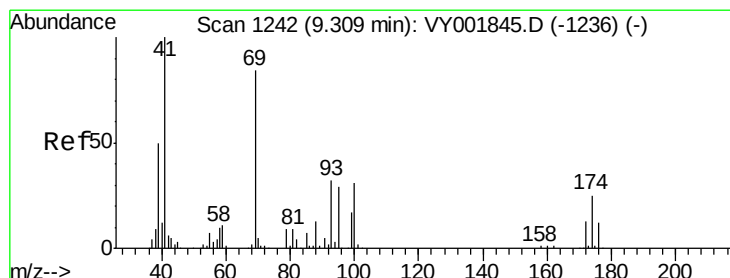
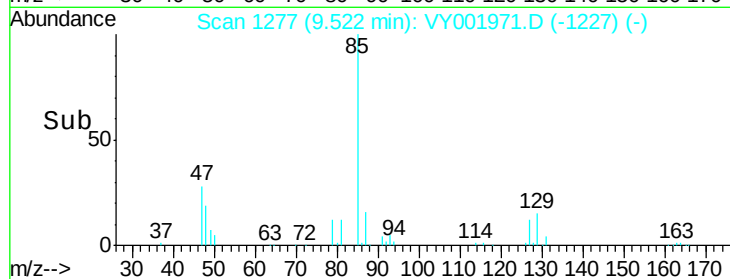
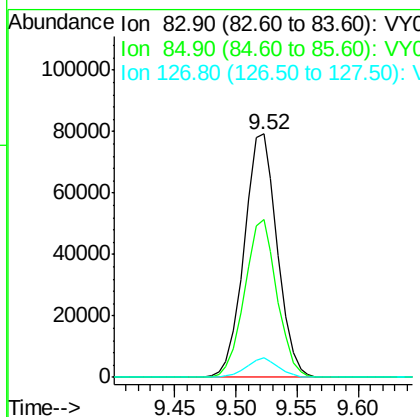
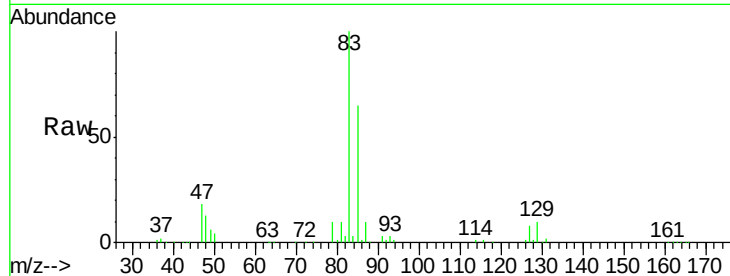
#47
Bromodichloromethane
Concen: 54.420 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	148434		
85	64.8	50.6	76.0	
127	7.9	6.2	9.4	

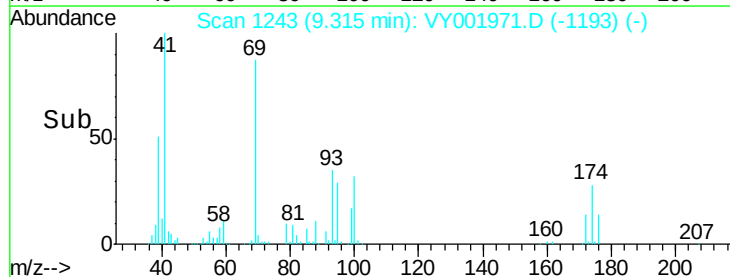
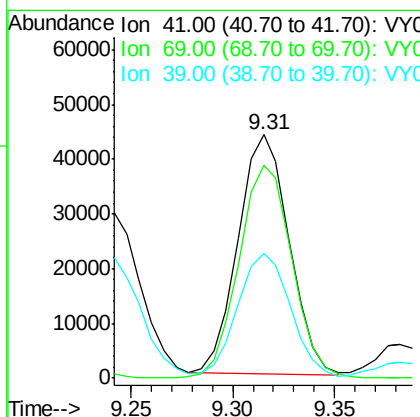
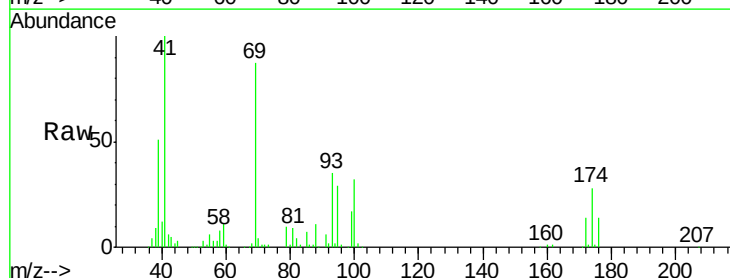
Manual Integrations
APPROVED

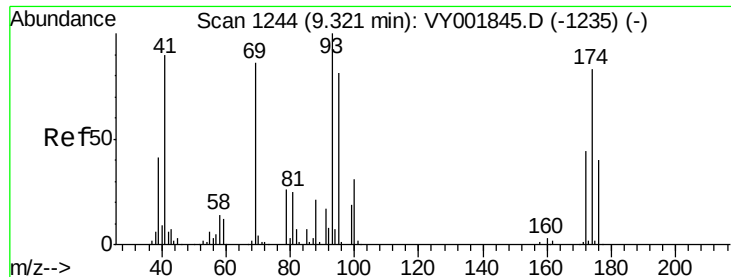
MMDadoda
3/17/2020 12:06:26 PM



#48
Methyl methacrylate
Concen: 51.085 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	76171		
69	92.5	69.0	103.6	
39	52.4	39.1	58.7	





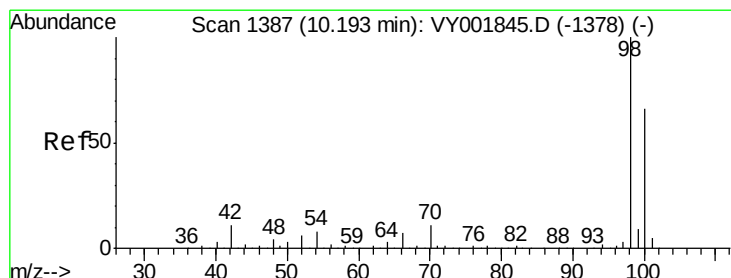
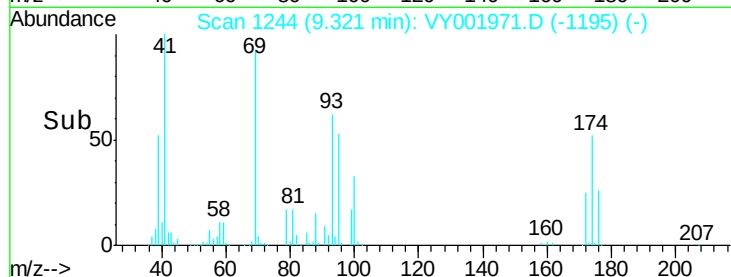
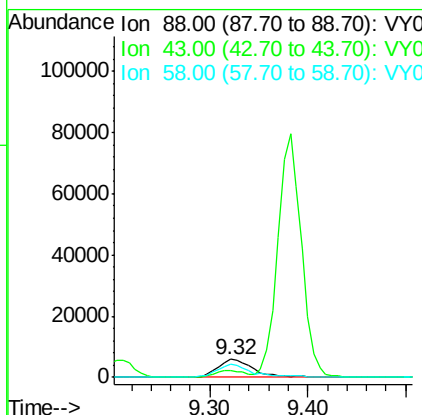
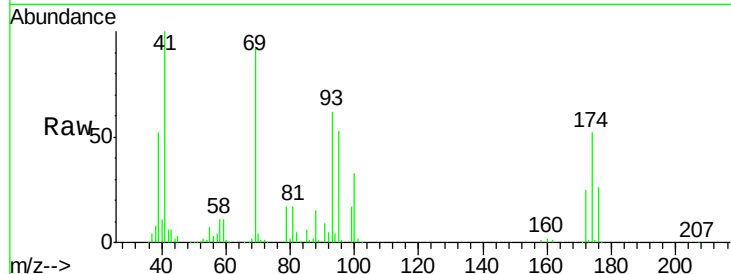
#49
1,4-Dioxane
Concen: 948.109 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15233
Ion Ratio	Lower	Upper	
88	100		
43	27.2	25.0	37.6
58	74.7	58.9	88.3

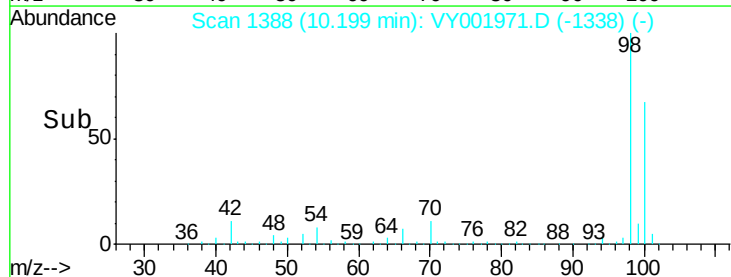
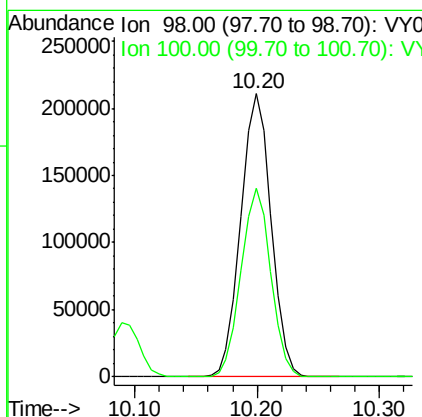
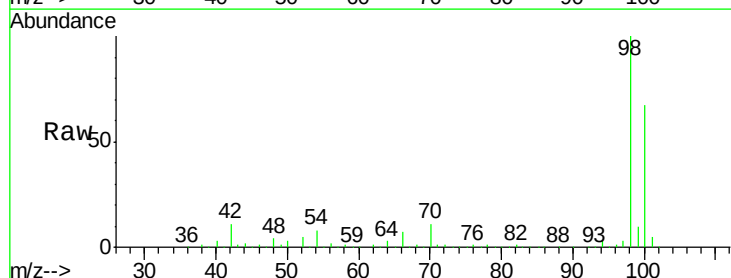
Manual Integrations
APPROVED

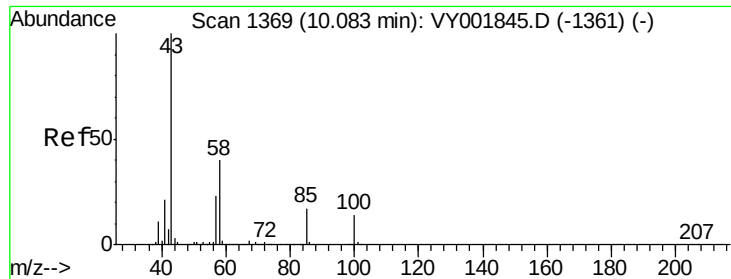
MMDadoda
3/17/2020 12:06:26 PM



#50
Toluene-d8
Concen: 49.816 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	98	Resp	364000
Ion Ratio	Lower	Upper	
98	100		
100	65.3	53.0	79.4





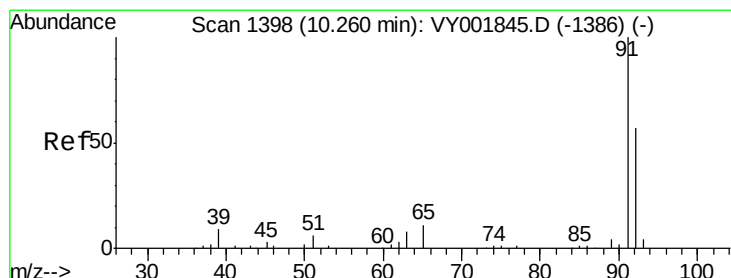
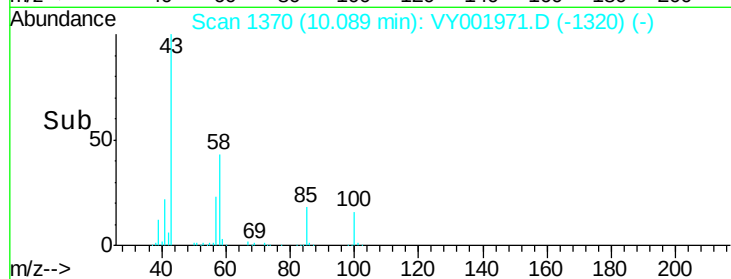
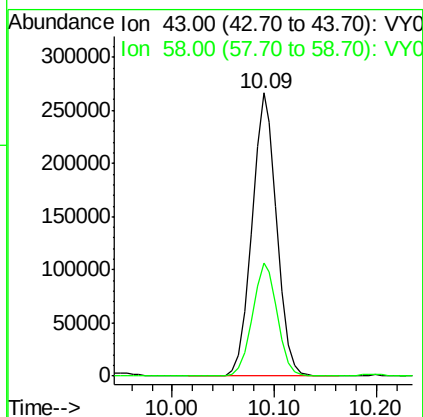
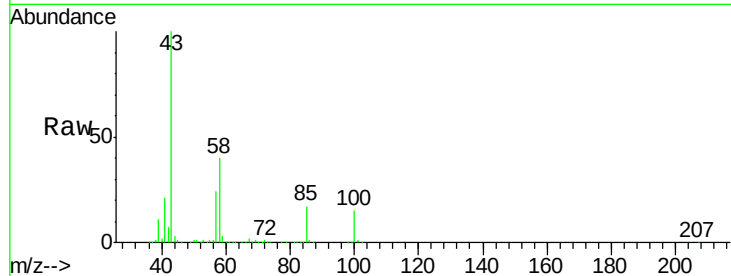
#51
4-Methyl-2-Pentanone
Concen: 258.990 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	448257
Ion Ratio	100	Lower	Upper
43	100		
58	40.4	32.0	48.0

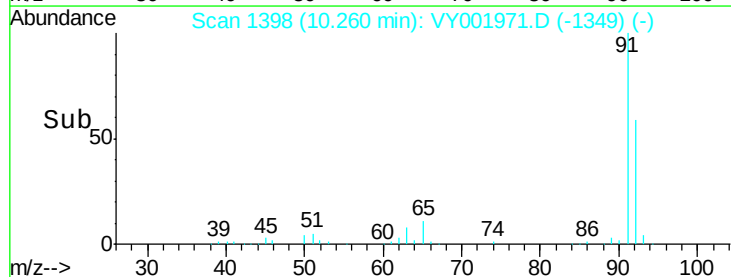
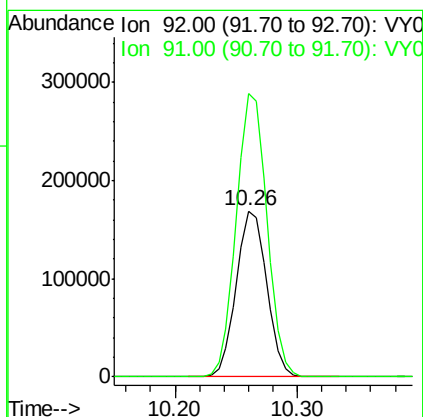
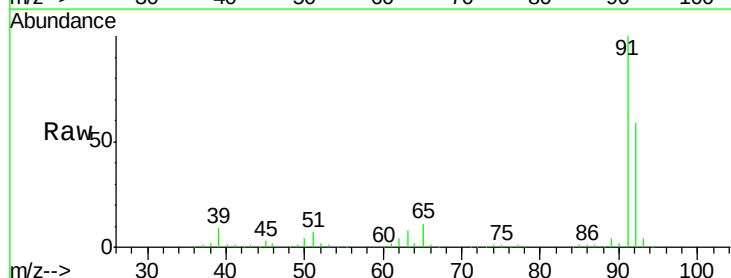
Manual Integrations
APPROVED

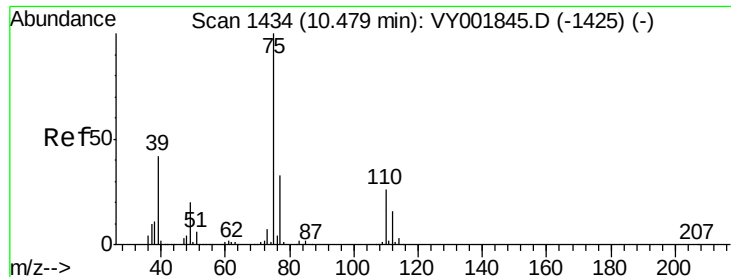
MMDadoda
3/17/2020 12:06:26 PM



#52
Toluene
Concen: 53.023 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	92	Resp	291547
Ion Ratio	100	Lower	Upper
92	100		
91	171.7	138.6	208.0





#53

t-1,3-Dichloropropene

Concen: 54.753 ug/l

RT: 10.49 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 162705

Ion Ratio Lower Upper

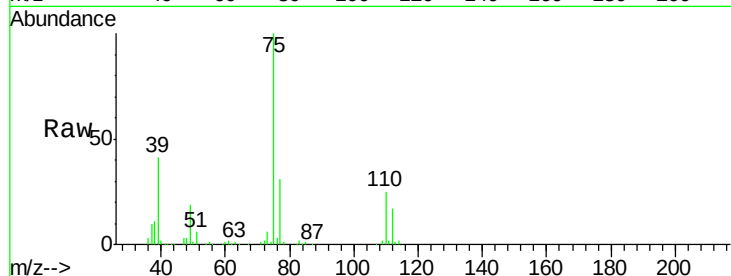
75 100

77 31.4 26.3 39.5

Manual Integrations
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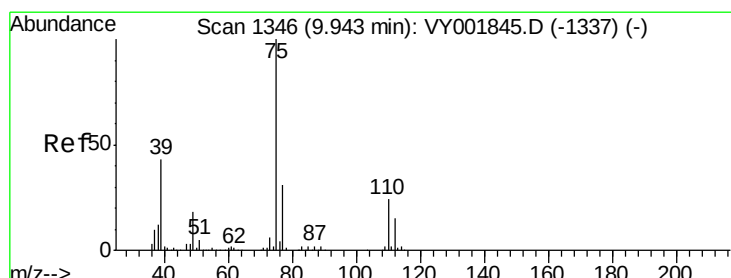
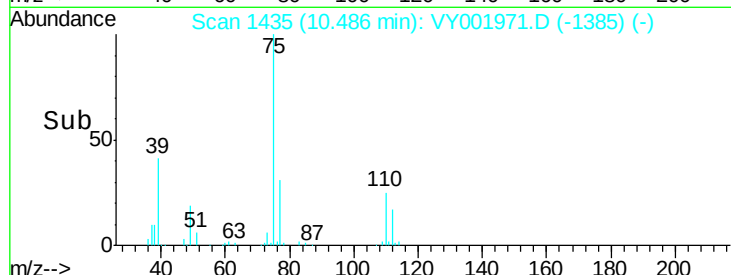
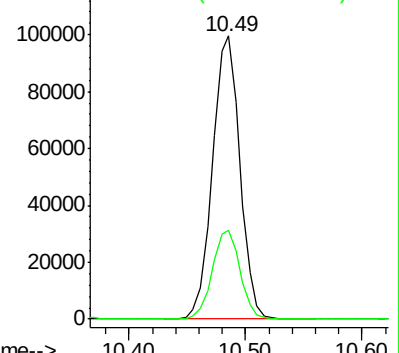
MMDadoda

3/17/2020 12:06:26 PM



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0



#54

cis-1,3-Dichloropropene

Concen: 53.889 ug/l

RT: 9.95 min Scan# 1347

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

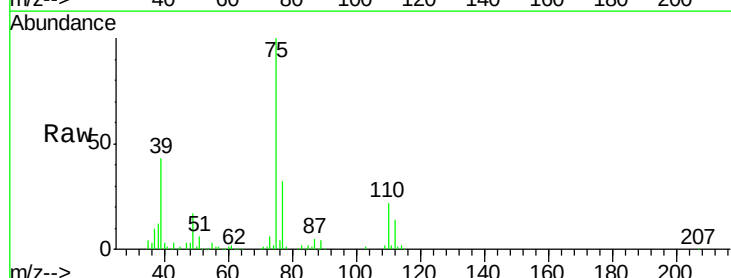
Tgt Ion: 75 Resp: 190638

Ion Ratio Lower Upper

75 100

77 31.8 25.1 37.7

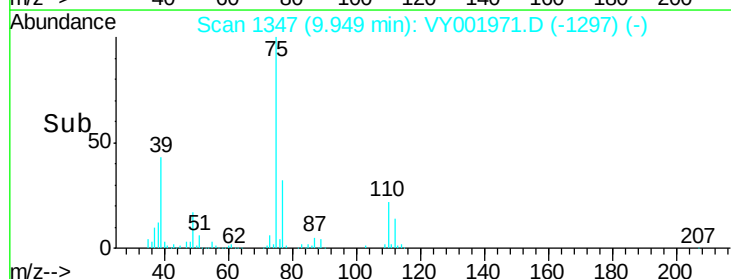
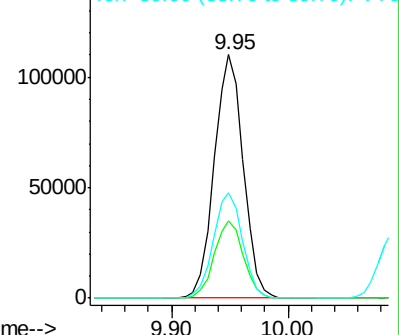
39 43.3 34.7 52.1

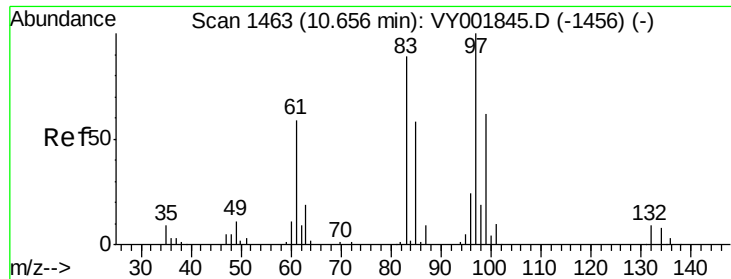


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 76.90 (76.60 to 77.60): VY0

Ion 39.00 (38.70 to 39.70): VY0





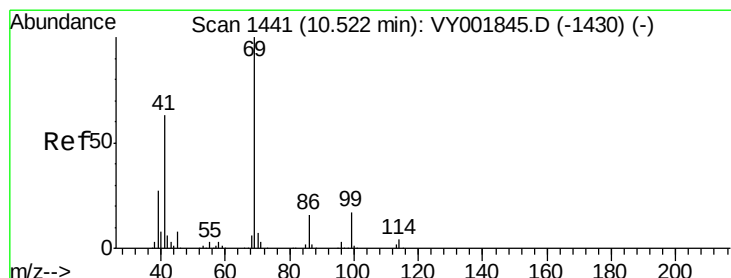
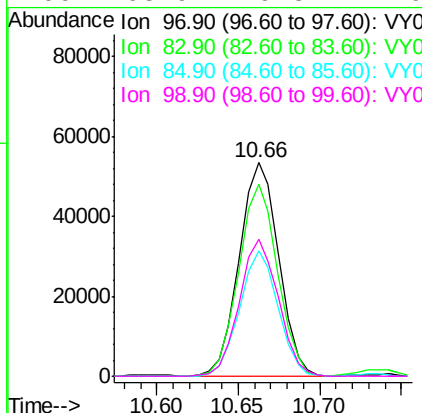
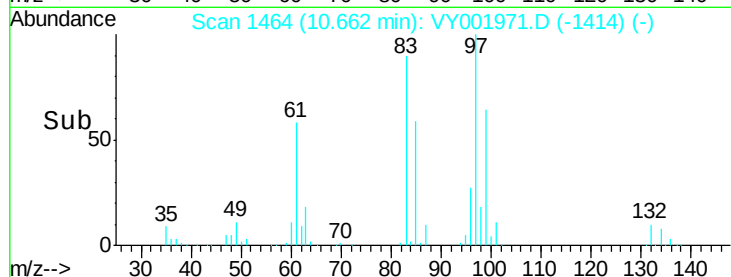
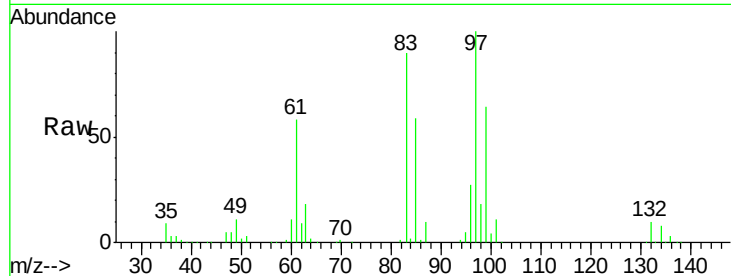
#55
1,1,2-Trichloroethane
Concen: 52.481 ug/l
RT: 10.66 min Scan# 1464
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	97	Resp	90057
Ion	Ratio	Lower	Upper
97	100		
83	90.0	71.6	107.4
85	58.9	46.6	69.8
99	63.9	49.8	74.6

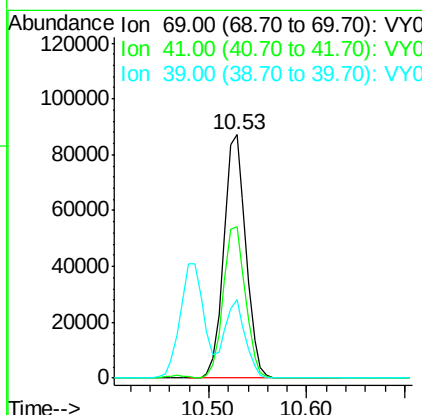
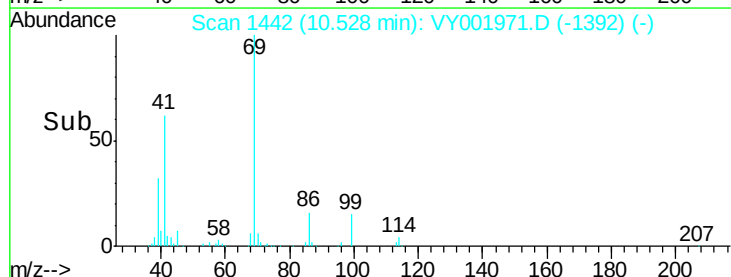
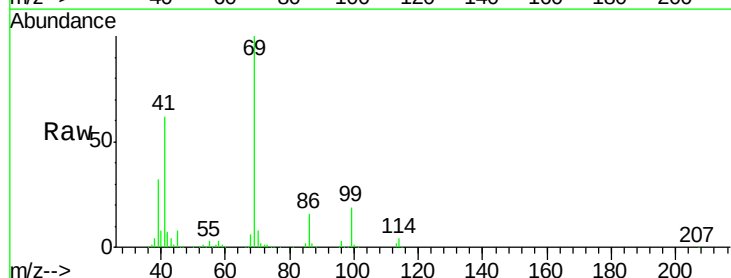
Manual Integrations
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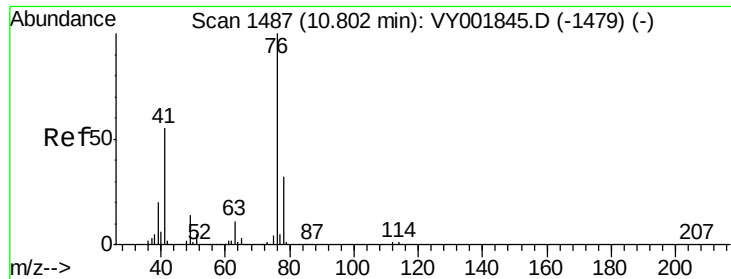
MMDadoda
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#56
Ethyl methacrylate
Concen: 53.931 ug/l
RT: 10.53 min Scan# 1442
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	69	Resp	135650
Ion	Ratio	Lower	Upper
69	100		
41	63.0	49.9	74.9
39	31.0	23.0	34.6





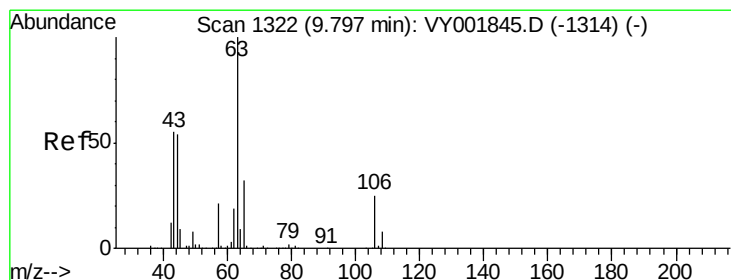
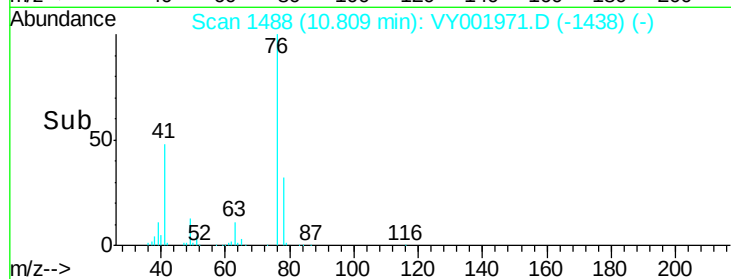
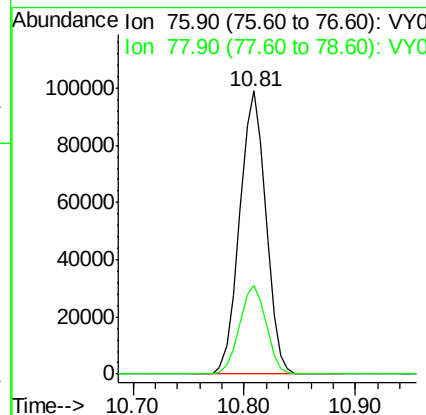
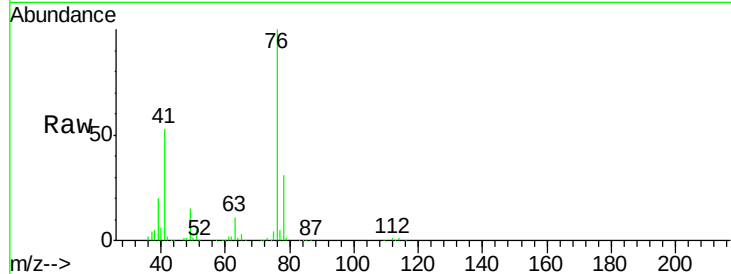
#57
 1,3-Dichloropropane
 Concen: 52.732 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 161297
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6

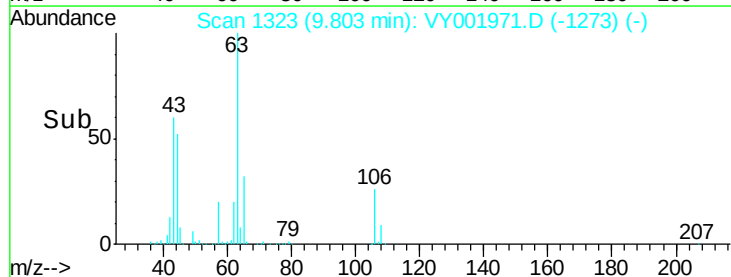
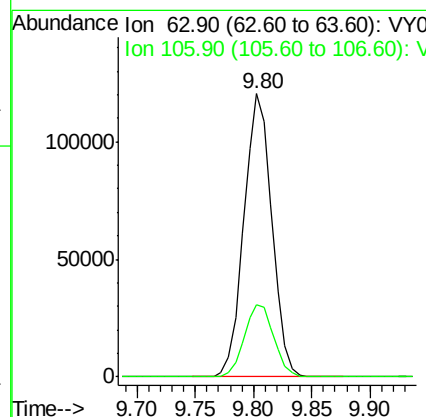
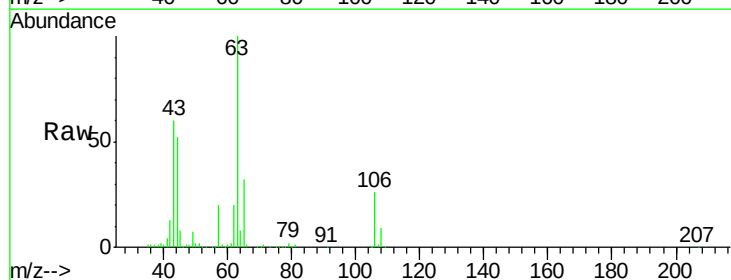
Manual Integrations
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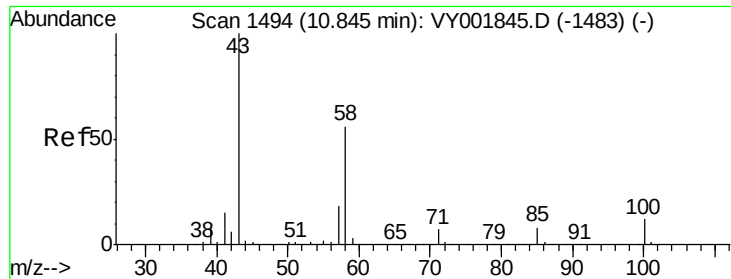
MMDadoda
 3/17/2020 12:06:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.200 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion: 63 Resp: 201582
 Ion Ratio Lower Upper
 63 100
 106 26.8 21.3 31.9





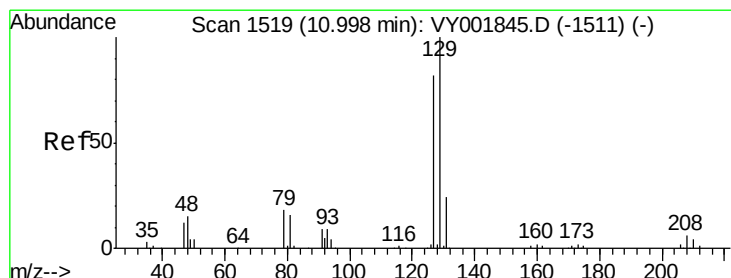
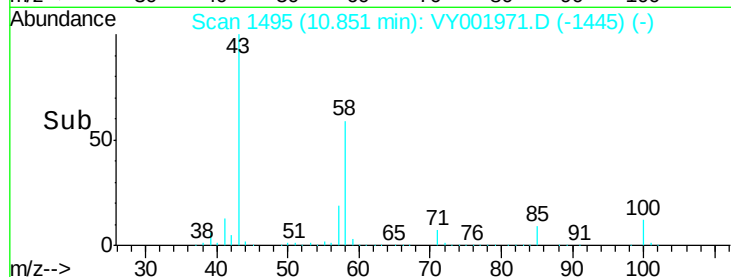
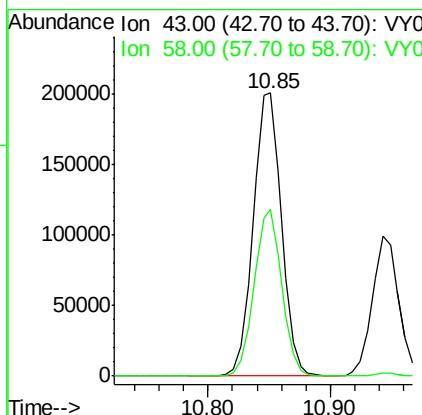
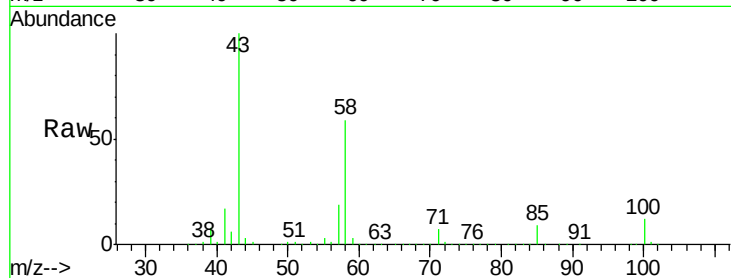
#59
2-Hexanone
Concen: 261.510 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 323058
Ion Ratio Lower Upper
43 100
58 57.5 28.1 84.3

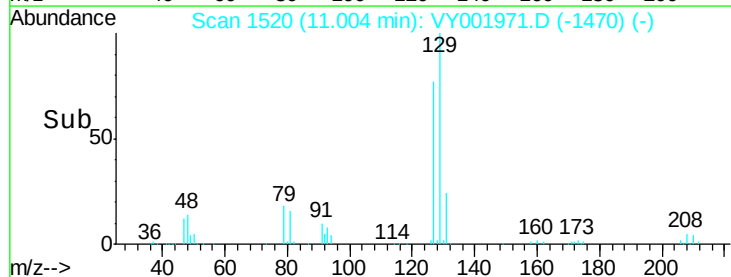
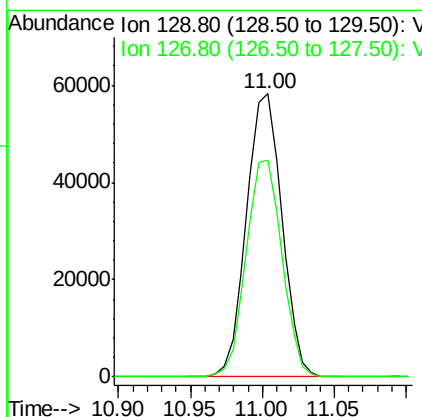
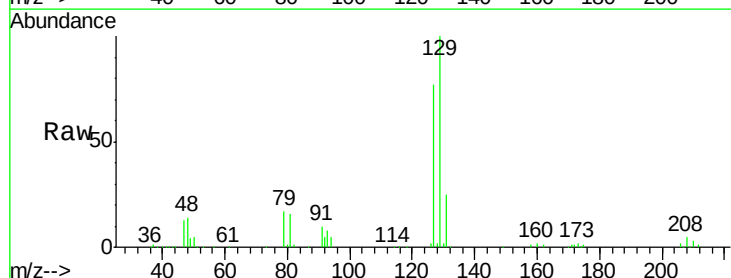
Manual Integrations
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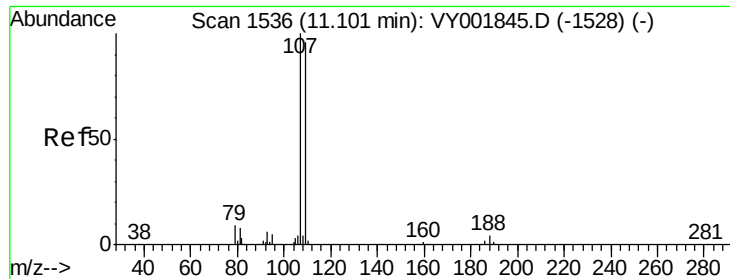
MMDadoda
3/17/2020 12:06:26 PM



#60
Dibromochloromethane
Concen: 55.060 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion: 129 Resp: 99559
Ion Ratio Lower Upper
129 100
127 77.1 39.0 117.0





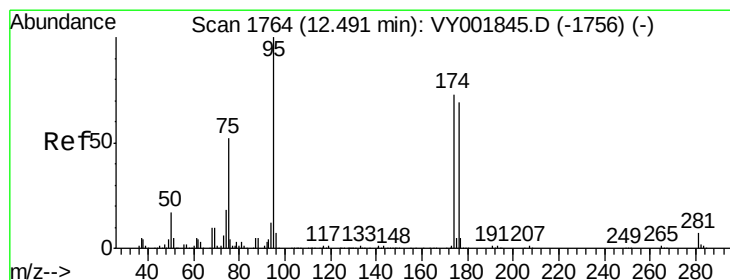
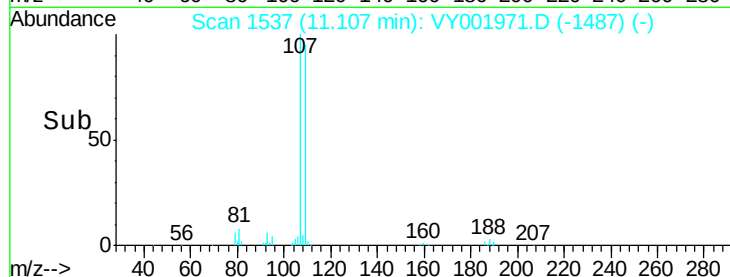
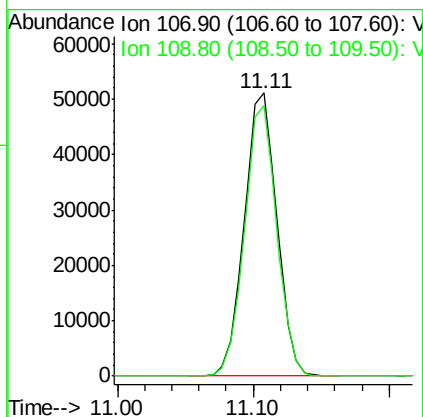
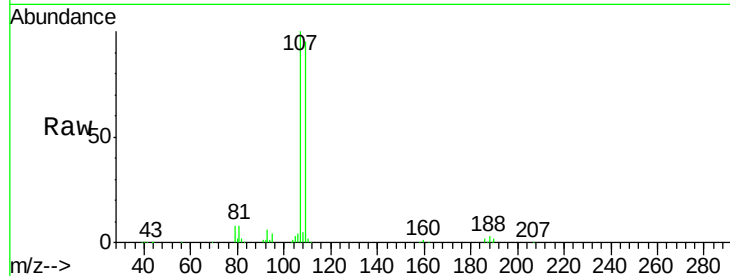
#61
 1,2-Dibromoethane
 Concen: 52.834 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 85881
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.4 113.0

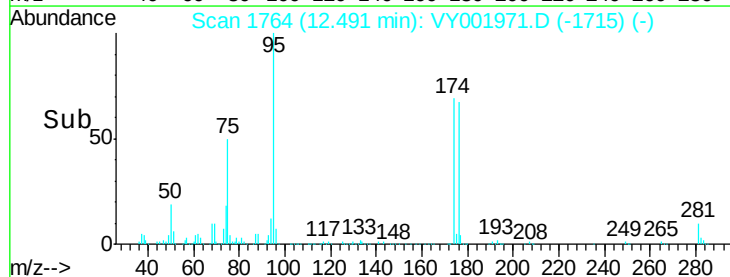
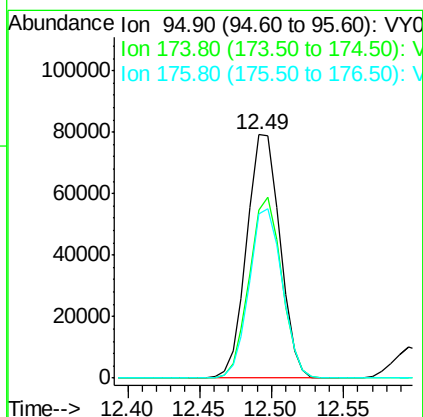
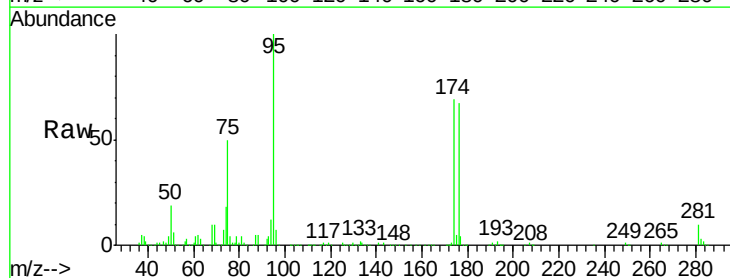
Manual Integrations
 APPROVED

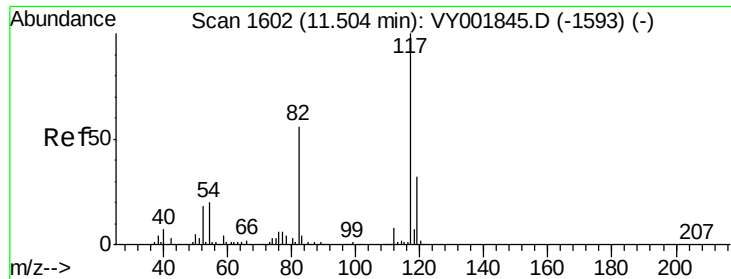
MMDadoda
 3/17/2020 12:06:26 PM



#62
 4-Bromofluorobenzene
 Concen: 49.729 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion: 95 Resp: 126347
 Ion Ratio Lower Upper
 95 100
 174 72.4 0.0 145.0
 176 68.9 0.0 137.4





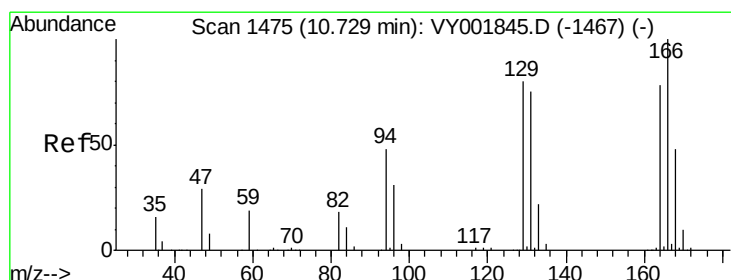
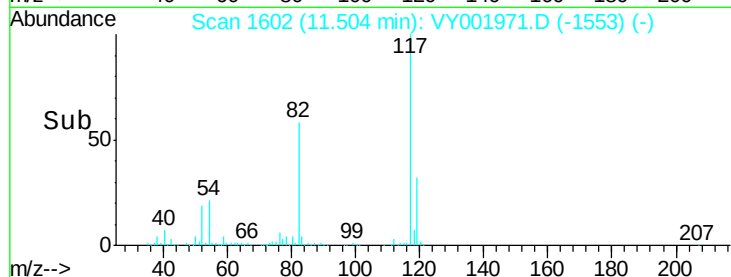
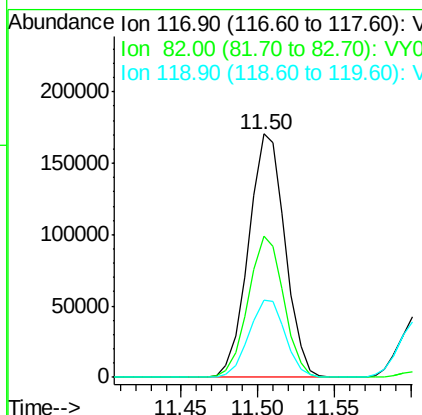
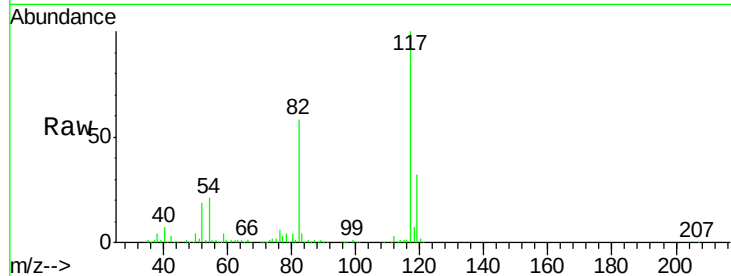
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282916		
82	58.0		44.5	66.7
119	32.0		25.7	38.5

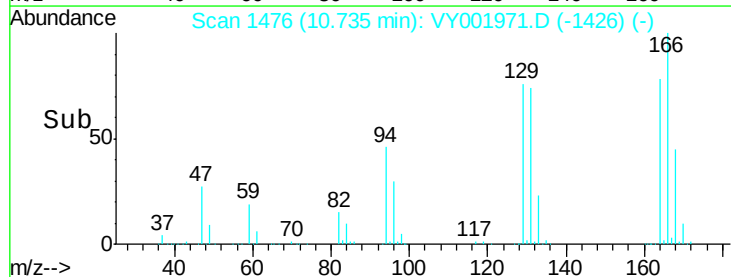
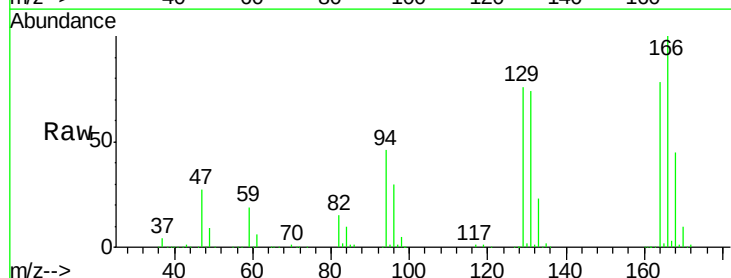
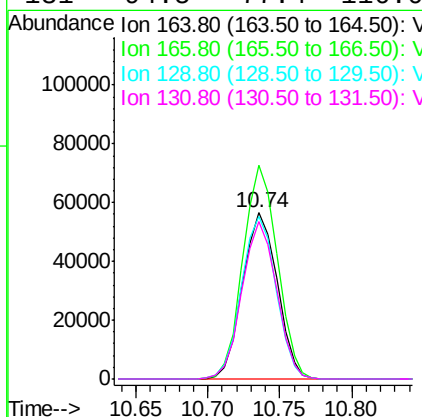
Manual Integrations
APPROVED

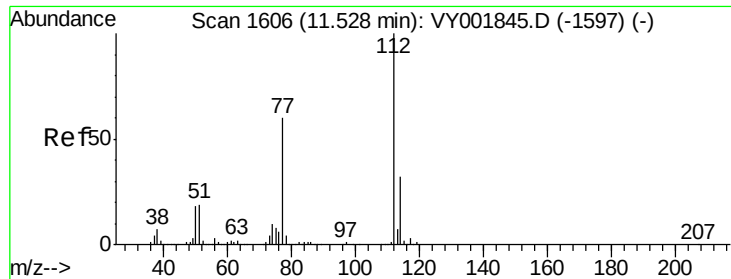
MMDadoda
3/17/2020 12:06:26 PM



#64
Tetrachloroethene
Concen: 53.337 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	94632		
166	128.5		102.6	154.0
129	97.6		82.3	123.5
131	94.5		77.4	116.0





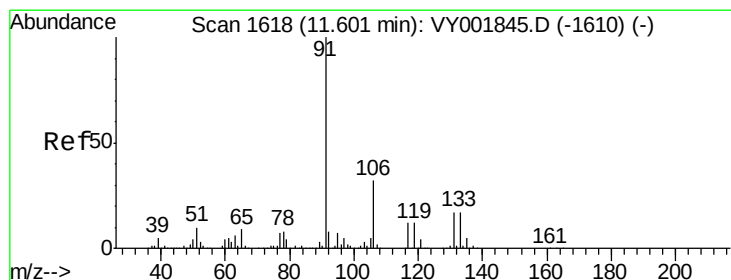
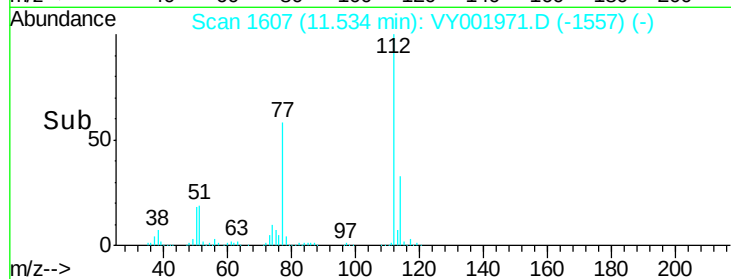
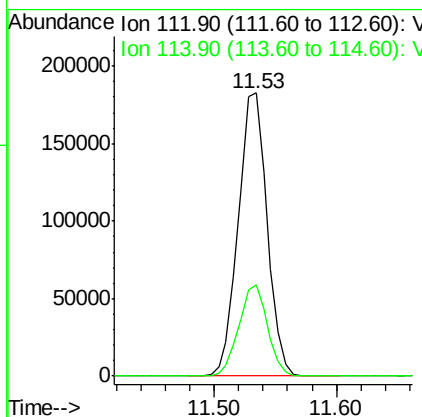
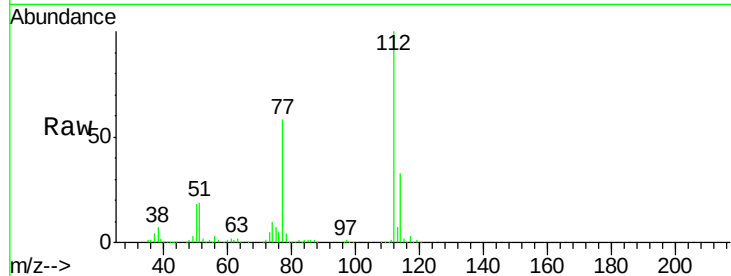
#65
Chlorobenzene
Concen: 52.810 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 297704
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

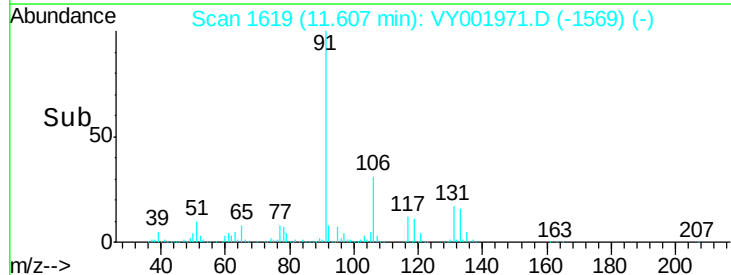
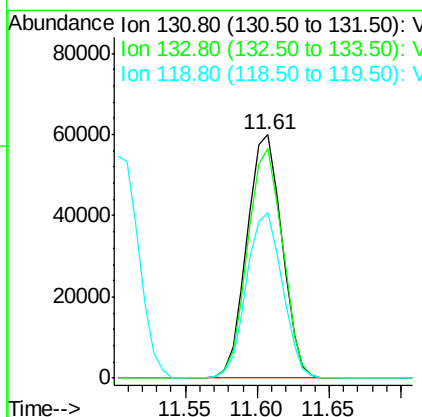
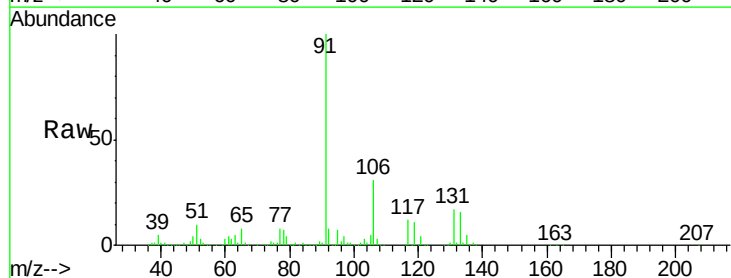
Manual Integrations
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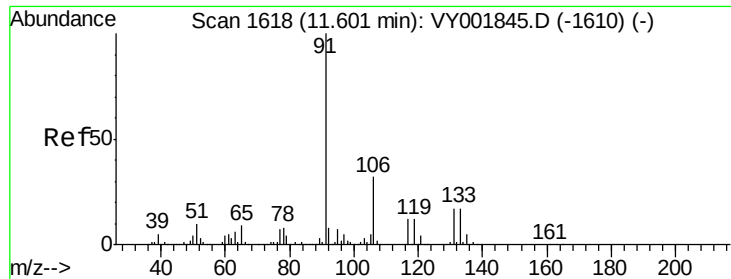
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.788 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion:131 Resp: 101283
Ion Ratio Lower Upper
131 100
133 93.9 47.1 141.3
119 69.2 34.5 103.6





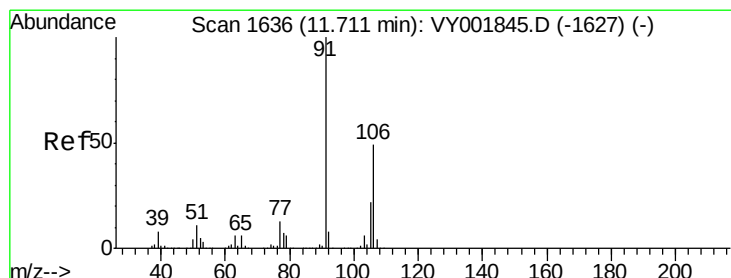
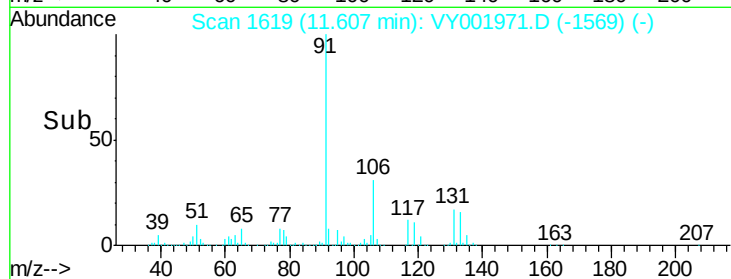
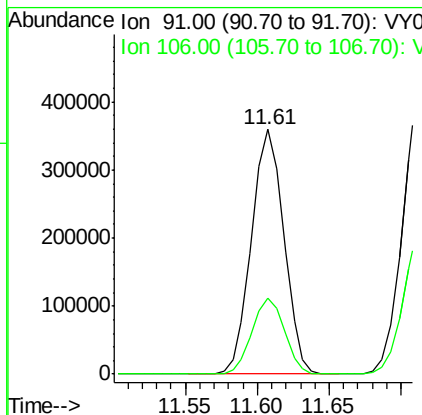
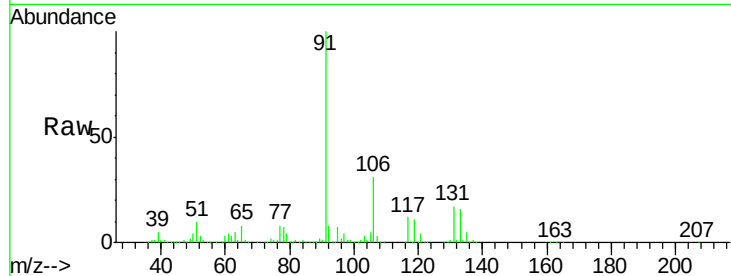
#67
Ethyl Benzene
Concen: 53.316 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.4	38.2

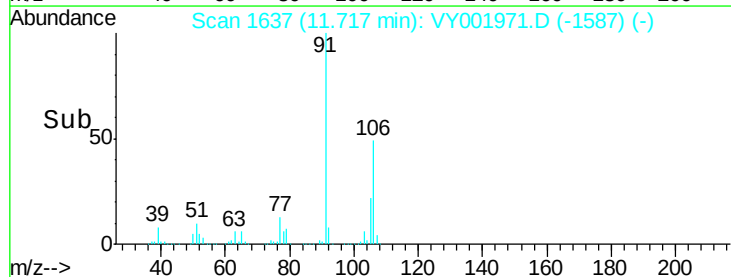
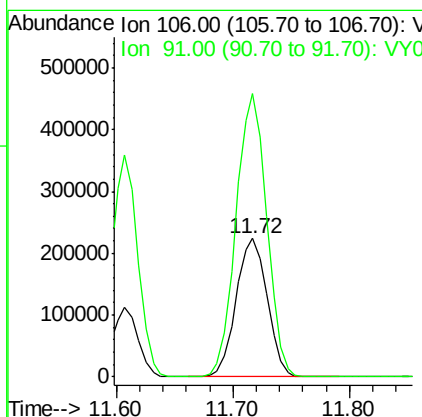
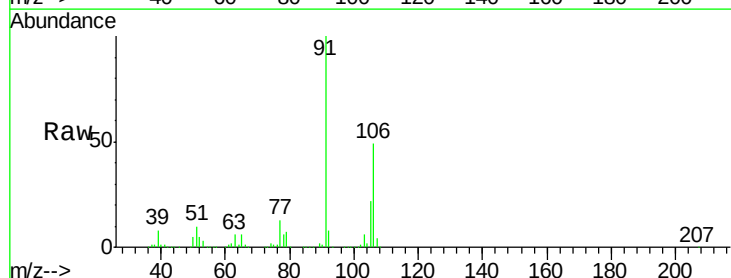
Manual Integrations
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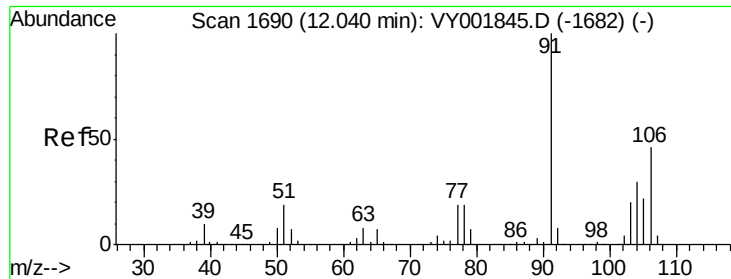
MMDadoda
3/17/2020 12:06:26 PM



#68
m/p-Xylenes
Concen: 107.132 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
106	100		
91	201.8	161.3	241.9





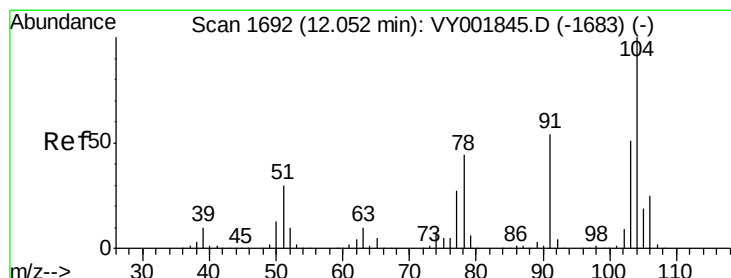
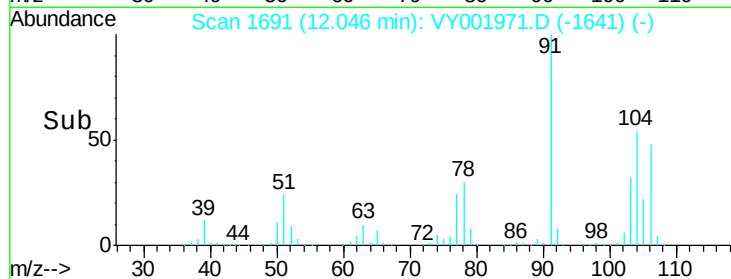
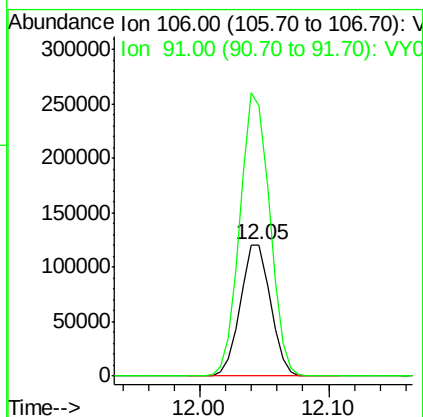
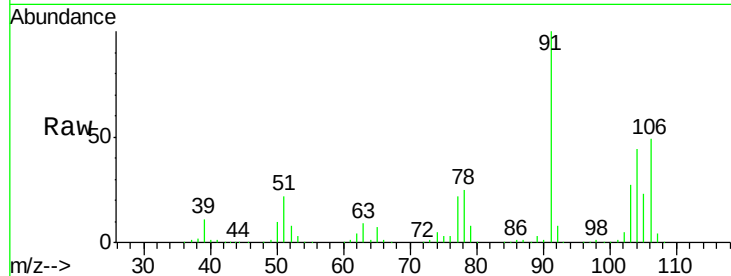
#69
o-Xylene
Concen: 53.443 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 195788
Ion Ratio Lower Upper
106 100
91 212.6 106.8 320.4

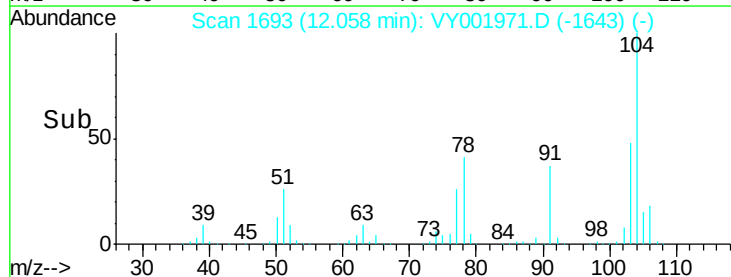
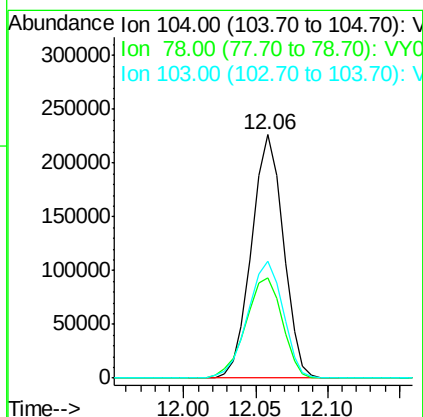
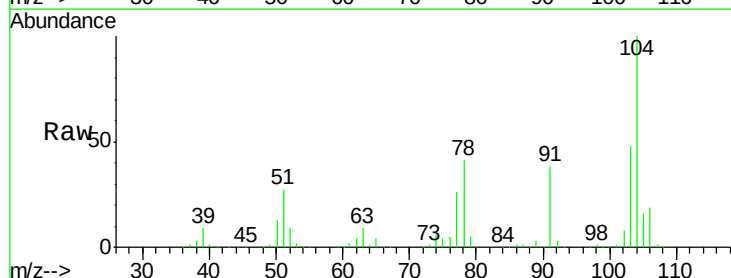
Manual Integrations
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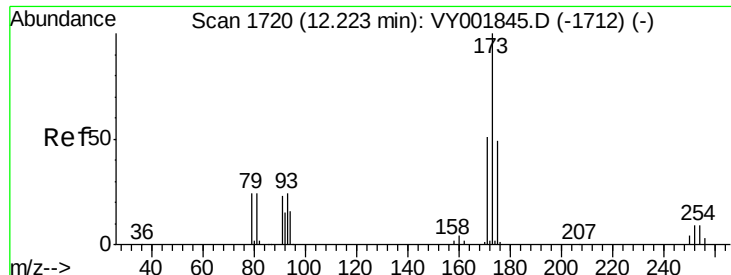
MMDadoda
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#70
Styrene
Concen: 55.112 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion:104 Resp: 345803
Ion Ratio Lower Upper
104 100
78 47.4 38.5 57.7
103 53.2 42.9 64.3





#71

Bromoform

Concen: 56.473 ug/l

RT: 12.22 min Scan# 1720

Delta R.T. 0.00 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 56616

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.8

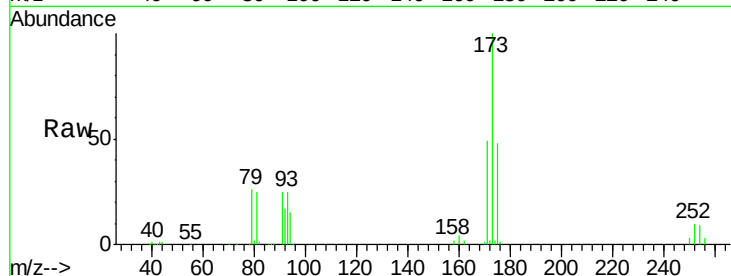
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

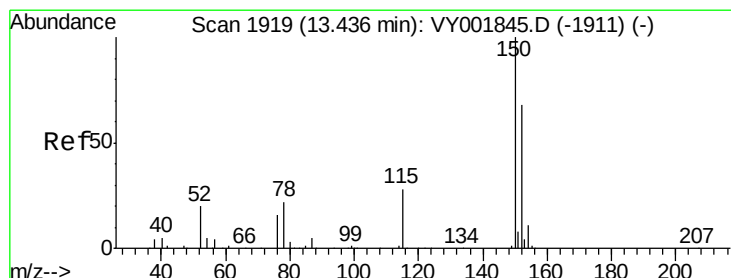
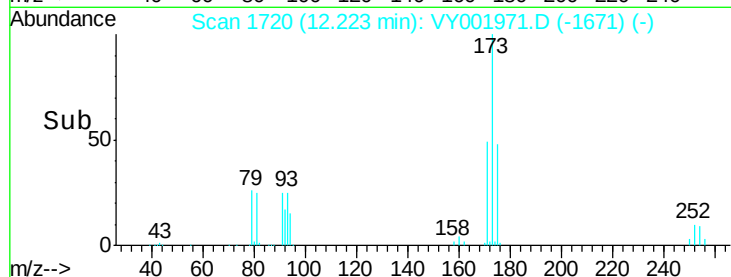
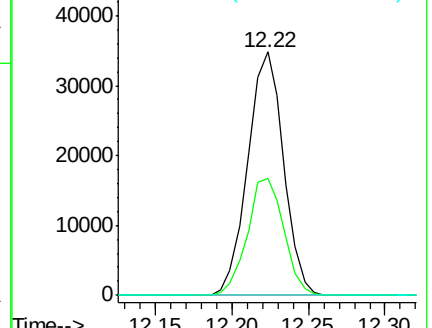
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.44 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

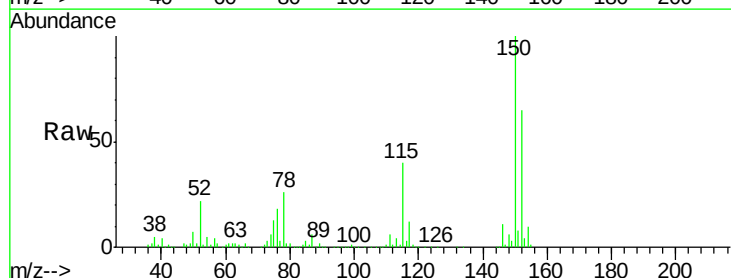
Tgt Ion:152 Resp: 131805

Ion Ratio Lower Upper

152 100

115 60.8 29.9 89.7

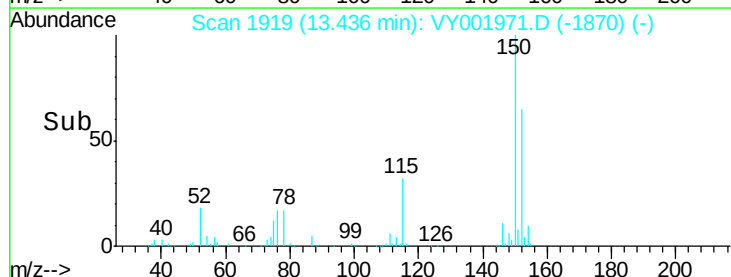
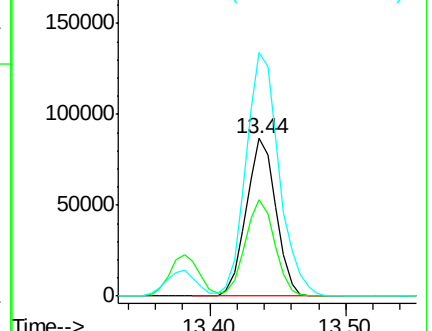
150 172.7 0.0 340.6

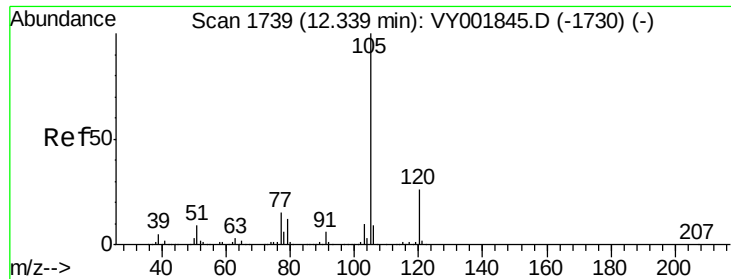


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





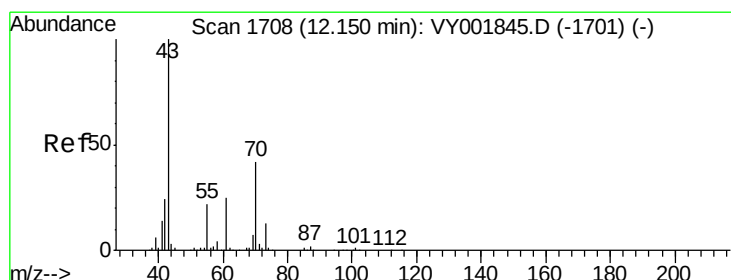
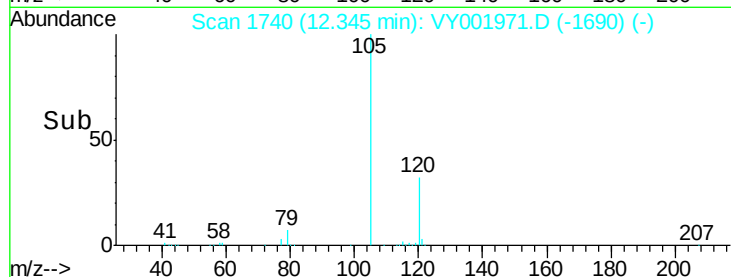
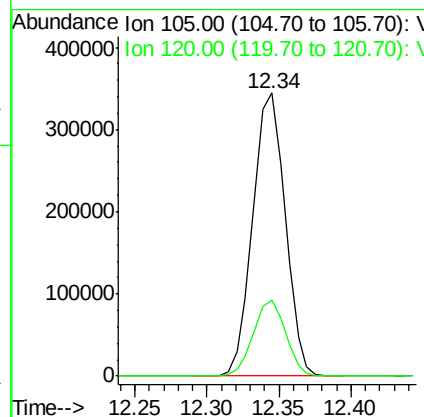
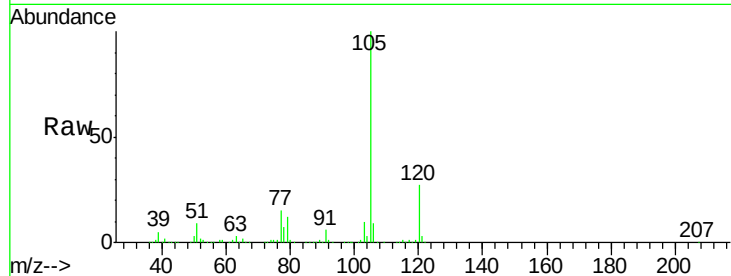
#73
Isopropylbenzene
Concen: 53.226 ug/l
RT: 12.34 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.1	39.3

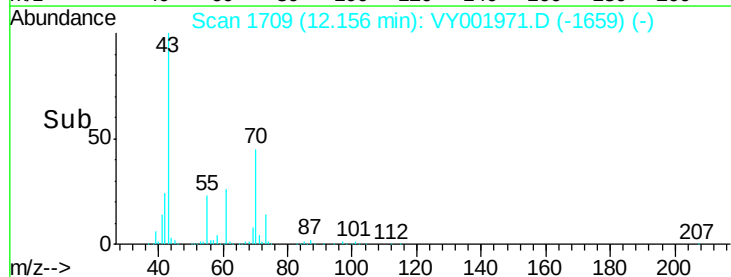
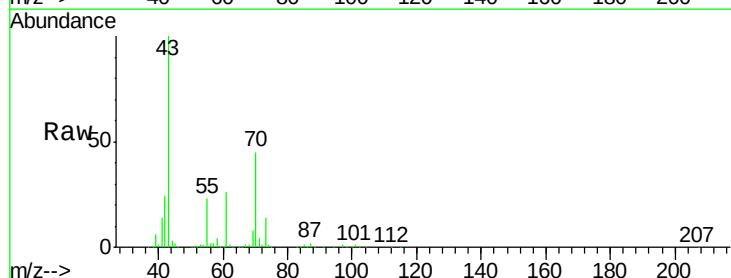
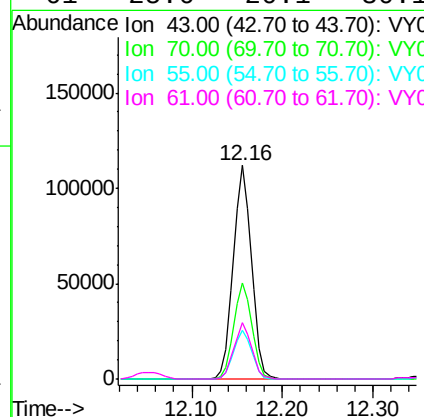
Manual Integrations
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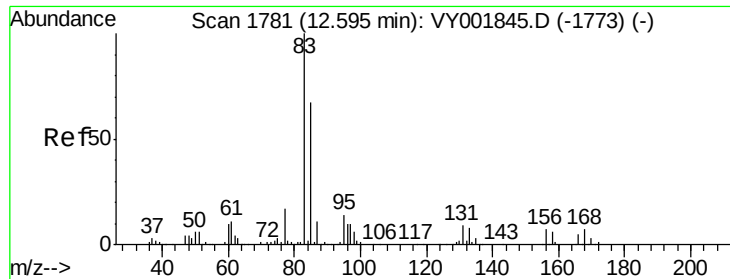
MMDadoda
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#74
N-ethyl acetate
Concen: 50.502 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.8	34.7	52.1
55	23.0	18.2	27.4
61	25.6	20.1	30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 51.669 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

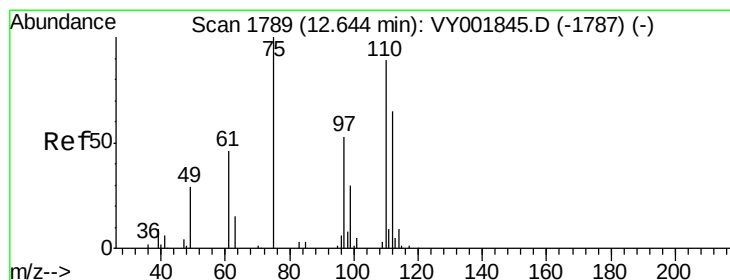
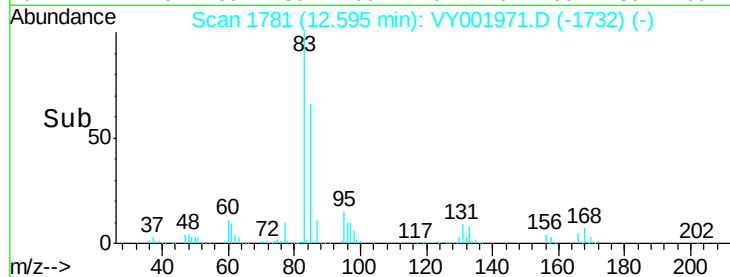
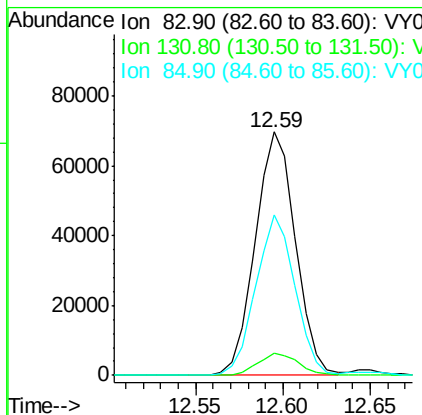
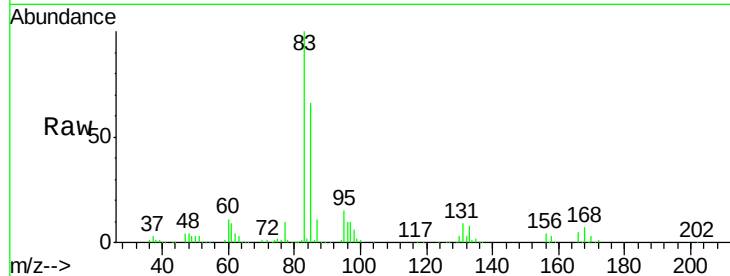
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	112111
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.6	13.8
85	64.2	32.1	96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.778 ug/l m

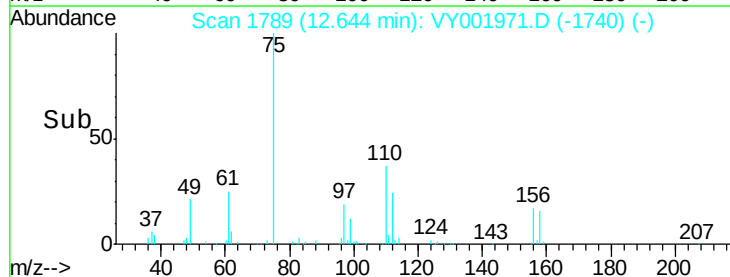
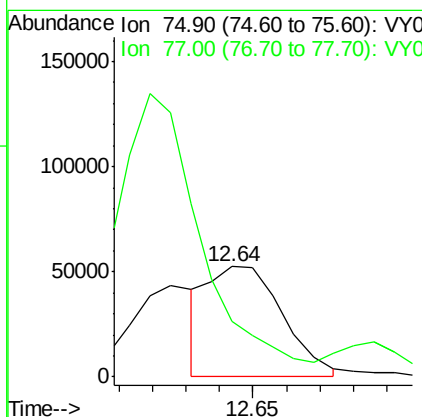
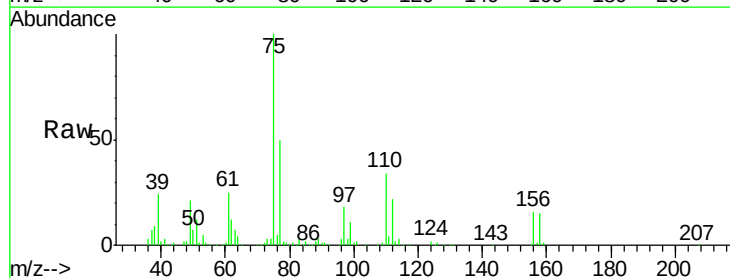
RT: 12.64 min Scan# 1789

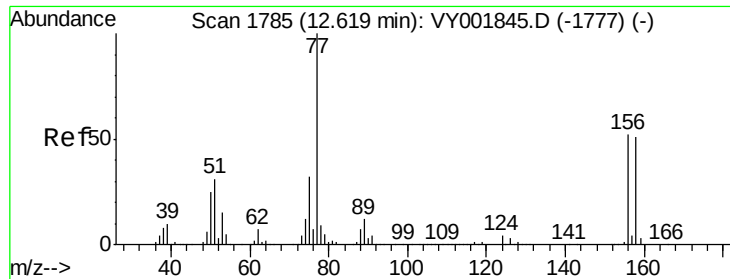
Delta R.T. 0.00 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion:	75	Resp:	80978
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.039 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

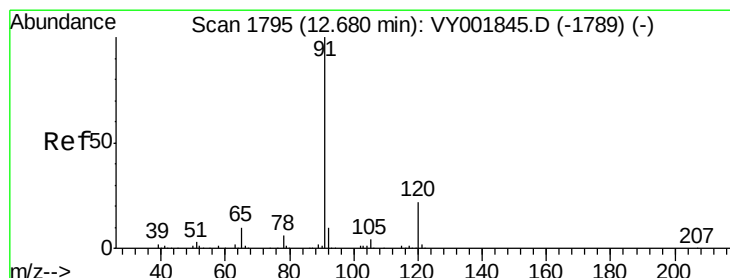
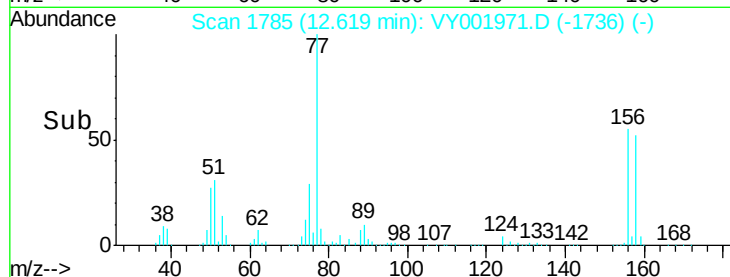
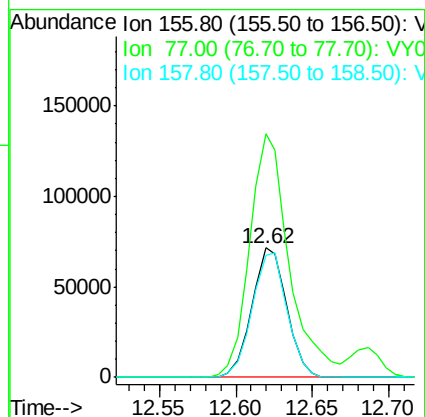
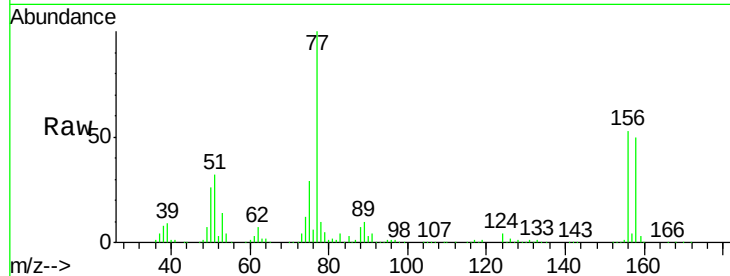
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	213.8	109.0	327.0	
158	96.5	48.9	146.8	

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#78

n-propylbenzene

Concen: 53.104 ug/l

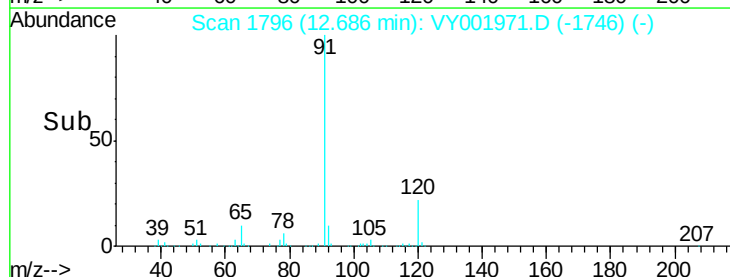
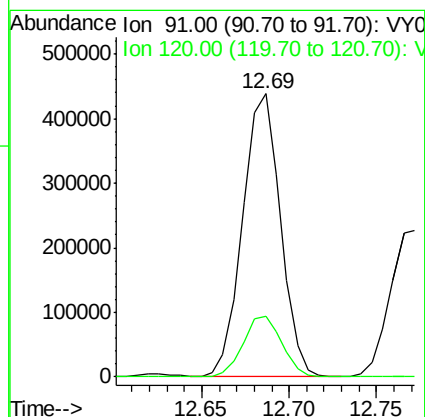
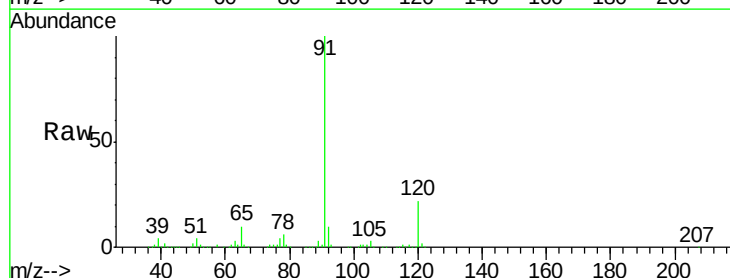
RT: 12.69 min Scan# 1796

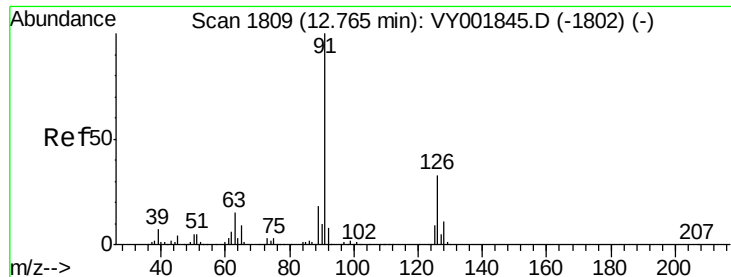
Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.1	11.0	33.0	





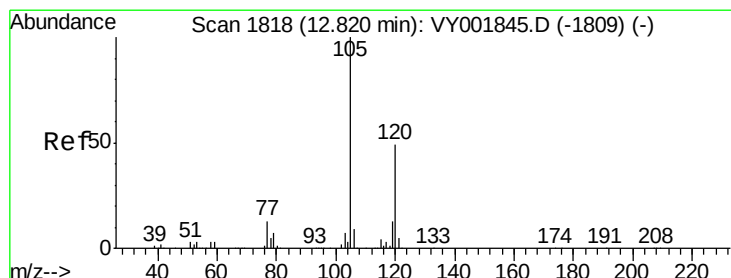
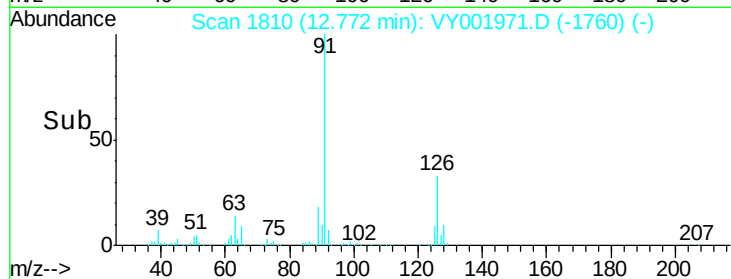
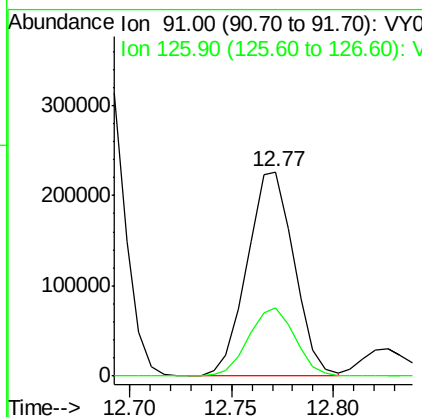
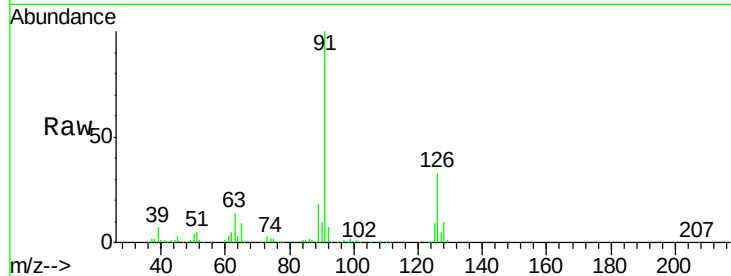
#79
2-Chlorotoluene
Concen: 52.882 ug/l
RT: 12.77 min Scan# 1810
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 362665
Ion Ratio Lower Upper
91 100
126 33.1 16.3 48.8

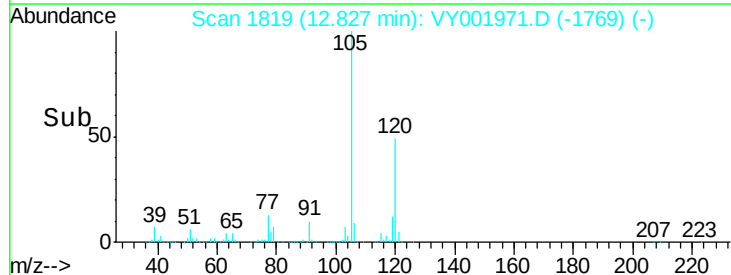
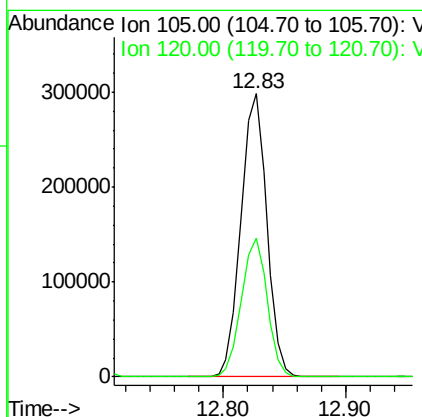
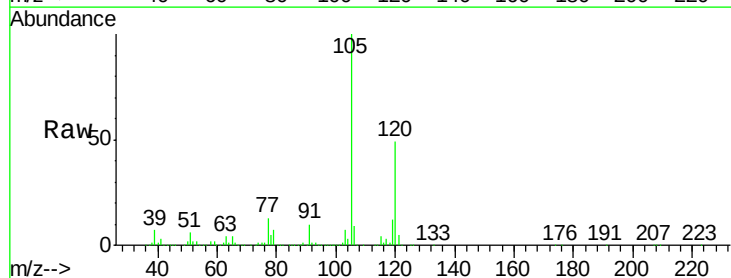
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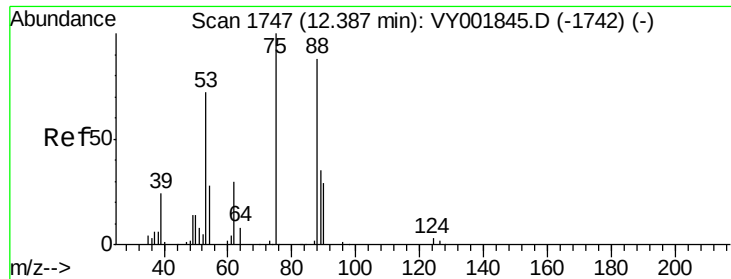
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#80
1,3,5-Trimethylbenzene
Concen: 52.862 ug/l
RT: 12.83 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion: 105 Resp: 437870
Ion Ratio Lower Upper
105 100
120 49.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 54.117 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

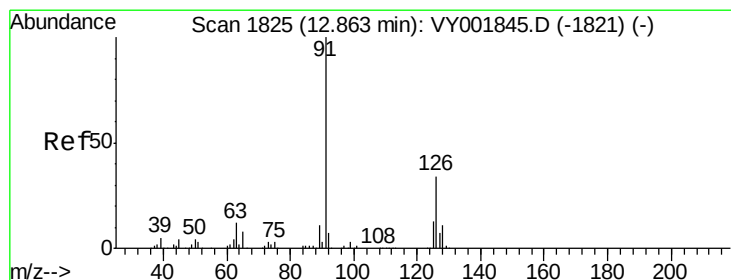
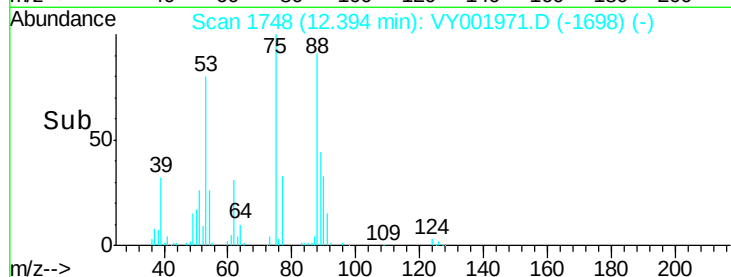
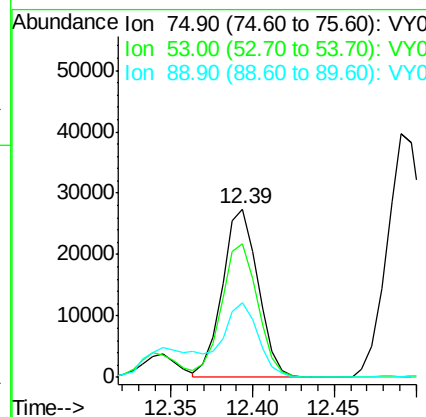
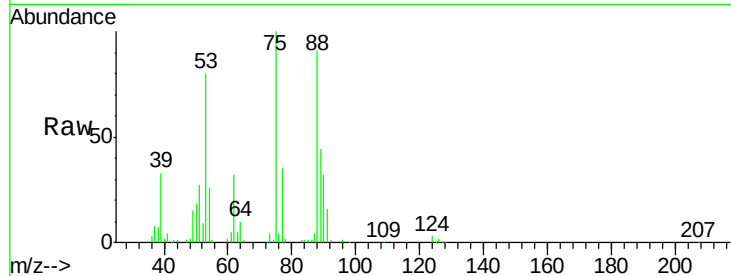
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	41900
Ion	Ratio	Lower	Upper
75	100		
53	80.4	65.4	98.0
89	43.8	36.0	54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 53.135 ug/l

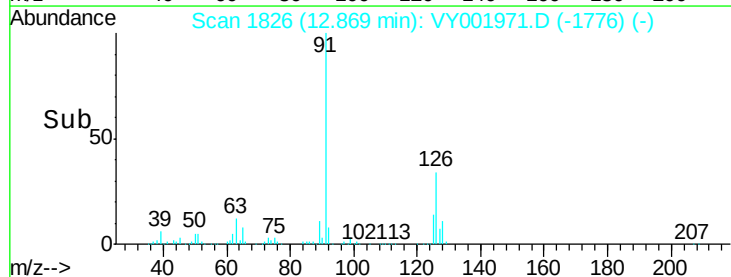
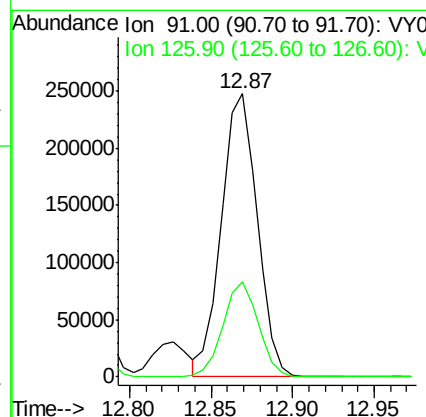
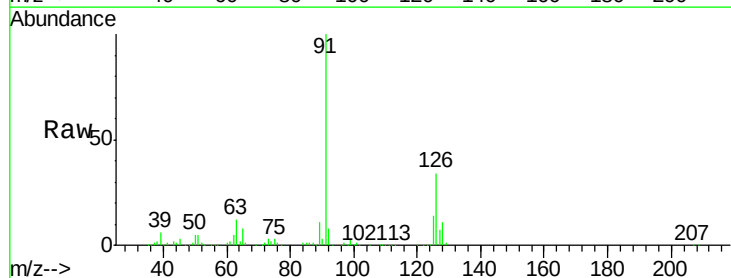
RT: 12.87 min Scan# 1826

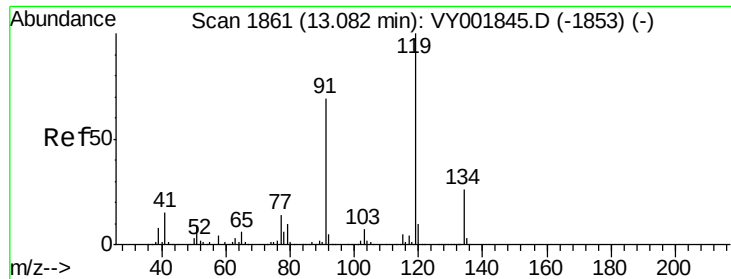
Delta R.T. 0.01 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Tgt Ion:	91	Resp:	379410
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.2





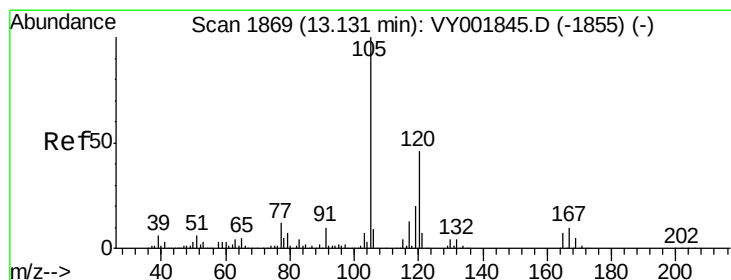
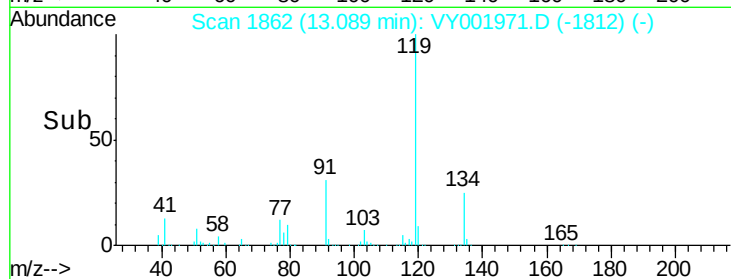
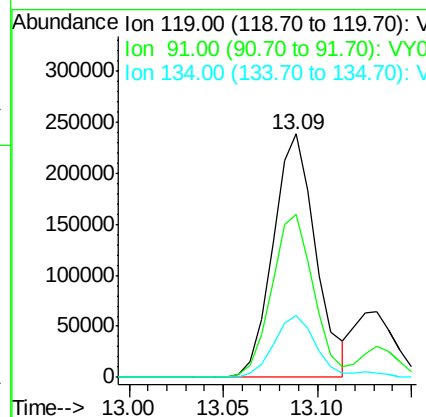
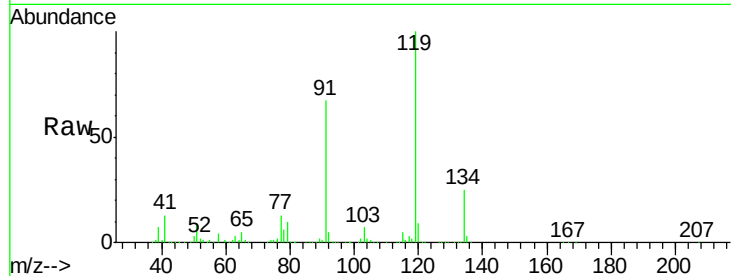
#83
 tert-Butylbenzene
 Concen: 54.254 ug/l
 RT: 13.09 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	34.0	101.8
134	26.2	13.5	40.4

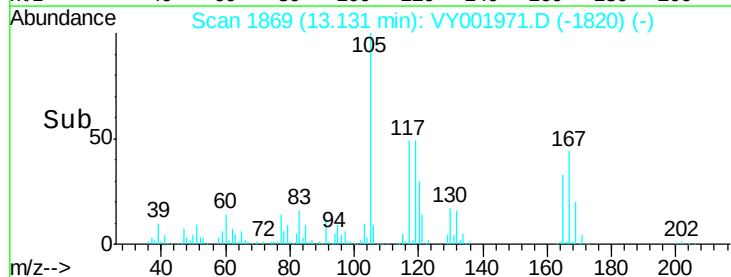
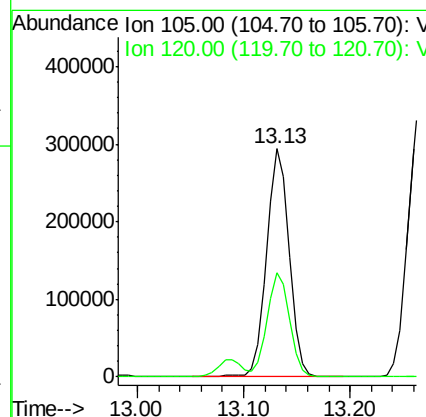
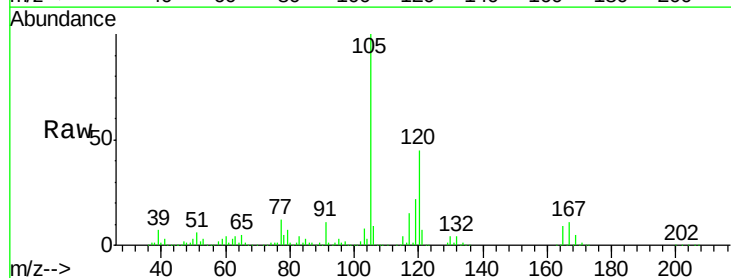
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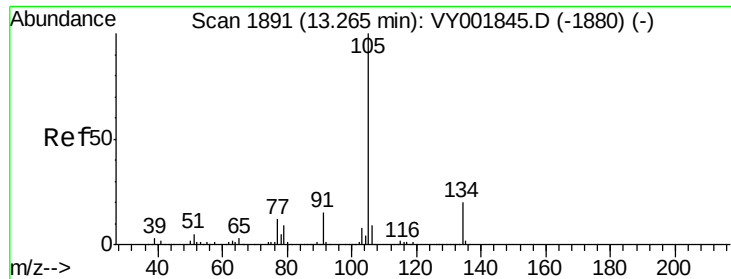
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.310 ug/l
 RT: 13.13 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 53.628 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 543830

Ion Ratio Lower Upper

105 100

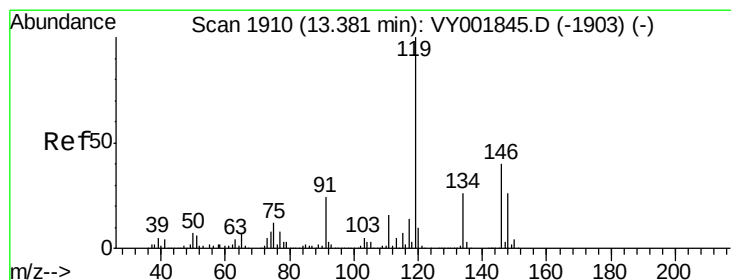
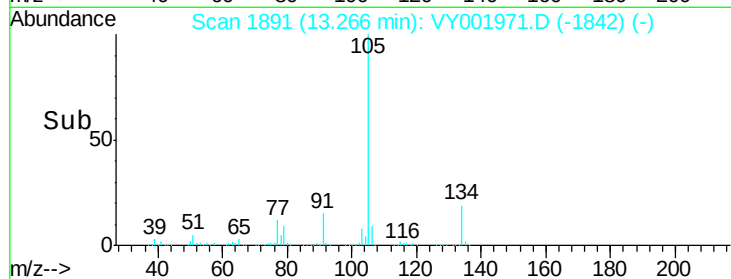
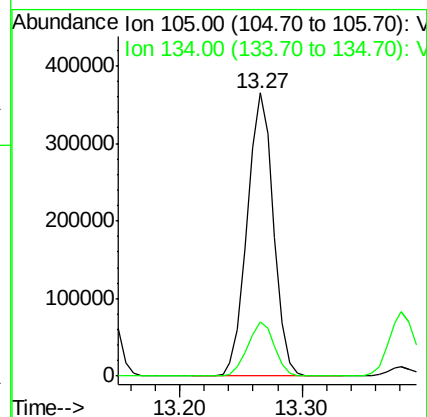
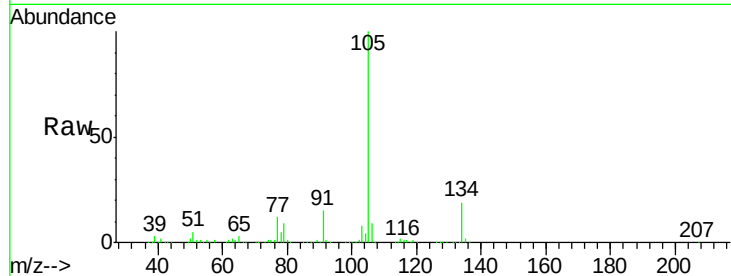
134 19.5 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 53.195 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.00 min

Lab File: VY001971.D

Acq: 16 Mar 2020 10:21

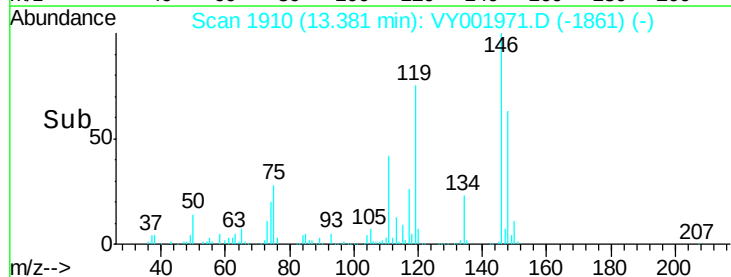
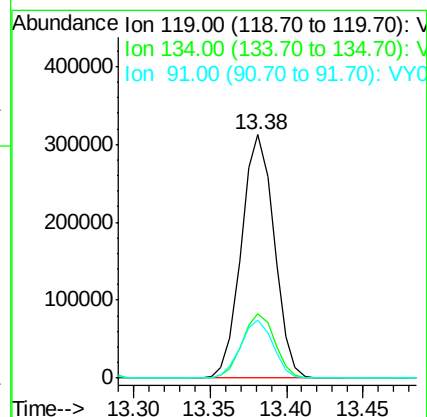
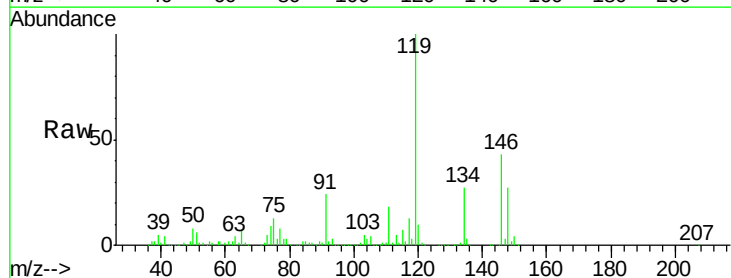
Tgt Ion:119 Resp: 465336

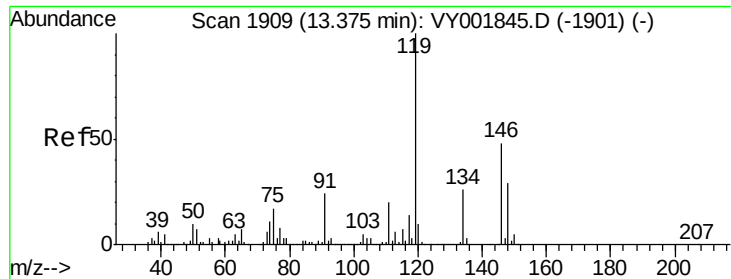
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

91 23.5 11.9 35.7





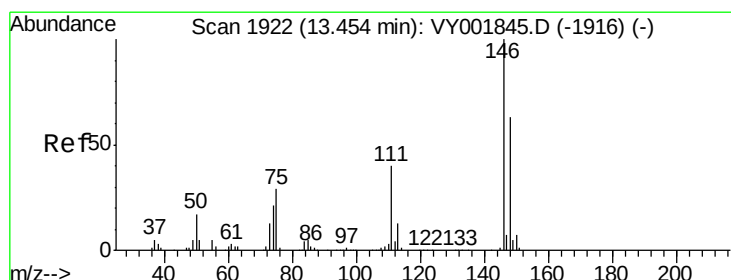
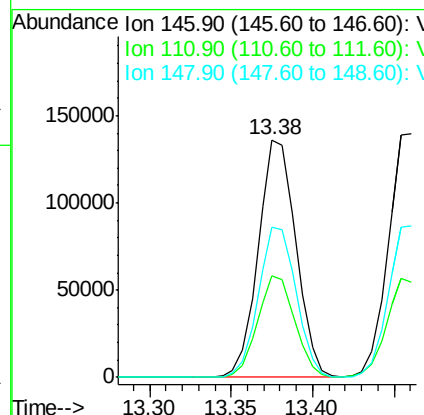
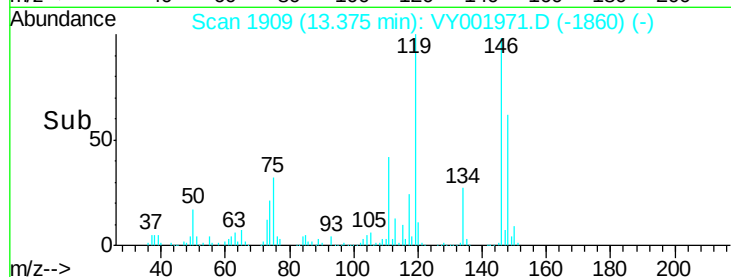
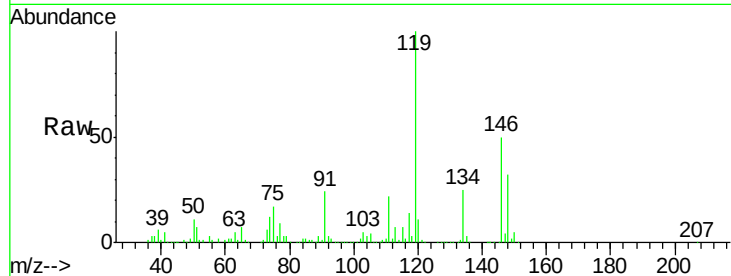
#87
 1,3-Dichlorobenzene
 Concen: 52.179 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.8	62.5
148	63.4	31.4	94.0

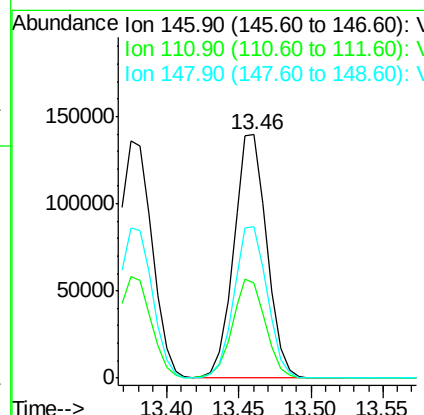
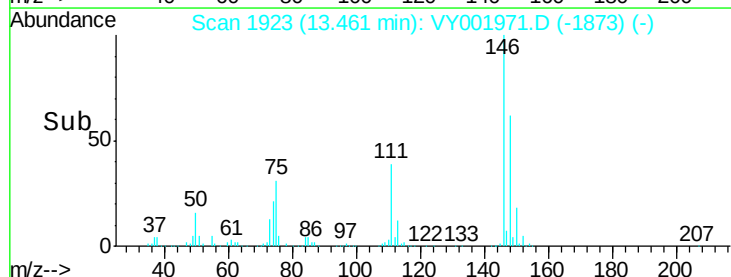
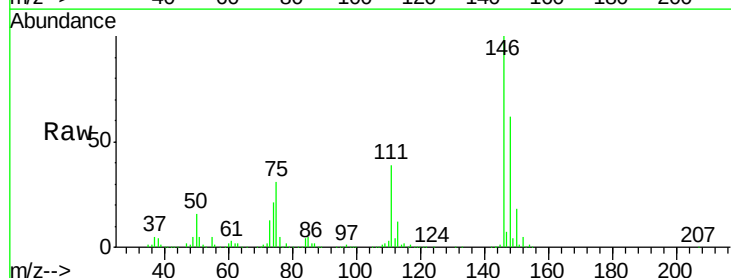
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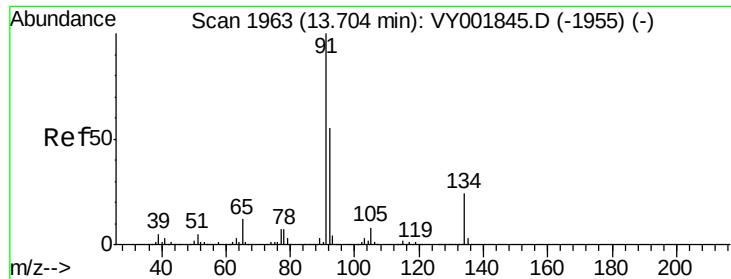
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#88
 1,4-Dichlorobenzene
 Concen: 52.546 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	62.9	31.5	94.5





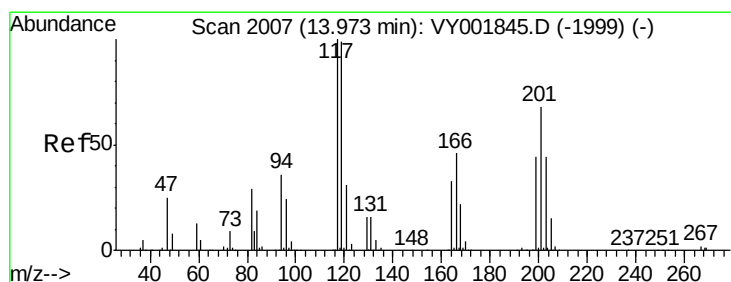
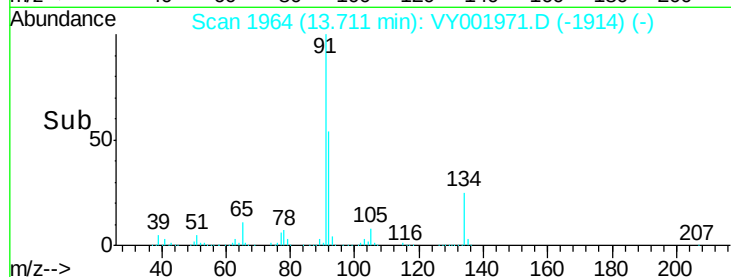
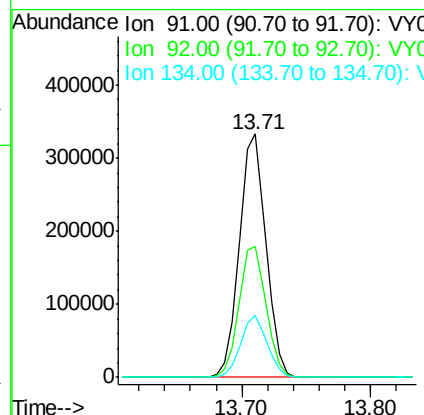
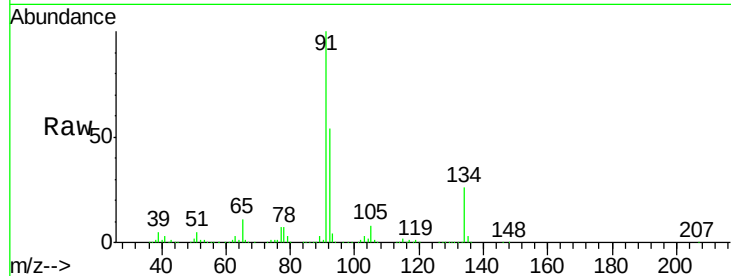
#89
n-Butylbenzene
Concen: 52.707 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.5	82.4
134	25.0	12.5	37.5

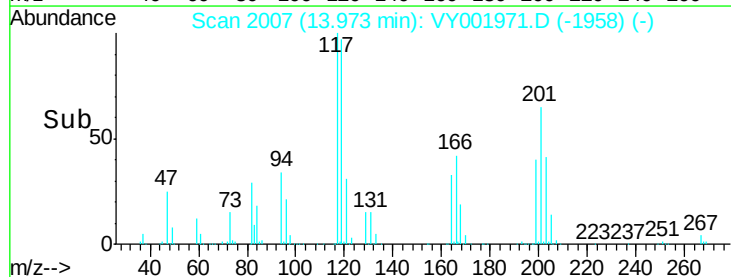
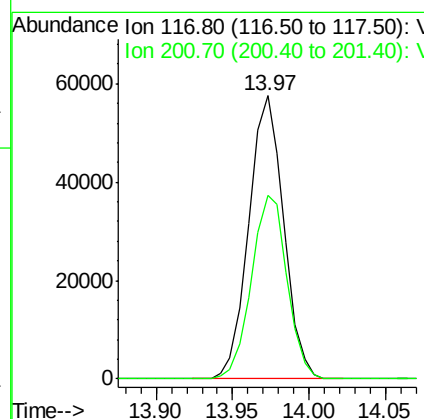
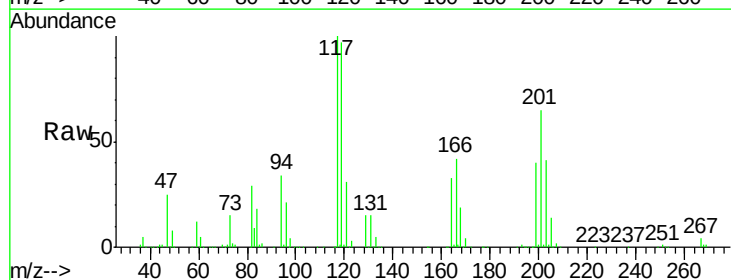
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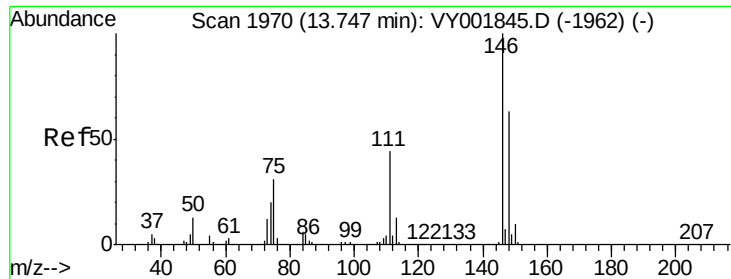
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#90
Hexachloroethane
Concen: 55.322 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.1	32.5	97.5





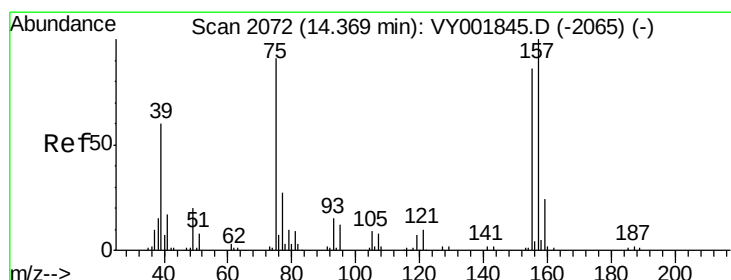
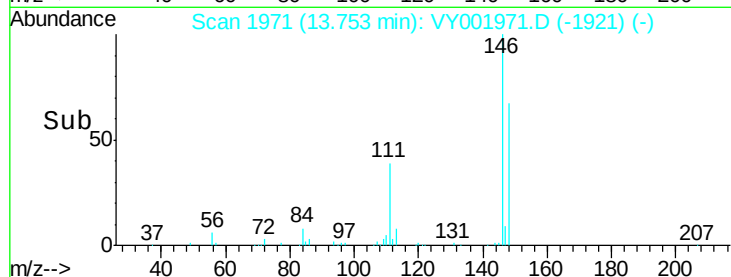
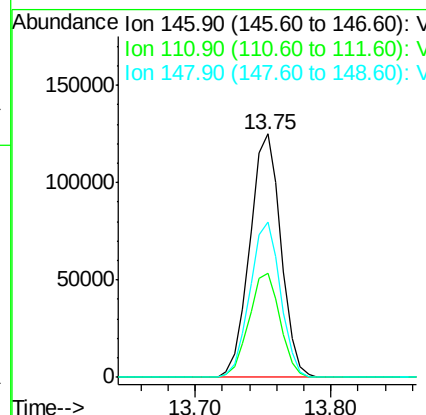
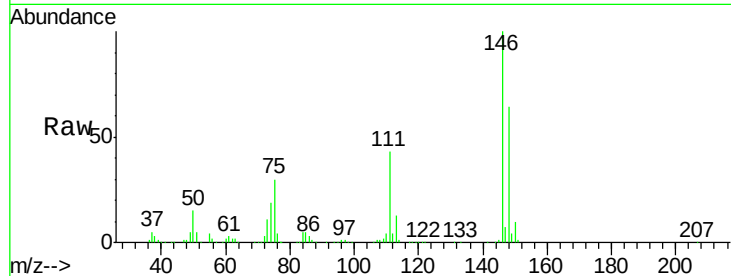
#91
 1,2-Dichlorobenzene
 Concen: 52.769 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	62.8	32.0	96.0

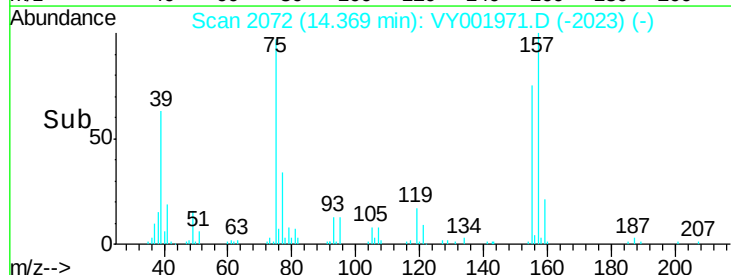
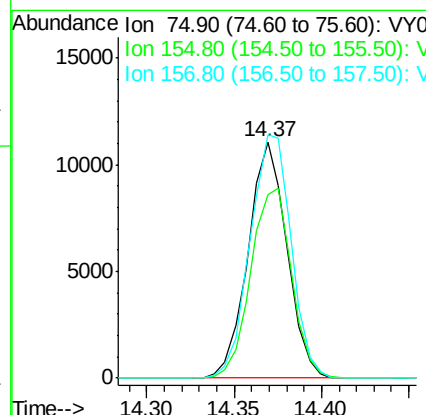
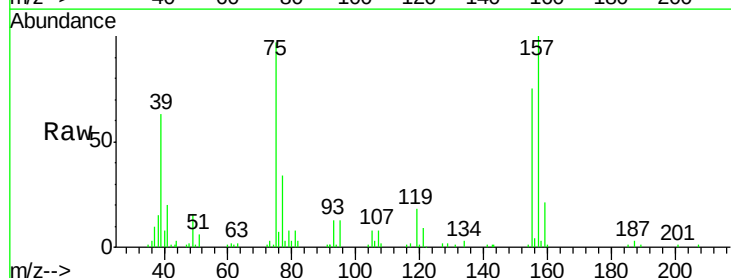
Manual Integrations
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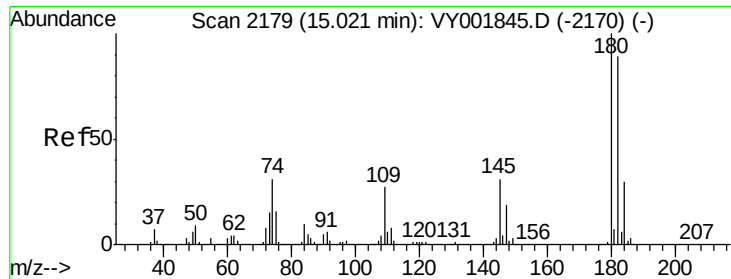
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.644 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VY001971.D
 Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.2	42.9	128.7
157	109.2	53.1	159.4





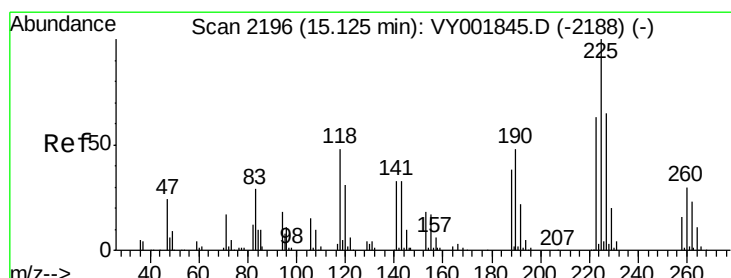
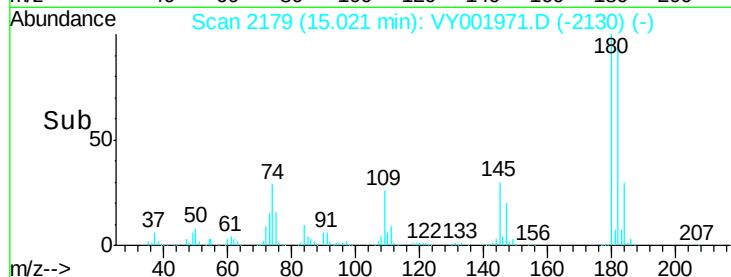
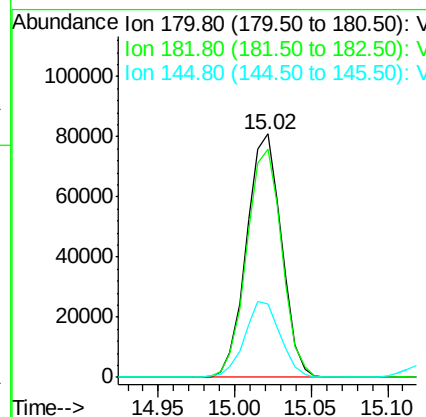
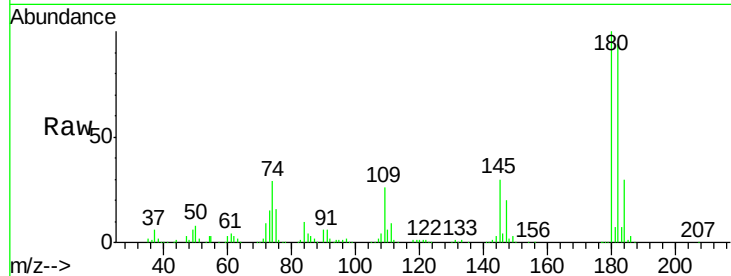
#93
1,2,4-Trichlorobenzene
Concen: 52.078 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.1	138.3
145	32.0	15.6	46.8

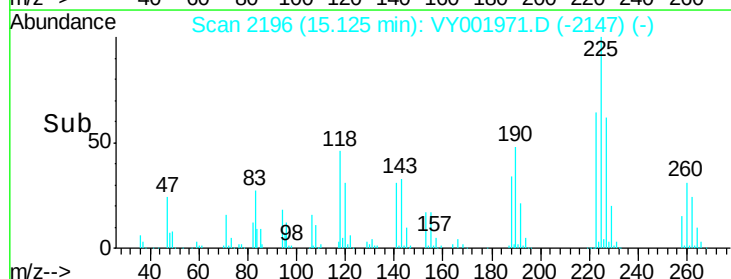
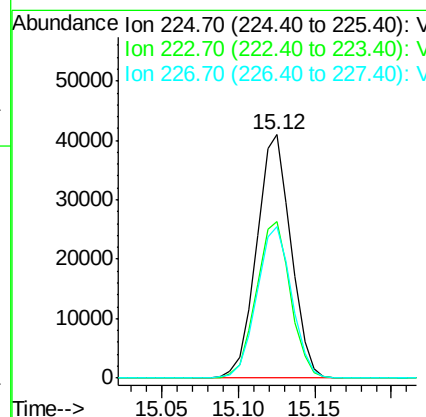
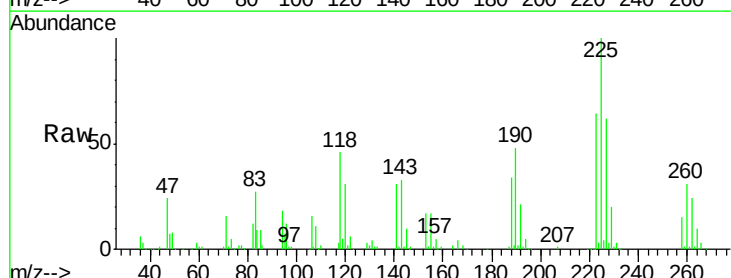
Manual Integrations
APPROVED

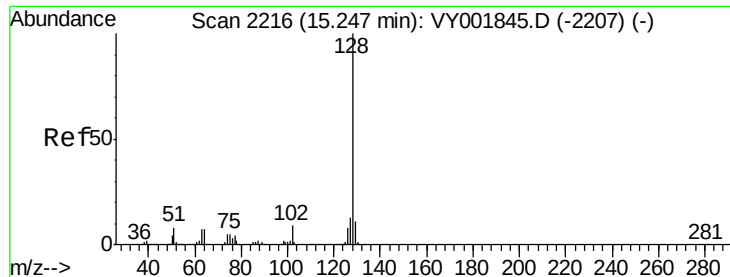
MMDadoda
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#94
Hexachlorobutadiene
Concen: 53.305 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.5	94.5
227	63.1	31.9	95.5





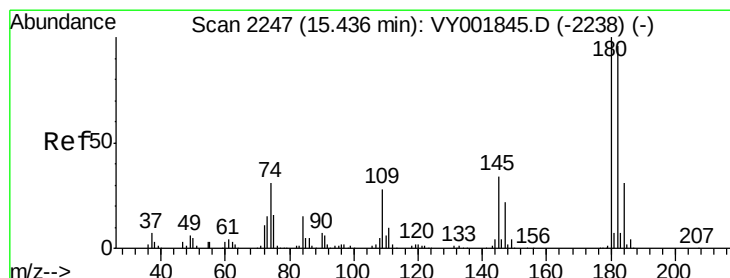
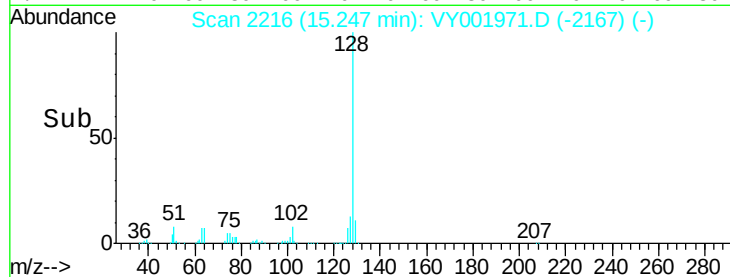
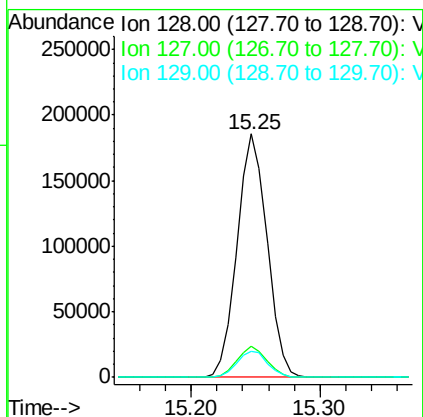
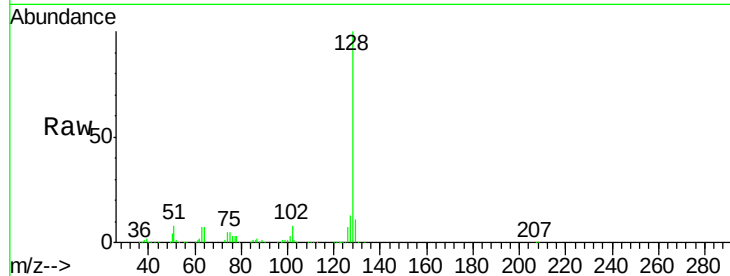
#95
Naphthalene
Concen: 51.230 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	299071		
127	12.4		10.1	15.1
129	11.1		8.6	13.0

Manual Integrations
APPROVED

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3/17/2020 12:06:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.245 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. 0.00 min
Lab File: VY001971.D
Acq: 16 Mar 2020 10:21

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	113274		
182	94.5		47.6	142.9
145	34.6		16.8	50.3

