

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY031620\
 Data File : VY001974.D
 Acq On : 16 Mar 2020 11:54
 Operator : SY/MD
 Sample : VY0316SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/17/2020 12:06:29 PM

Quant Time: Mar 17 08:26:02 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	176357	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.72	114	315537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	282933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	133244	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.17	65	94023	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	7.75	113	89586	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
50) Toluene-d8	10.20	98	370141	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.49	95	132083	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.92	85	30419	18.686	ug/l	94
3) Chloromethane	2.13	50	42699	19.455	ug/l	99
4) Vinyl Chloride	2.27	62	43028	19.274	ug/l	100
5) Bromomethane	2.66	94	28170	17.840	ug/l	98
6) Chloroethane	2.82	64	27096	19.321	ug/l	95
7) Trichlorofluoromethane	3.15	101	60468	19.972	ug/l	98
8) Diethyl Ether	3.56	74	24424	20.468	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	39887	20.483	ug/l	100
10) Methyl Iodide	4.13	142	44114	19.589	ug/l	99
11) Tert butyl alcohol	5.00	59	29157	138.770	ug/l #	95
12) 1,1-Dichloroethene	3.91	96	38755	19.765	ug/l	99
13) Acrolein	3.77	56	21192	80.100	ug/l	98
14) Allyl chloride	4.52	41	70149	20.181	ug/l	100
15) Acrylonitrile	5.21	53	64802	101.626	ug/l	99
16) Acetone	3.99	43	53982	98.442	ug/l	97
17) Carbon Disulfide	4.23	76	122887	18.644	ug/l	99
18) Methyl Acetate	4.52	43	29136	20.679	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	111177	20.923	ug/l	99
20) Methylene Chloride	4.76	84	49257	20.959	ug/l	98
21) trans-1,2-Dichloroethene	5.27	96	45157	20.290	ug/l	99
22) Diisopropyl ether	6.16	45	146983	20.628	ug/l	96
23) Vinyl Acetate	6.10	43	470497	100.724	ug/l	99
24) 1,1-Dichloroethane	6.06	63	77664	20.128	ug/l	97
25) 2-Butanone	7.03	43	84020	100.754	ug/l	98
26) 2,2-Dichloropropane	7.02	77	66197	20.902	ug/l	100
27) cis-1,2-Dichloroethene	7.03	96	49456	20.429	ug/l	97
28) Bromochloromethane	7.37	49	35528	20.427	ug/l	99
29) Tetrahydrofuran	7.39	42	55341	99.935	ug/l	99
30) Chloroform	7.54	83	74024	20.419	ug/l	100
31) Cyclohexane	7.81	56	80019	19.341	ug/l	97
32) 1,1,1-Trichloroethane	7.74	97	62981	20.612	ug/l	99
36) 1,1-Dichloropropene	7.95	75	61243	20.169	ug/l	99
37) Ethyl Acetate	7.11	43	37248	21.106	ug/l	99
38) Carbon Tetrachloride	7.93	117	52400	20.201	ug/l	96

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MMDadoda
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 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)
39) Methylcyclohexane	9.20	83	82016	20.365	ug/l	97
40) Benzene	8.19	78	181907	20.212	ug/l	100
41) Methacrylonitrile	7.36	41	22654m	28.524	ug/l	
42) 1,2-Dichloroethane	8.27	62	48777	21.032	ug/l	100
43) Isopropyl Acetate	8.30	43	68561	20.520	ug/l	99
44) Trichloroethene	8.97	130	44366	20.241	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47297	20.905	ug/l	97
46) Dibromomethane	9.33	93	23516	20.170	ug/l	99
47) Bromodichloromethane	9.52	83	56061	20.671	ug/l	95
48) Methyl methacrylate	9.31	41	29596	19.962	ug/l	95
49) 1,4-Dioxane	9.32	88	5814	363.932	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	186942	108.626	ug/l	99
52) Toluene	10.27	92	114464	20.936	ug/l	97
53) t-1,3-Dichloropropene	10.49	75	62166	21.039	ug/l	95
54) cis-1,3-Dichloropropene	9.95	75	72608	20.642	ug/l	98
55) 1,1,2-Trichloroethane	10.66	97	36129	21.174	ug/l	96
56) Ethyl methacrylate	10.53	69	51746	20.690	ug/l	99
57) 1,3-Dichloropropane	10.81	76	62184	20.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	136708	142.550	ug/l	100
59) 2-Hexanone	10.85	43	125114	101.856	ug/l	99
60) Dibromochloromethane	11.00	129	37114	20.643	ug/l	99
61) 1,2-Dibromoethane	11.11	107	33391	20.660	ug/l	100
64) Tetrachloroethene	10.74	164	37454	21.109	ug/l	96
65) Chlorobenzene	11.53	112	115713	20.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	39055	21.125	ug/l	99
67) Ethyl Benzene	11.61	91	218200	20.753	ug/l	98
68) m/p-Xylenes	11.72	106	160333	41.247	ug/l	100
69) o-Xylene	12.04	106	75150	20.512	ug/l	99
70) Styrene	12.06	104	131940	21.026	ug/l	100
71) Bromoform	12.22	173	21096	21.041	ug/l #	99
73) Isopropylbenzene	12.34	105	205116	20.166	ug/l	100
74) N-amyl acetate	12.16	43	61097	19.544	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	44898	20.469	ug/l	98
76) 1,2,3-Trichloropropane	12.64	75	31980m	20.227	ug/l	
77) Bromobenzene	12.62	156	43786	20.318	ug/l	97
78) n-propylbenzene	12.68	91	255132	20.331	ug/l	100
79) 2-Chlorotoluene	12.77	91	142380	20.537	ug/l	100
80) 1,3,5-Trimethylbenzene	12.83	105	170888	20.408	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	15935	20.359	ug/l	98
82) 4-Chlorotoluene	12.87	91	147959	20.497	ug/l	100
83) tert-Butylbenzene	13.09	119	145476	20.917	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	169898	20.445	ug/l	100
85) sec-Butylbenzene	13.27	105	213216	20.799	ug/l	99
86) p-Isopropyltoluene	13.38	119	185378	20.963	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	85471	20.240	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	85797	20.027	ug/l	98
89) n-Butylbenzene	13.70	91	190765	20.792	ug/l	98
90) Hexachloroethane	13.97	117	33788	20.253	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	79160	20.633	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.37	75	6529	19.075	ug/l	99

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBSD01

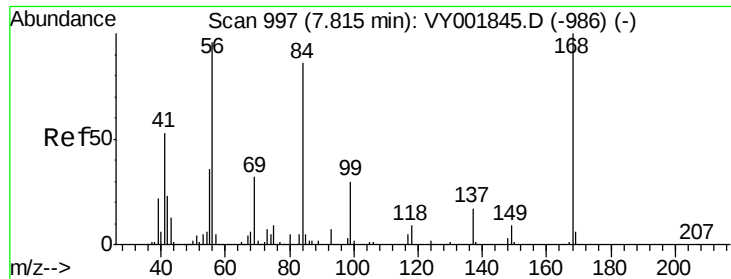
Manual Integrations
APPROVED

MMDadoda
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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)
93) 1,2,4-Trichlorobenzene	15.02	180	51771	20.808	ug/l	100
94) Hexachlorobutadiene	15.12	225	25269	20.832	ug/l	98
95) Naphthalene	15.25	128	118430	20.068	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	45505	20.762	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion:168 Resp: 176357

Ion Ratio Lower Upper

168 100

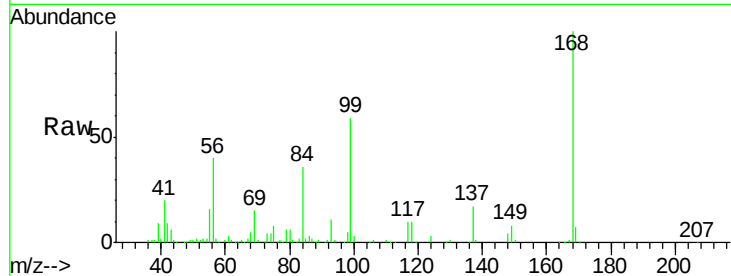
99 59.0 46.7 70.1

Manual Integrations

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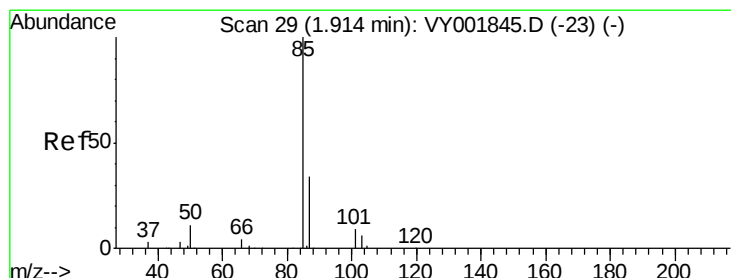
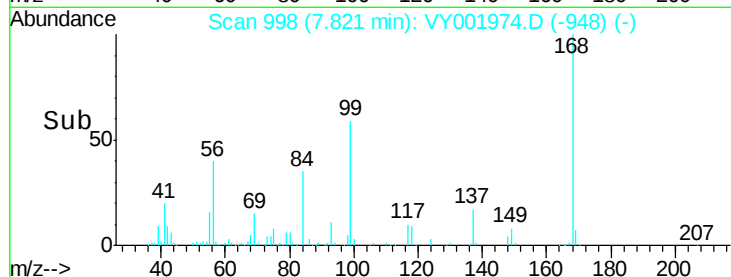
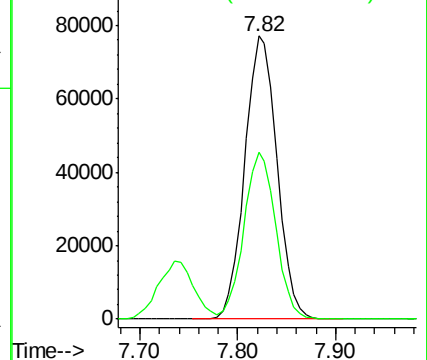
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Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#2

Dichlorodifluoromethane

Concen: 18.686 ug/l

RT: 1.92 min Scan# 30

Delta R.T. 0.01 min

Lab File: VY001974.D

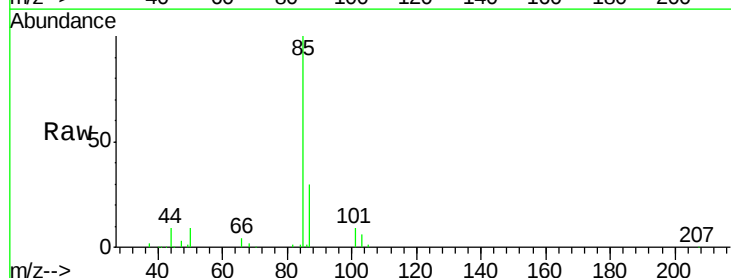
Acq: 16 Mar 2020 11:54

Tgt Ion: 85 Resp: 30419

Ion Ratio Lower Upper

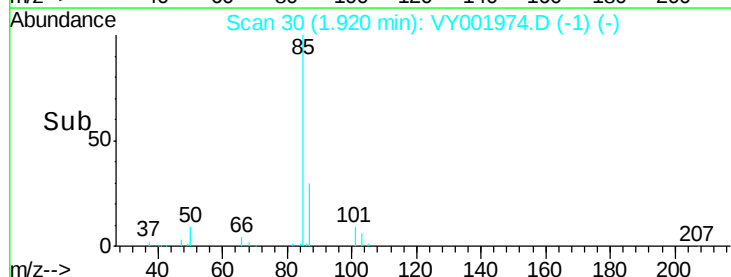
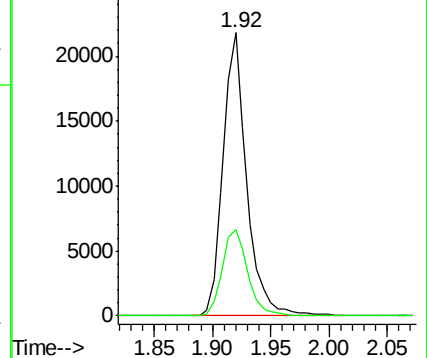
85 100

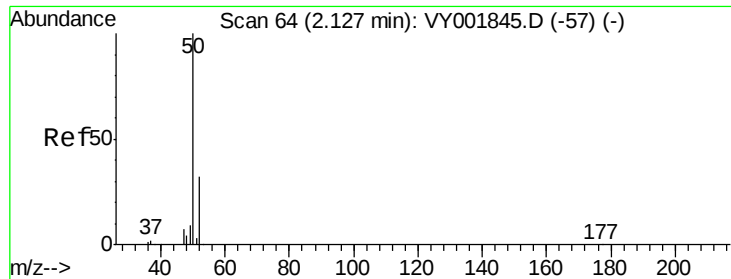
87 30.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0





#3

Chloromethane

Concen: 19.455 ug/l

RT: 2.13 min Scan# 65

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 50 Resp: 42699

Ion Ratio Lower Upper

50 100

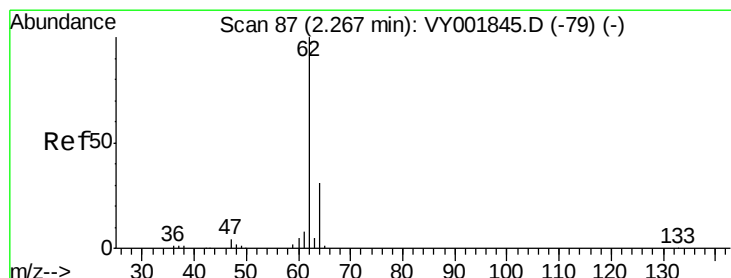
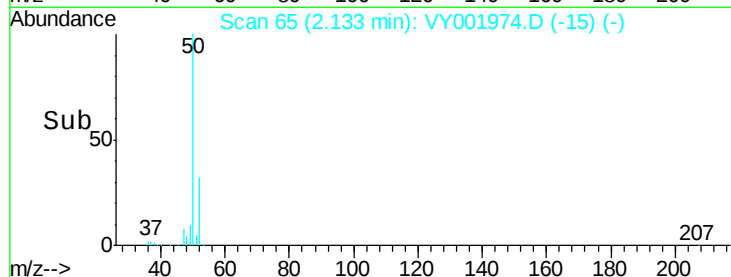
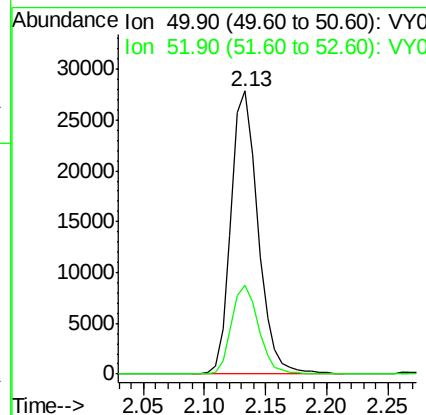
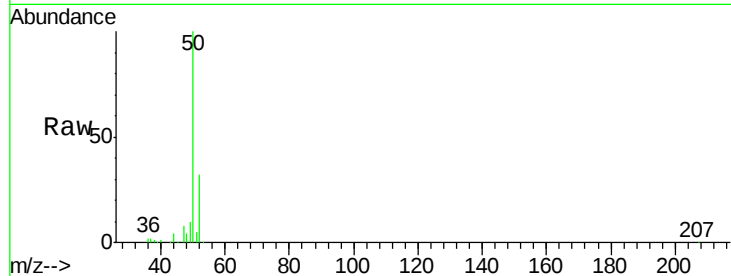
52 31.6 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.274 ug/l

RT: 2.27 min Scan# 87

Delta R.T. -0.00 min

Lab File: VY001974.D

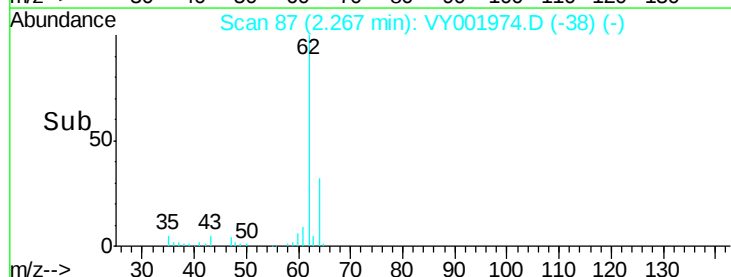
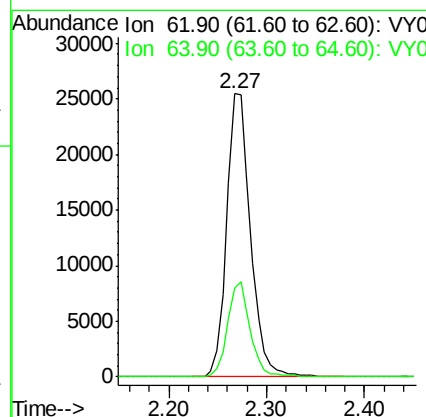
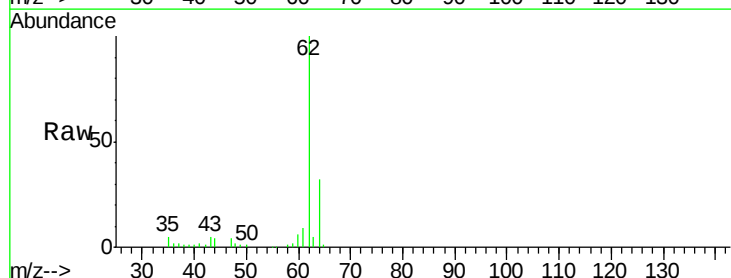
Acq: 16 Mar 2020 11:54

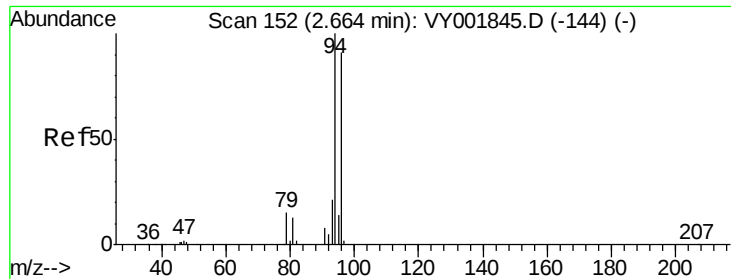
Tgt Ion: 62 Resp: 43028

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 17.840 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 94 Resp: 28170

Ion Ratio Lower Upper

94 100

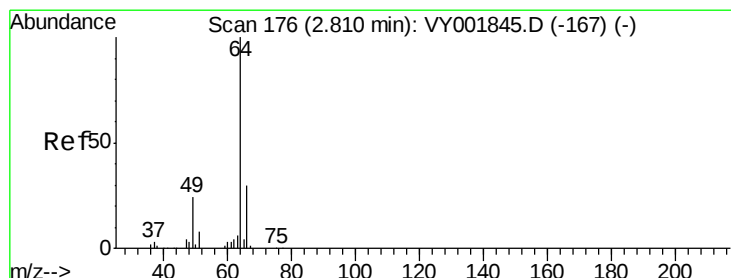
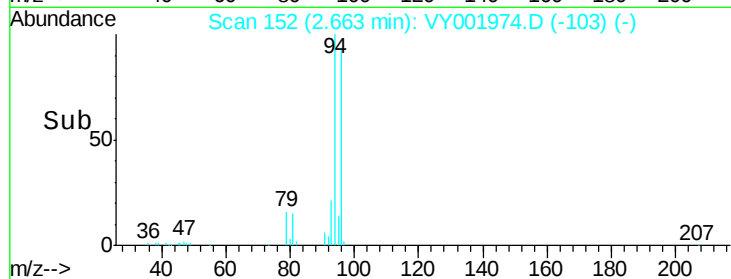
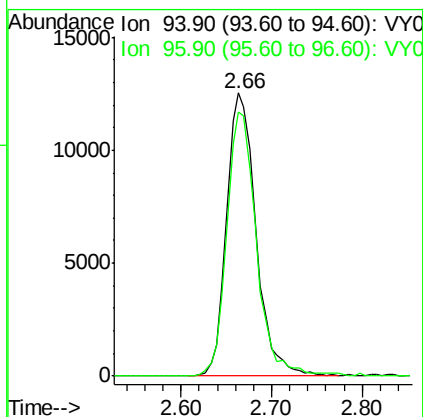
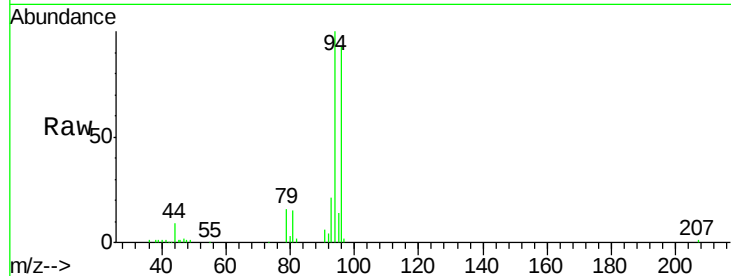
96 93.2 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 19.321 ug/l

RT: 2.82 min Scan# 177

Delta R.T. 0.01 min

Lab File: VY001974.D

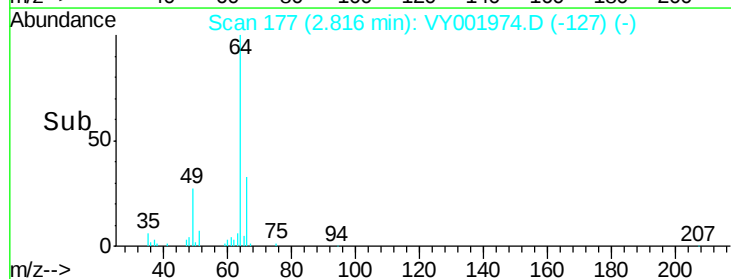
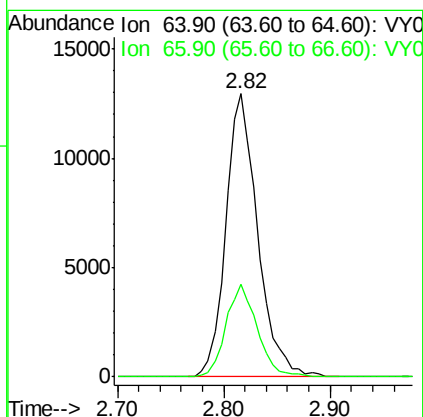
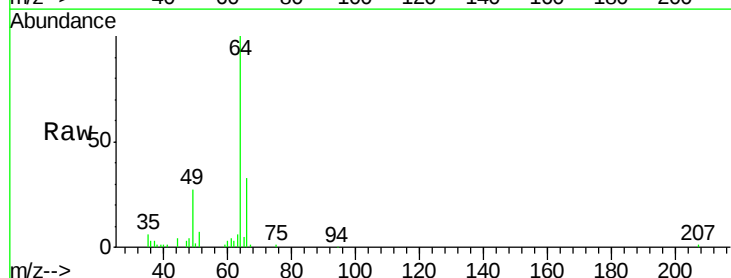
Acq: 16 Mar 2020 11:54

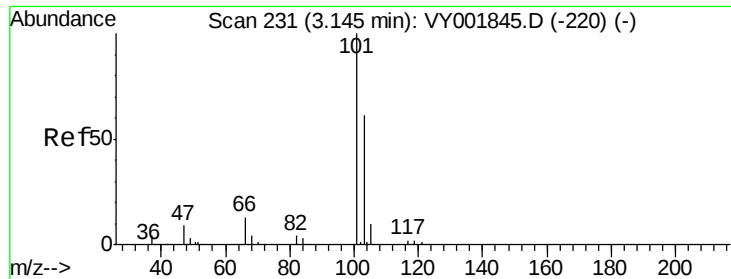
Tgt Ion: 64 Resp: 27096

Ion Ratio Lower Upper

64 100

66 32.5 23.8 35.8





#7

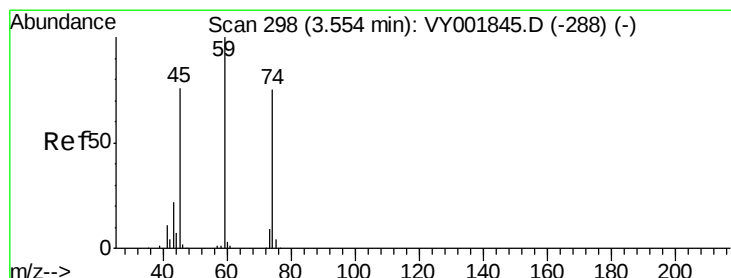
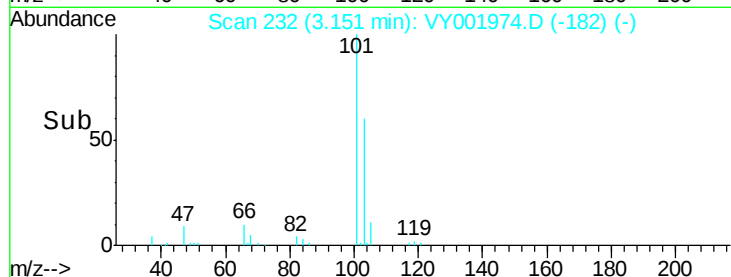
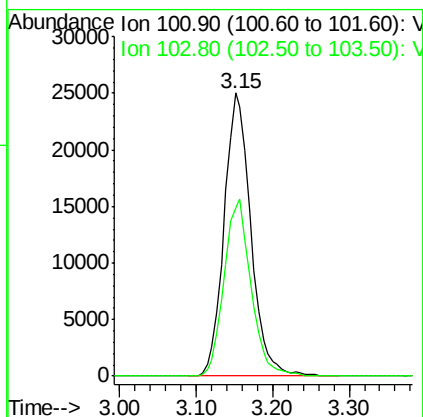
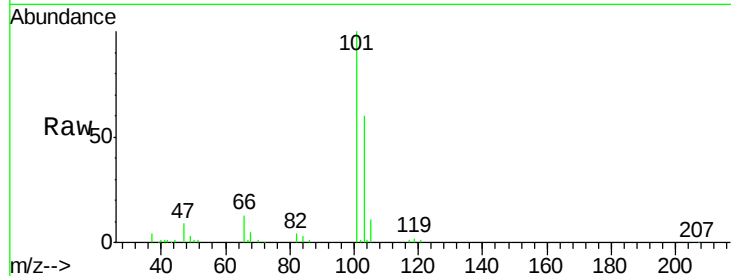
Trichlorofluoromethane
Concen: 19.972 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	49.1	73.7

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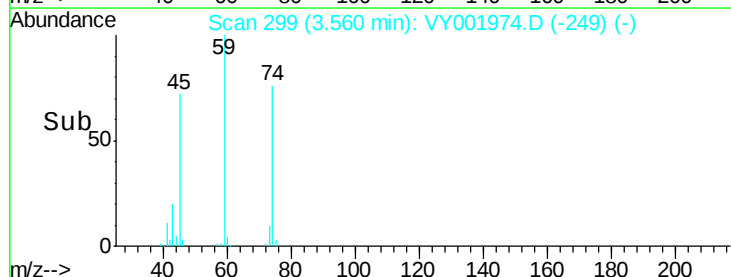
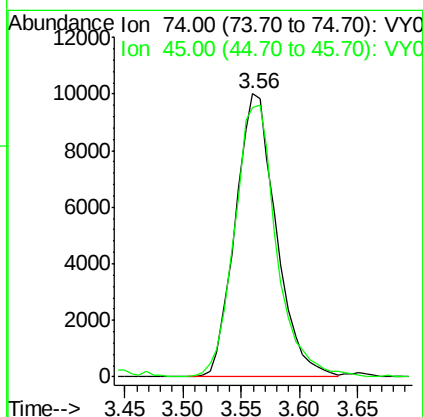
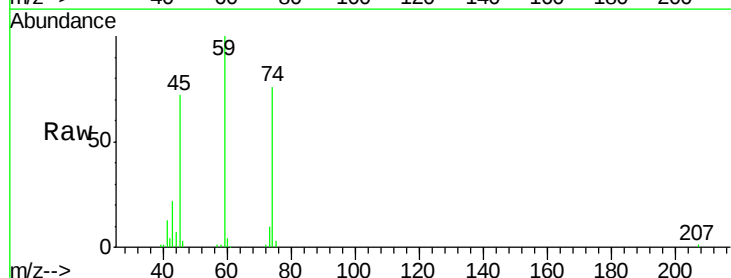
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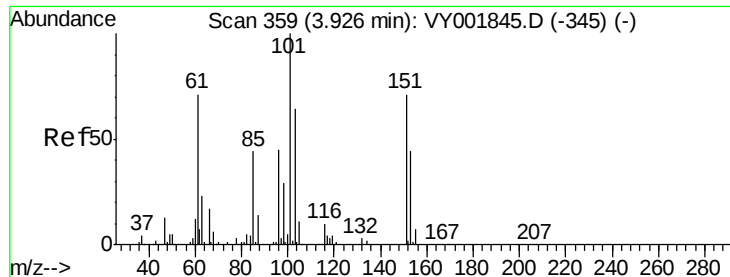


#8

Diethyl Ether
Concen: 20.468 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	50.5	151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.483 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

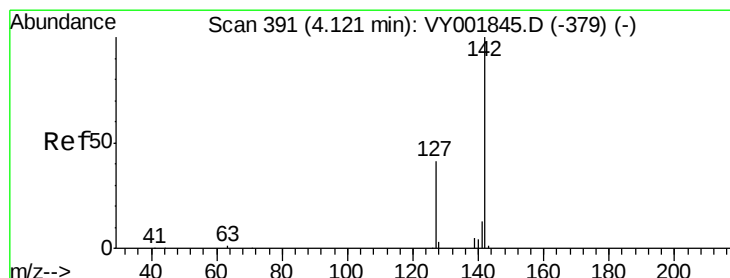
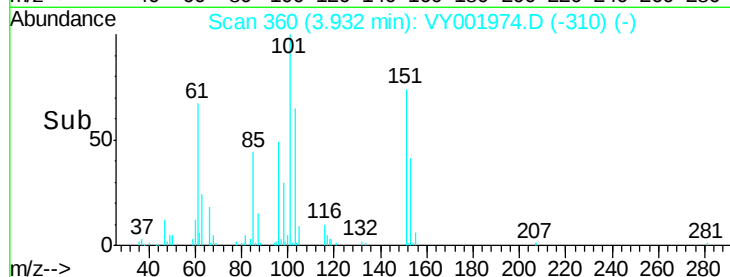
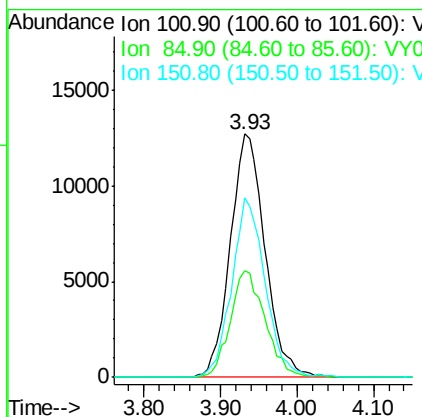
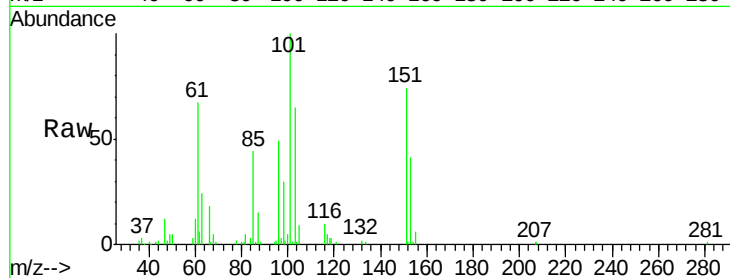
ClientSampleId :

VY0316SBSD01

Tot Ion:	101	Resp:	39887
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.3	52.9
151	71.1	57.0	85.4

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#10

Methyl Iodide

Concen: 19.589 ug/l

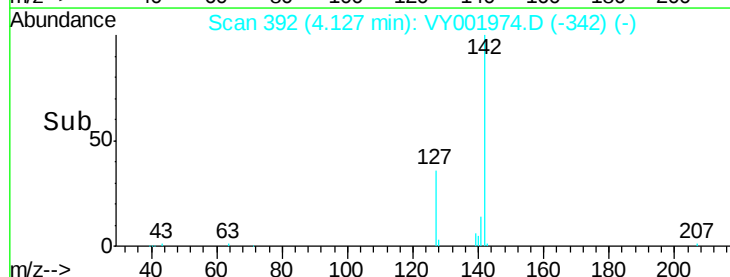
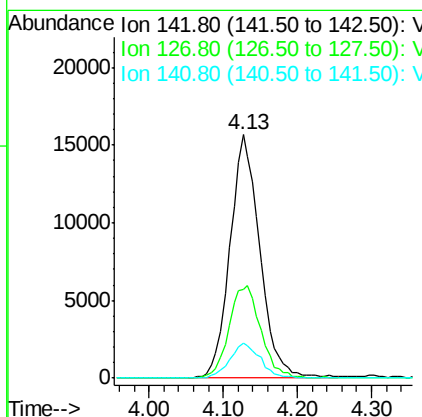
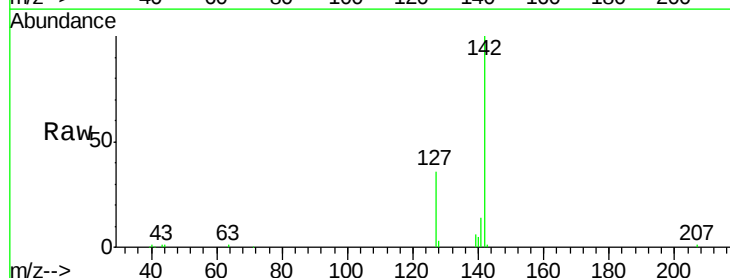
RT: 4.13 min Scan# 392

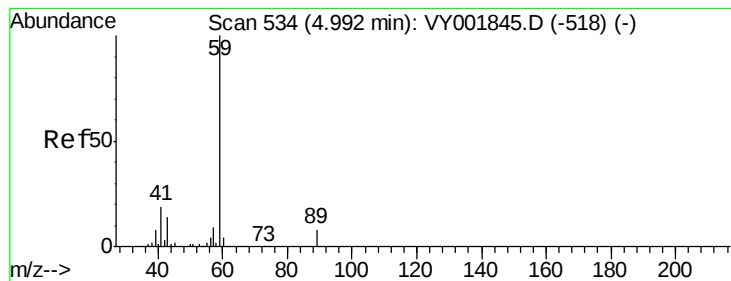
Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion:	142	Resp:	44114
Ion Ratio	Lower	Upper	
142	100		
127	40.2	32.7	49.1
141	14.5	11.0	16.6





#11

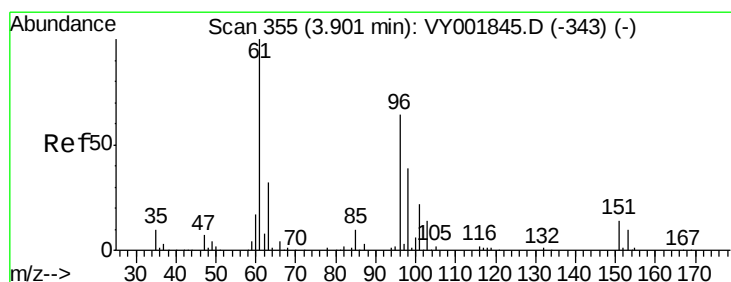
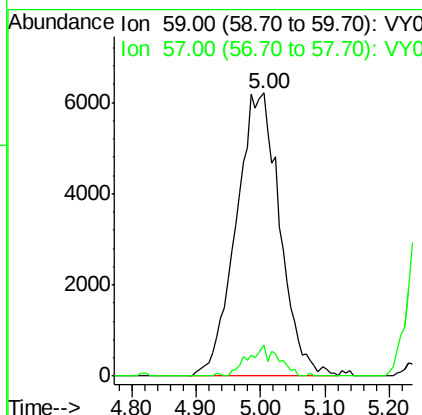
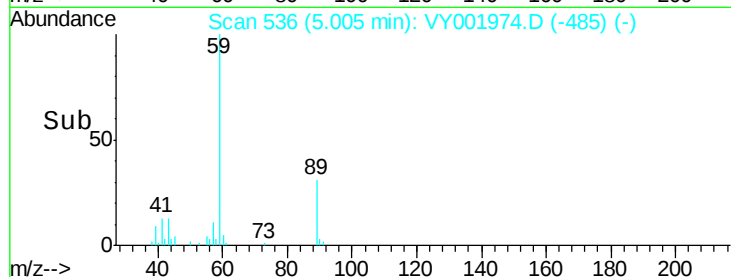
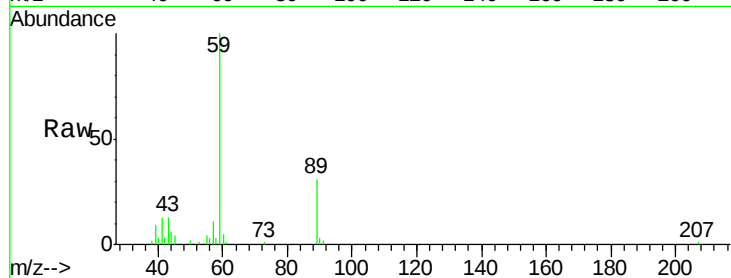
Tert butyl alcohol
Concen: 138.770 ug/l
RT: 5.00 min Scan# 536
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	7.4	11.2#

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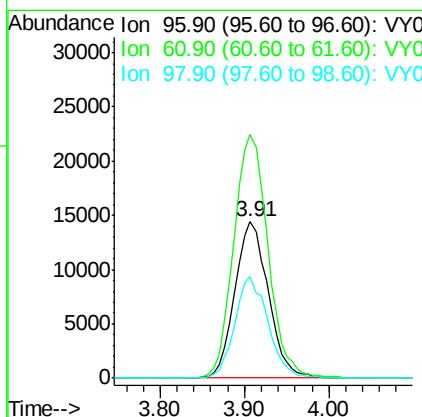
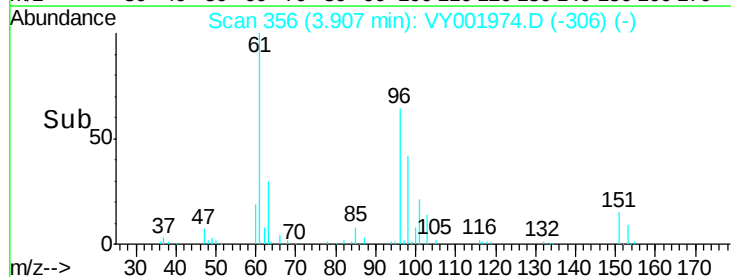
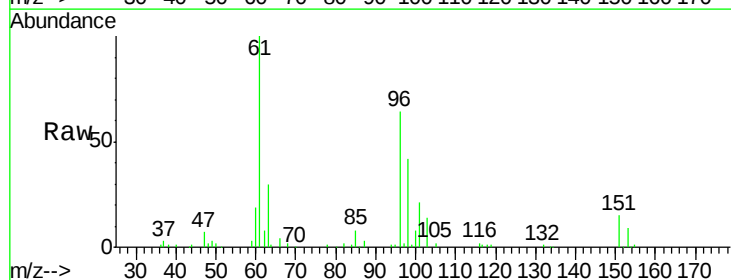
MMDadoda
3/17/2020 12:06:29 PM

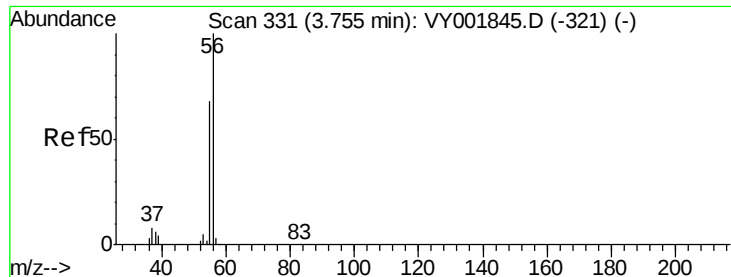


#12

1,1-Dichloroethene
Concen: 19.765 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.1	124.8	187.2
98	64.9	49.2	73.8





#13

Acrolein

Concen: 80.100 ug/l

RT: 3.77 min Scan# 333

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 56 Resp: 21192

Ion Ratio Lower Upper

56 100

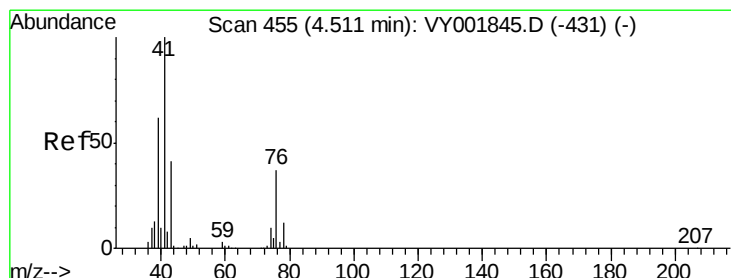
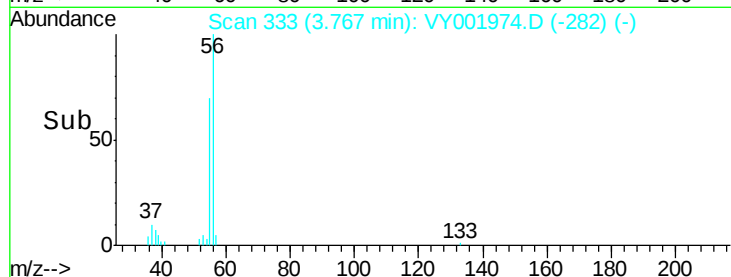
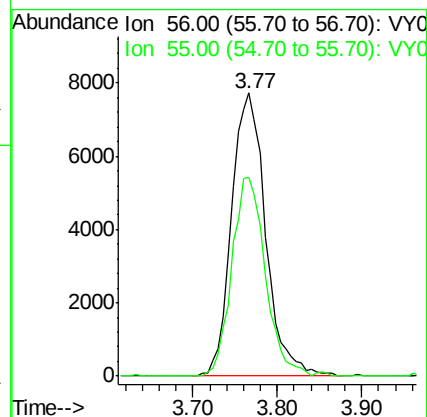
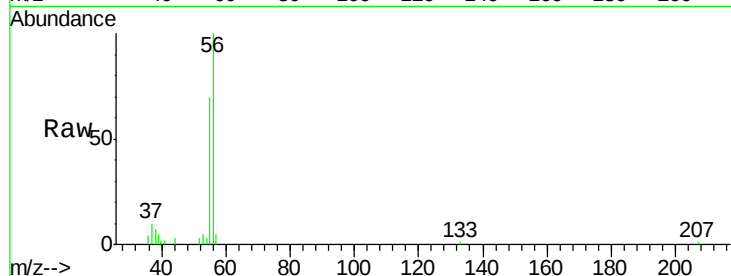
55 68.7 54.0 81.0

Manual Integrations

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#14

Allyl chloride

Concen: 20.181 ug/l

RT: 4.52 min Scan# 457

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

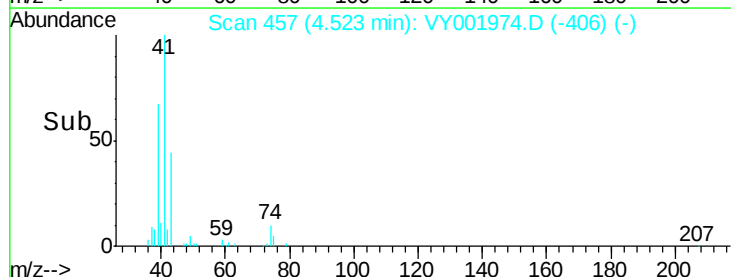
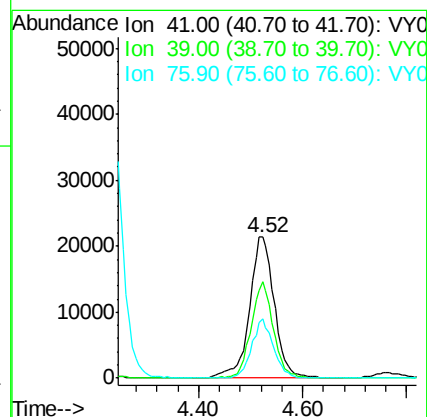
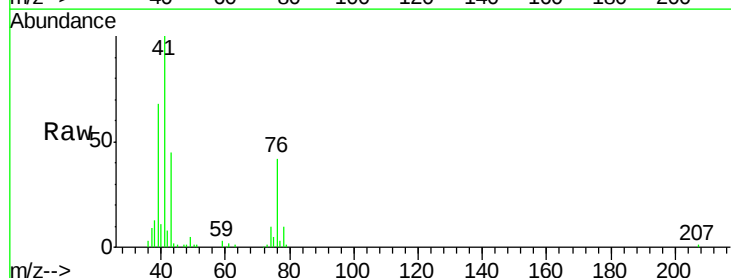
Tgt Ion: 41 Resp: 70149

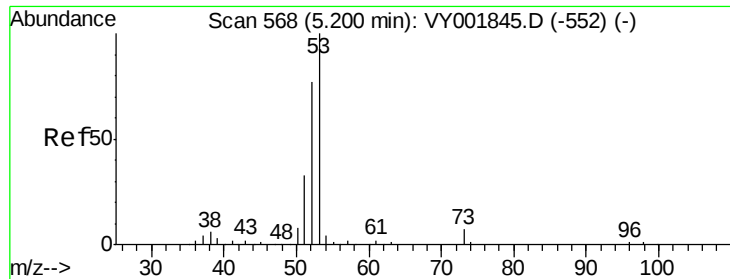
Ion Ratio Lower Upper

41 100

39 61.0 49.0 73.6

76 36.4 28.9 43.3





#15

Acrylonitrile

Concen: 101.626 ug/l

RT: 5.21 min Scan# 570

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

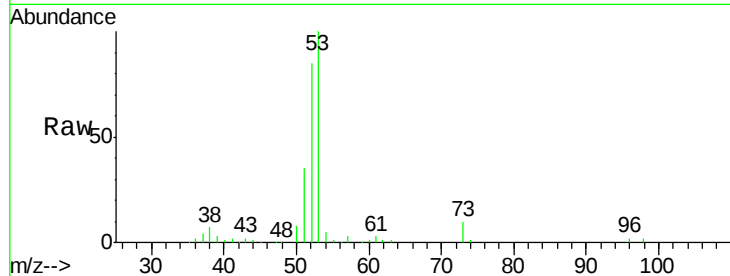
ClientSampleId :

VY0316SBS01

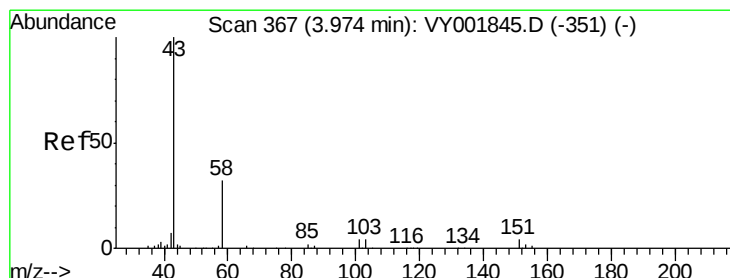
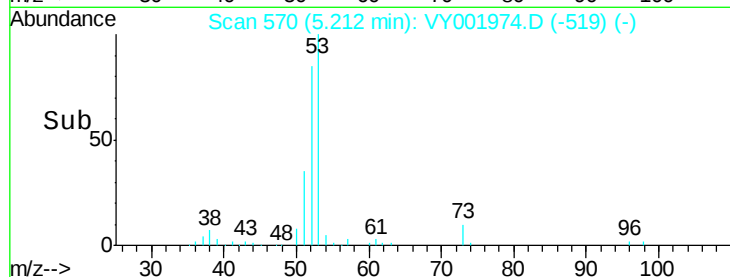
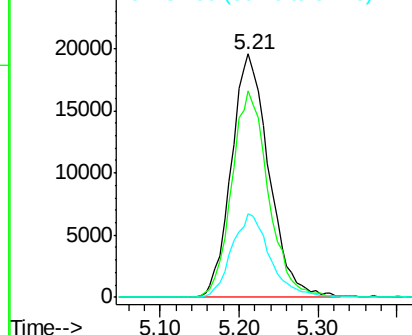
Tot Ion:	53	Resp:	64802
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.1	97.7
51	34.9	27.5	41.3

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Abundance Ion 53.00 (52.70 to 53.70): VY0
Ion 52.00 (51.70 to 52.70): VY0
Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 98.442 ug/l

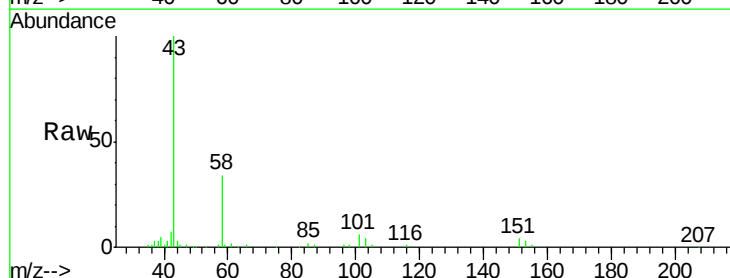
RT: 3.99 min Scan# 369

Delta R.T. 0.01 min

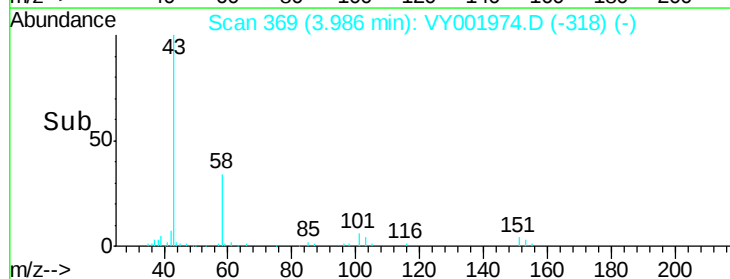
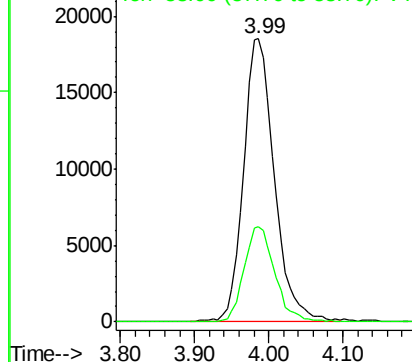
Lab File: VY001974.D

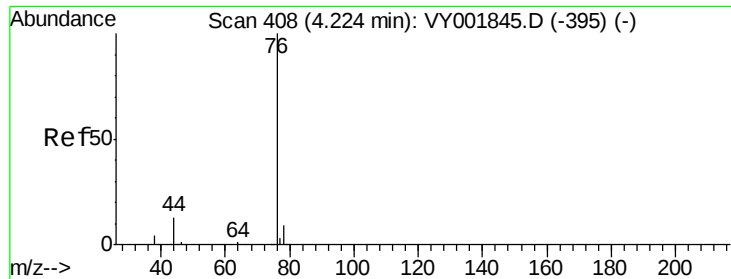
Acq: 16 Mar 2020 11:54

Tgt Ion:	43	Resp:	53982
Ion	Ratio	Lower	Upper
43	100		
58	33.8	25.9	38.9



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





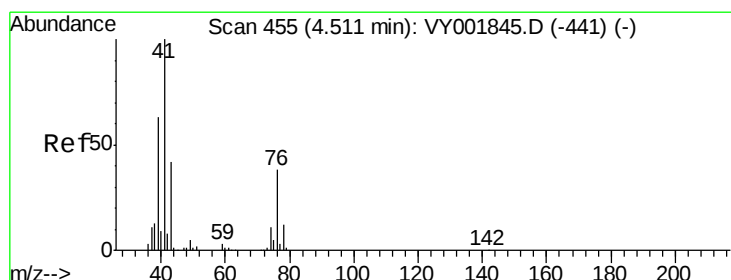
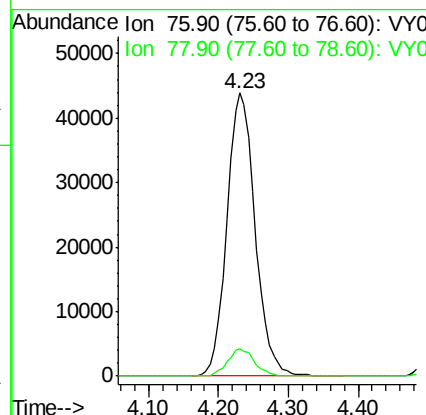
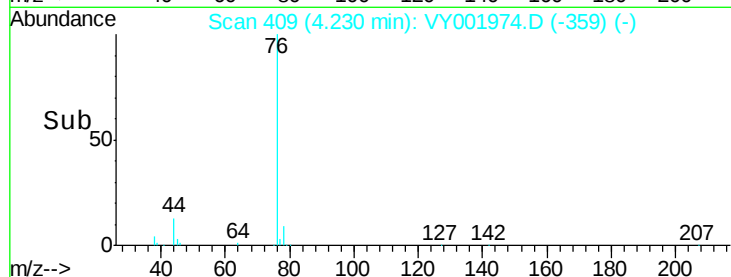
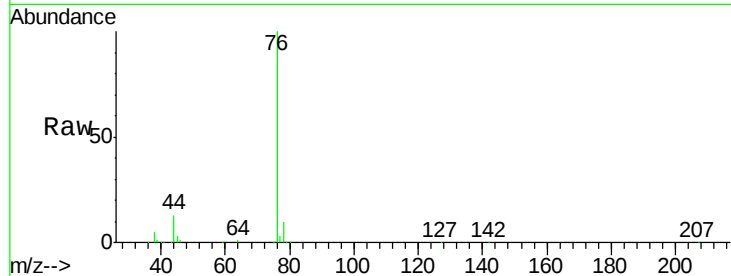
#17
Carbon Disulfide
Concen: 18.644 ug/l
RT: 4.23 min Scan# 409
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.4	11.2

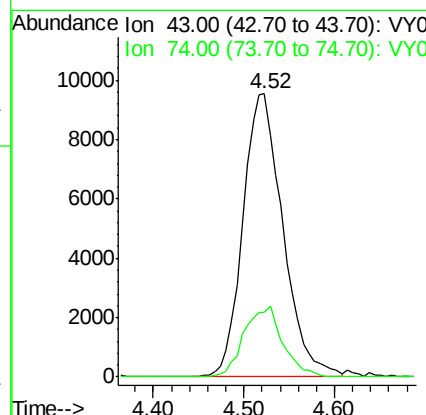
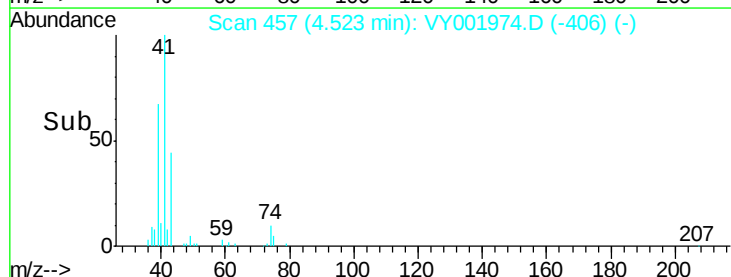
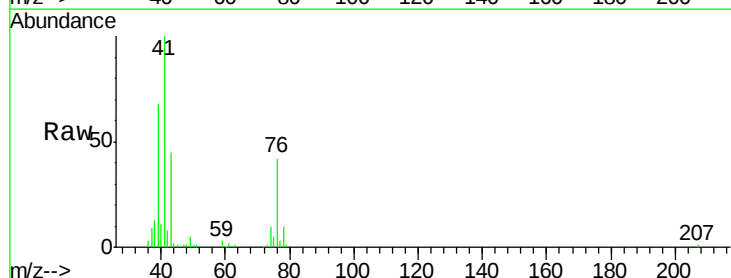
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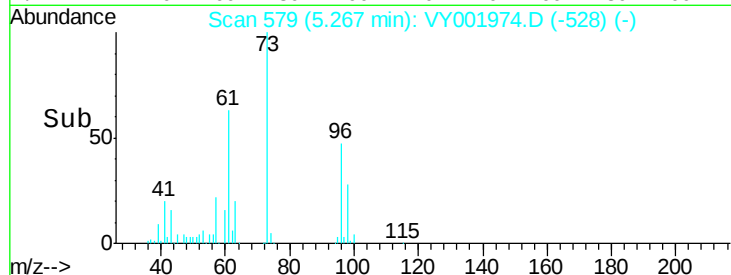
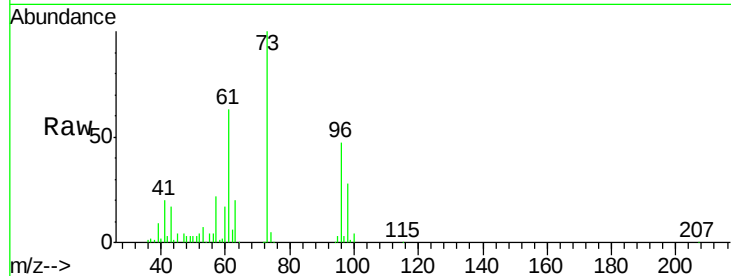
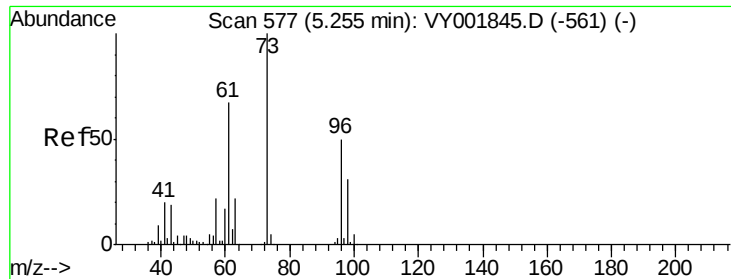
MMDadoda
3/17/2020 12:06:29 PM



#18
Methyl Acetate
Concen: 20.679 ug/l
RT: 4.52 min Scan# 457
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.0	28.6





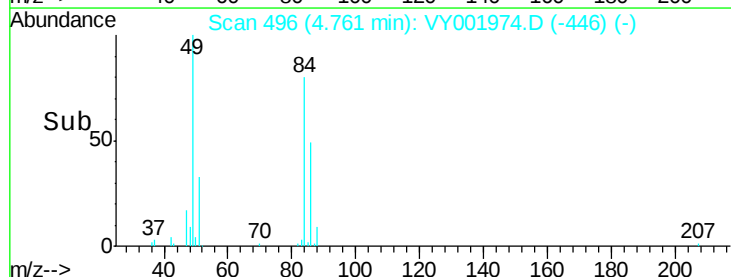
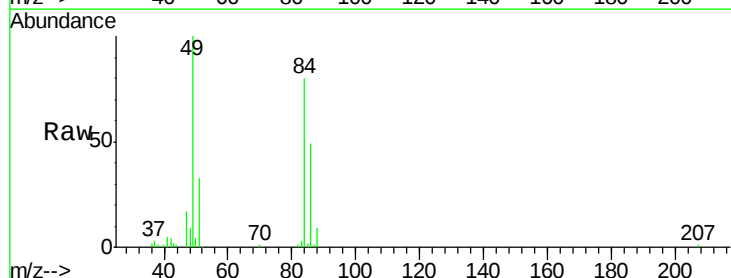
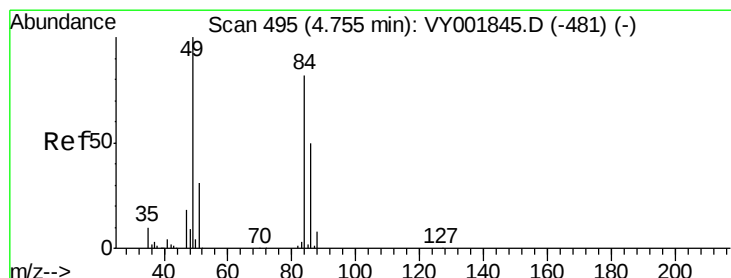
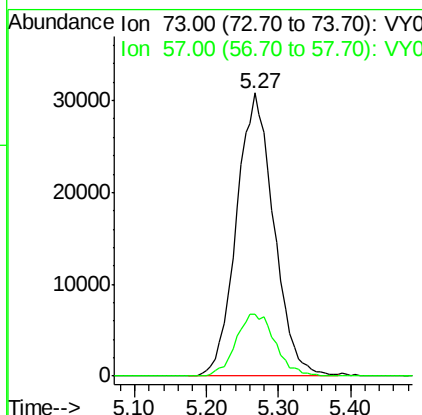
#19
Methyl tert-butyl Ether
Concen: 20.923 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tot Ion: 73 Resp: 111177
Ion Ratio Lower Upper
73 100
57 22.1 17.4 26.2

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

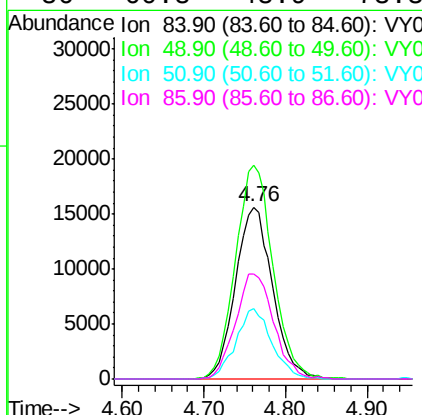
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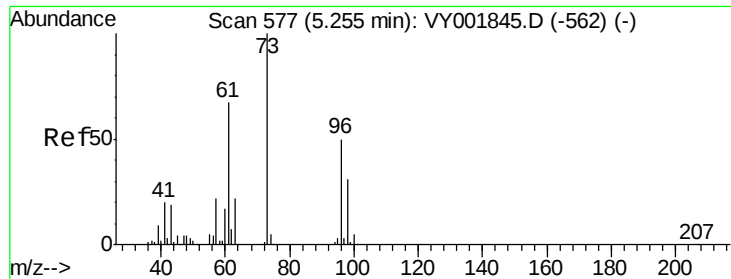
MMDadoda
3/17/2020 12:06:29 PM



#20
Methylene Chloride
Concen: 20.959 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 84 Resp: 49257
Ion Ratio Lower Upper
84 100
49 124.4 98.2 147.2
51 40.8 30.2 45.2
86 60.8 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 20.290 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

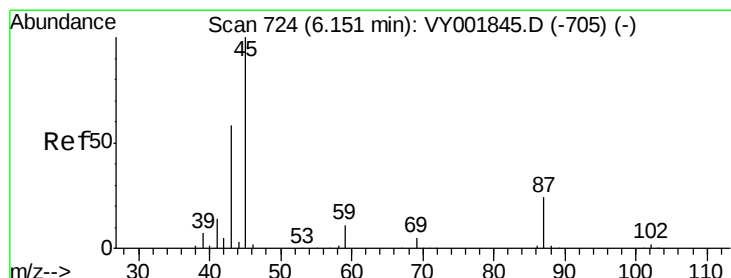
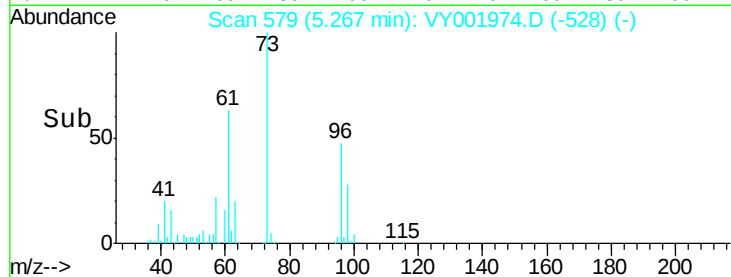
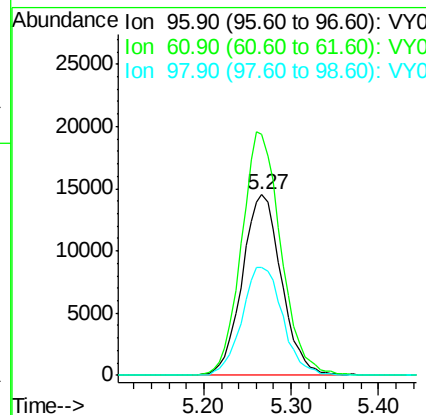
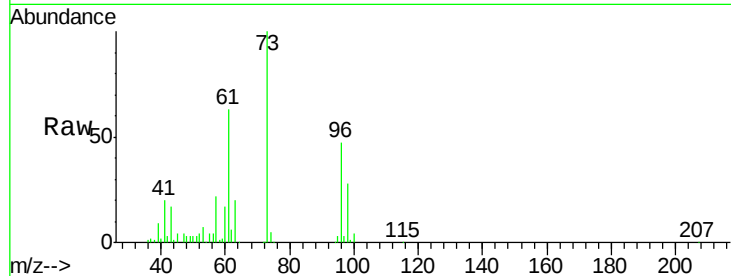
ClientSampleId :

VY0316SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	107.7	161.5
98	59.7	49.3	73.9

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#22

Diisopropyl ether

Concen: 20.628 ug/l

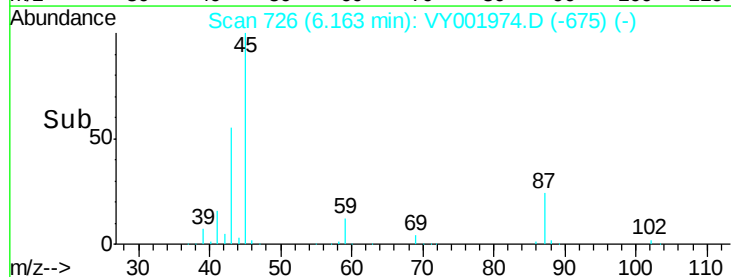
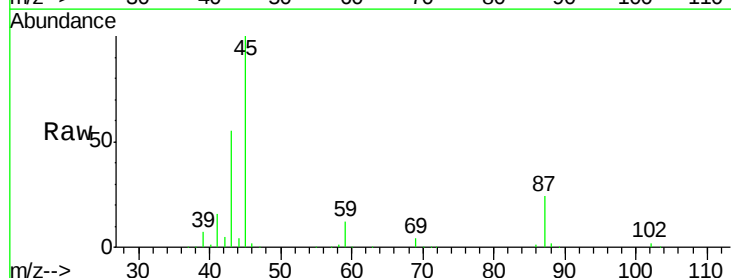
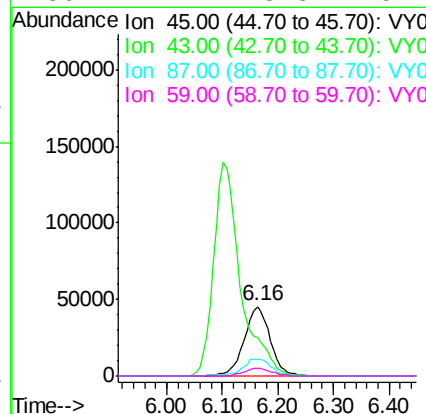
RT: 6.16 min Scan# 726

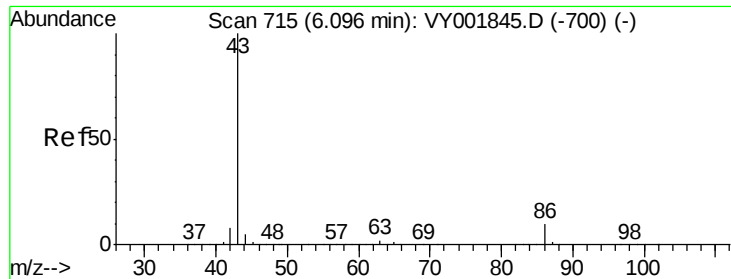
Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.0	47.2	70.8
87	24.2	19.8	29.8
59	11.7	8.8	13.2





#23

Vinyl Acetate

Concen: 100.724 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 43 Resp: 470497

Ion Ratio Lower Upper

43 100

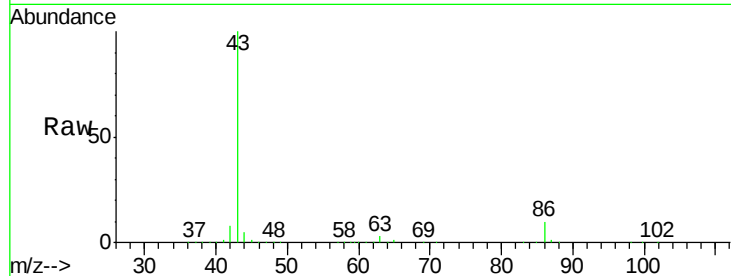
86 10.1 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

150000

100000

50000

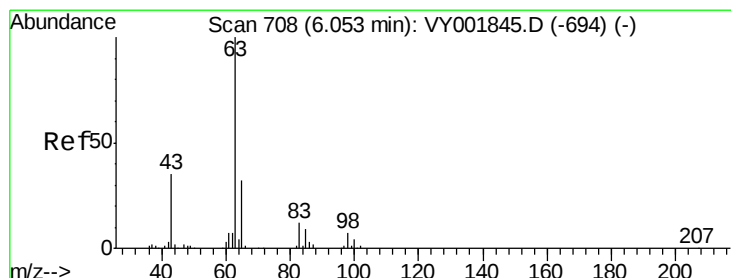
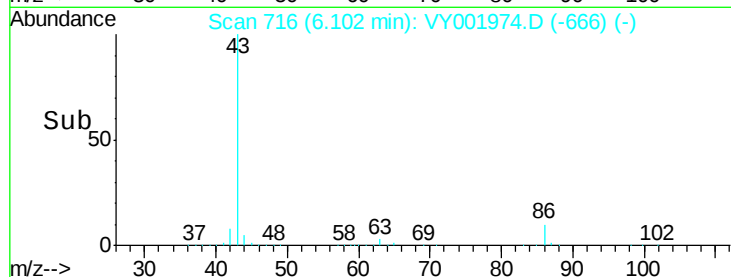
0

6.10

6.20

6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.128 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

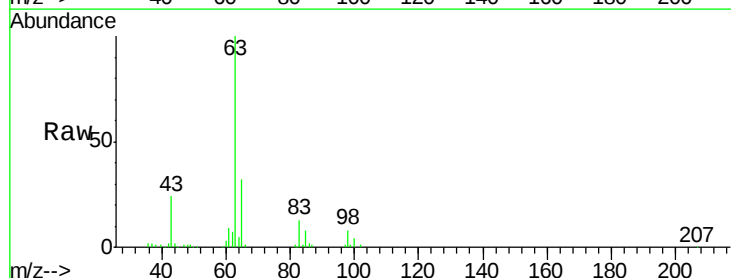
Tgt Ion: 63 Resp: 77664

Ion Ratio Lower Upper

63 100

98 8.1 3.4 10.2

100 3.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

30000

25000

20000

15000

10000

5000

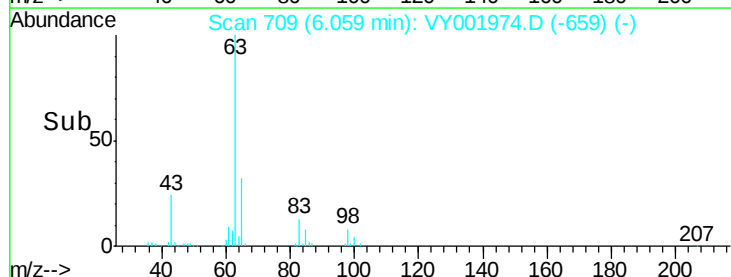
0

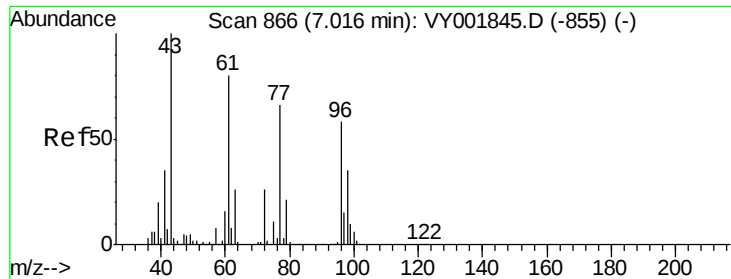
6.06

6.10

6.20

Time-->





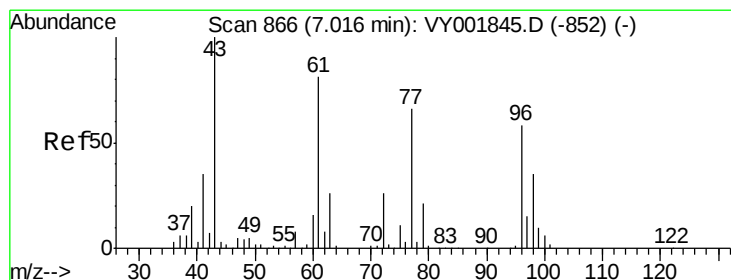
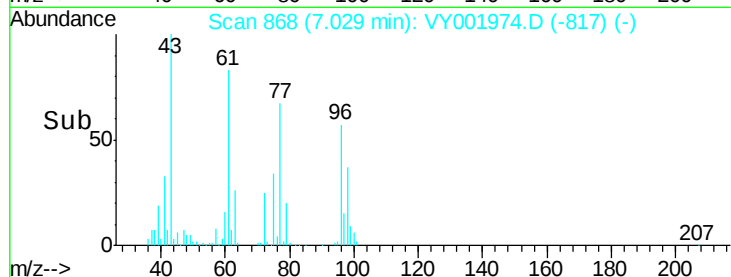
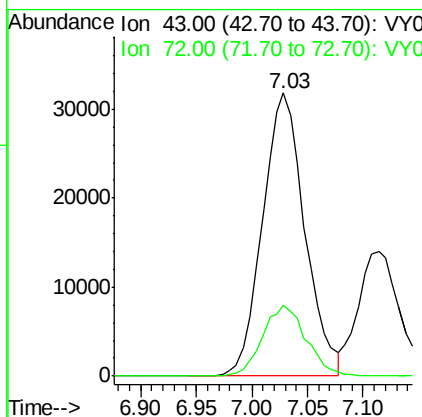
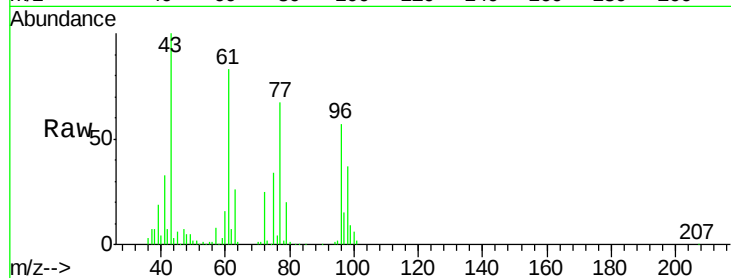
#25
2-Butanone
Concen: 100.754 ug/l
RT: 7.03 min Scan# 868
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion: 43 Resp: 84020
Ion Ratio Lower Upper
43 100
72 25.1 20.9 31.3

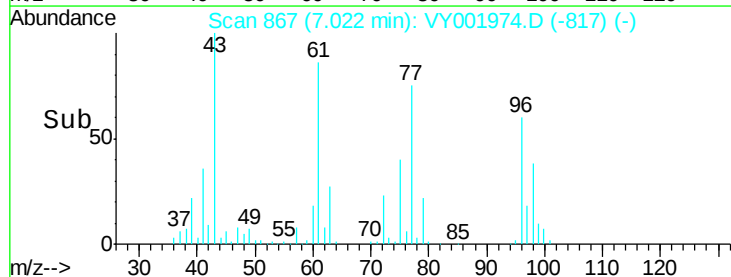
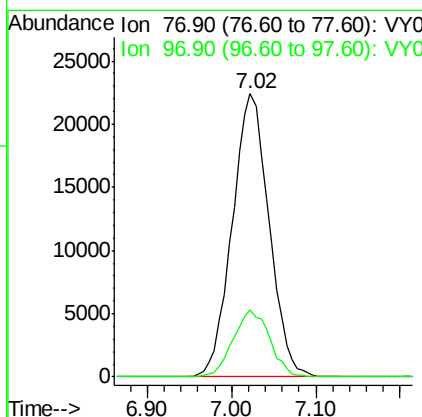
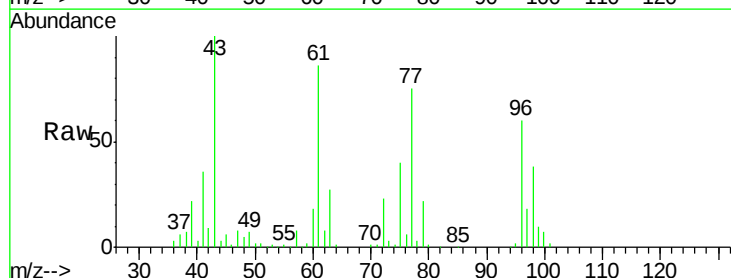
Manual Integrations
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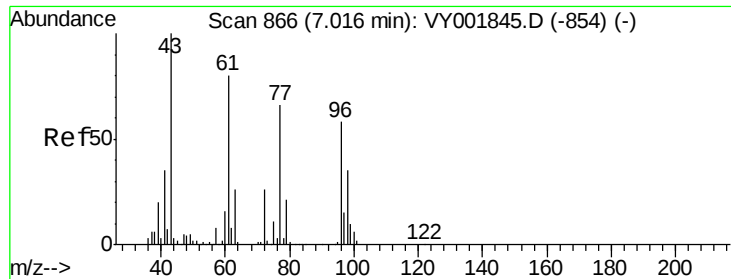
MMDadoda
3/17/2020 12:06:29 PM



#26
2,2-Dichloropropane
Concen: 20.902 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 77 Resp: 66197
Ion Ratio Lower Upper
77 100
97 23.7 11.9 35.7





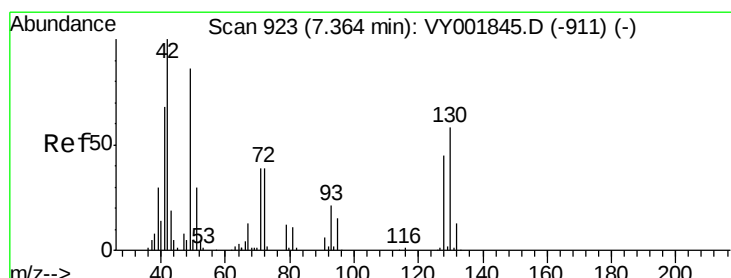
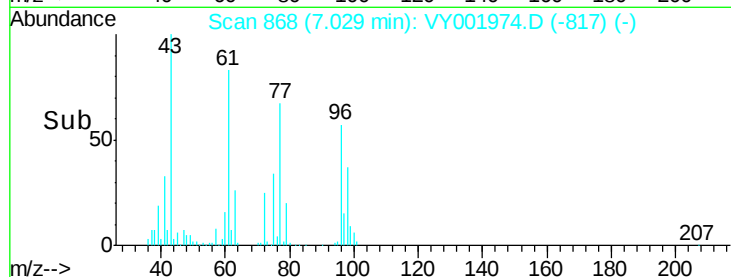
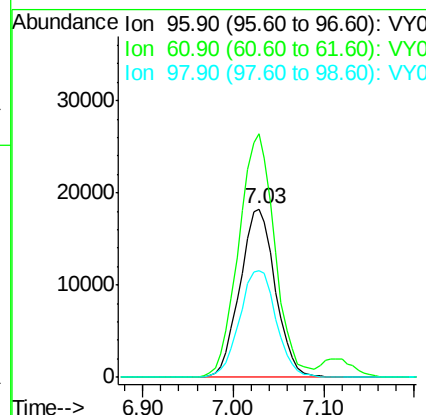
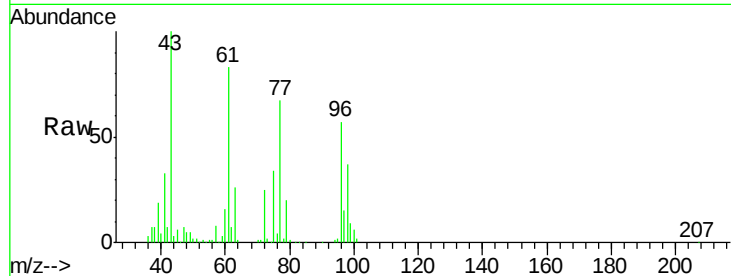
#27
 cis-1,2-Dichloroethene
 Concen: 20.429 ug/l
 RT: 7.03 min Scan# 868
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	288.2
98	65.6	0.0	129.0

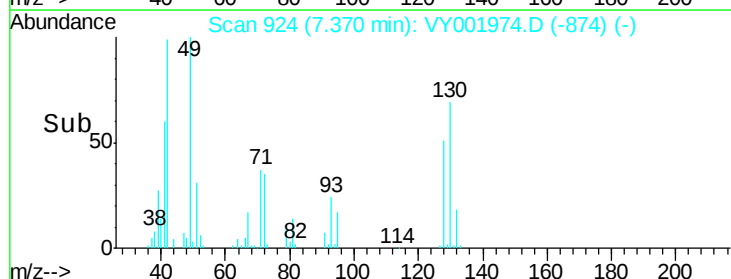
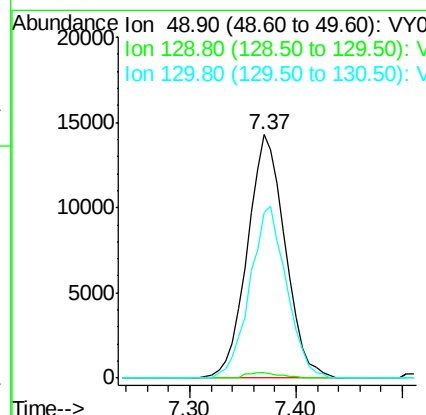
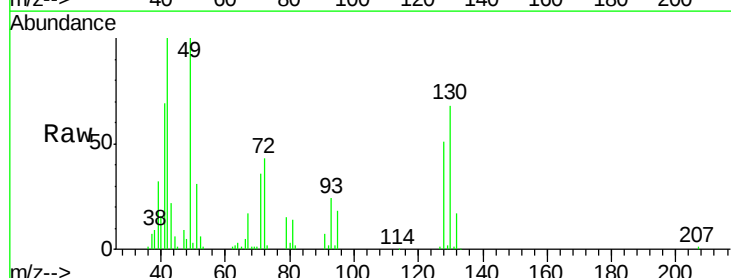
Manual Integrations
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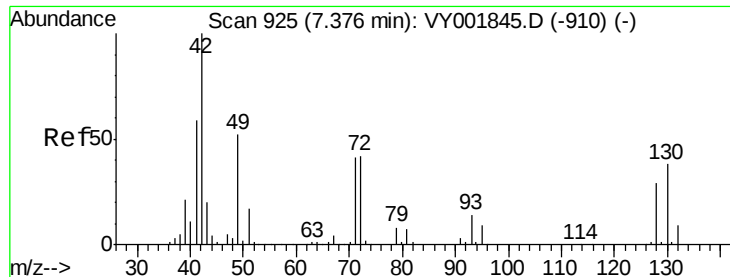
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#28
 Bromochloromethane
 Concen: 20.427 ug/l
 RT: 7.37 min Scan# 924
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	68.7	54.4	81.6





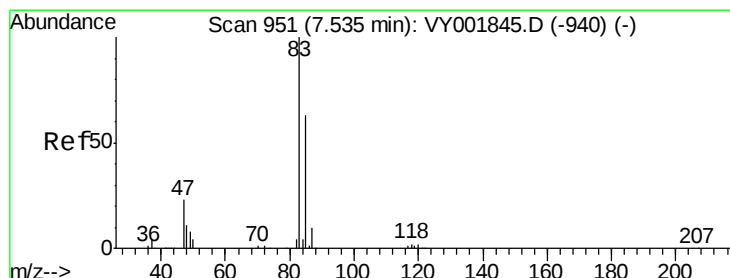
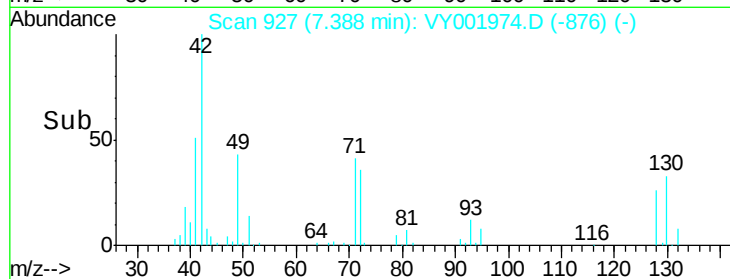
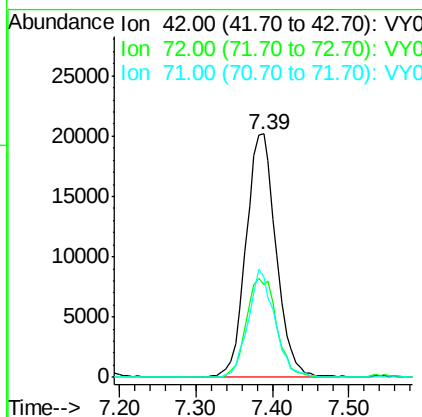
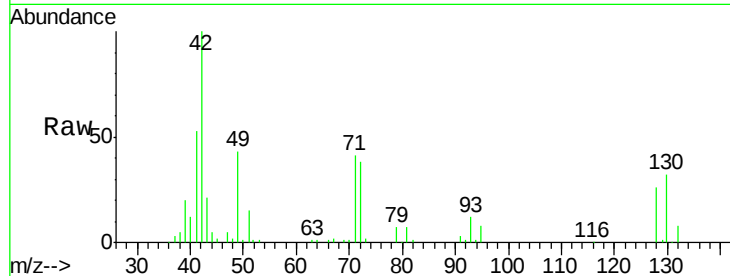
#29
Tetrahydrofuran
Concen: 99.935 ug/l
RT: 7.39 min Scan# 927
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.5	50.3
71	39.2	31.3	46.9

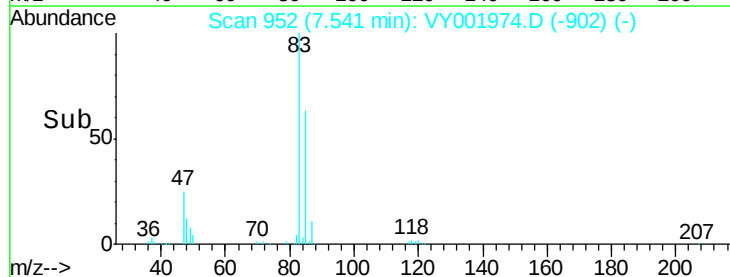
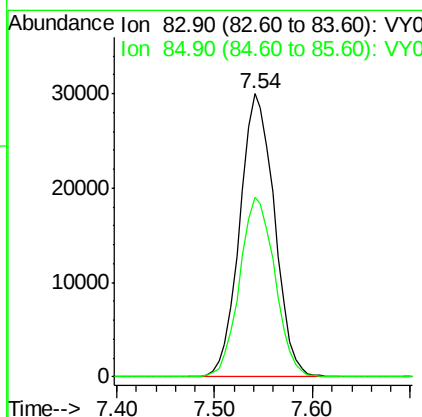
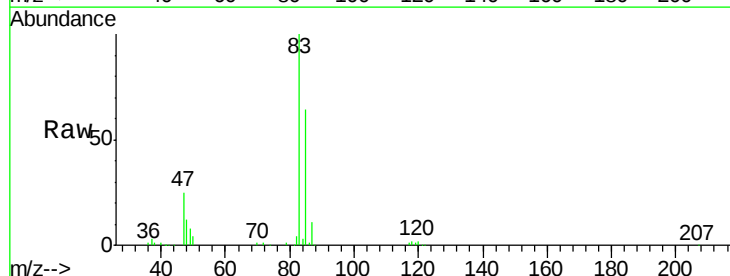
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#30
Chloroform
Concen: 20.419 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.7	76.1





#31

Cyclohexane

Concen: 19.341 ug/l

RT: 7.81 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

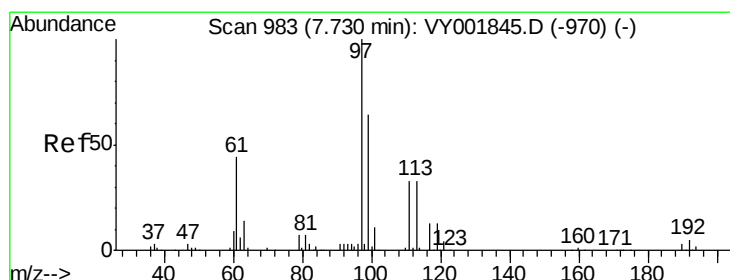
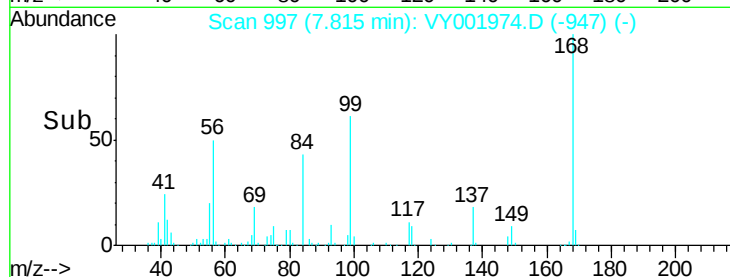
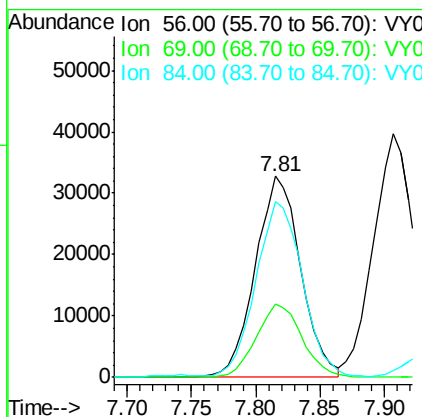
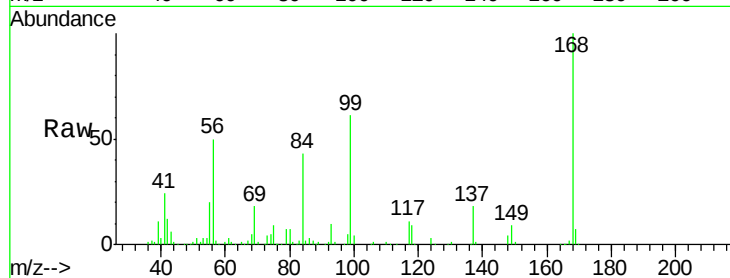
ClientSampleId :

VY0316SBS01

Tot Ion:	56	Resp:	80019
Ion	Ratio	Lower	Upper
56	100		
69	36.5	26.7	40.1
84	85.9	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.612 ug/l

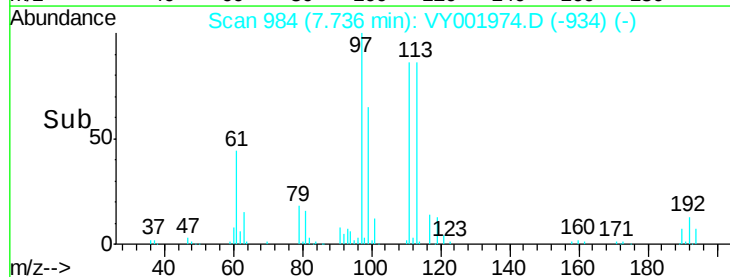
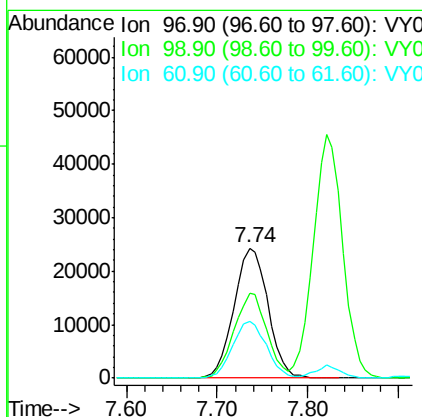
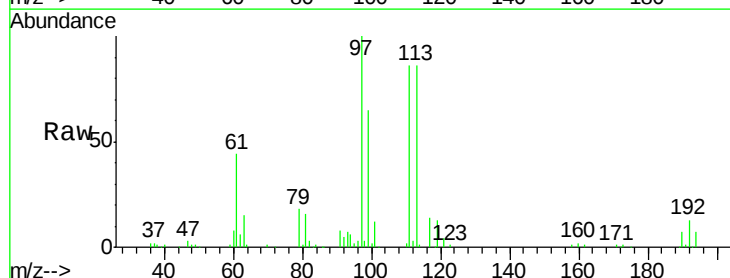
RT: 7.74 min Scan# 984

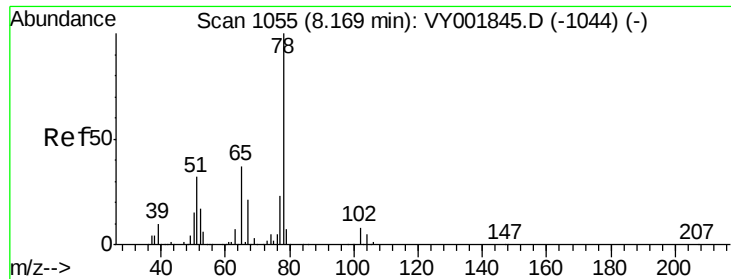
Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion:	97	Resp:	62981
Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.0	78.0
61	43.7	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 49.940 ug/l

RT: 8.17 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 65 Resp: 94023

Ion Ratio Lower Upper

65 100

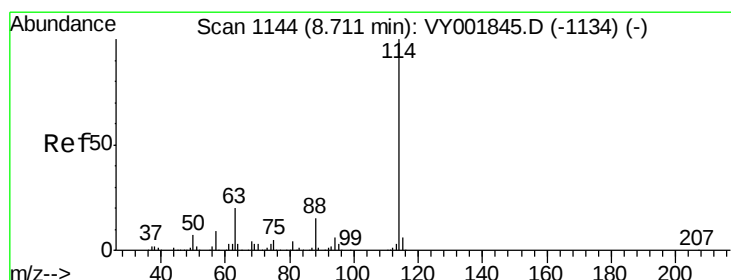
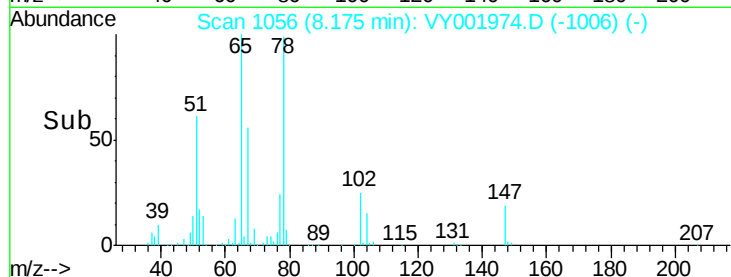
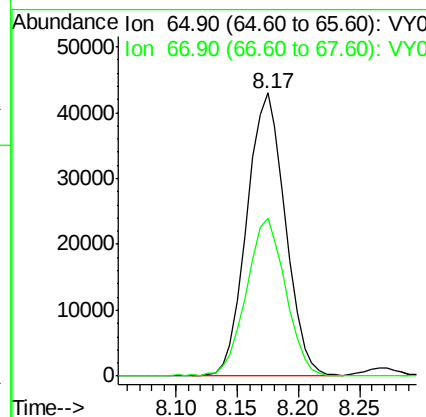
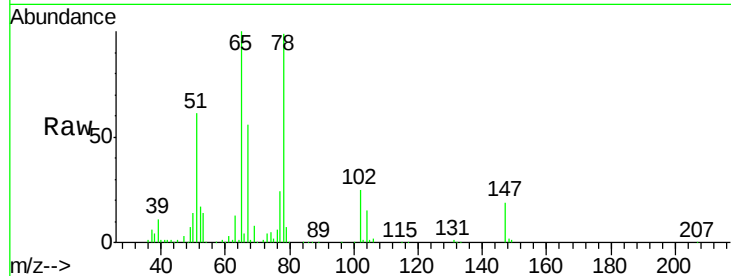
67 56.8 0.0 110.8

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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: VY001974.D

Acq: 16 Mar 2020 11:54

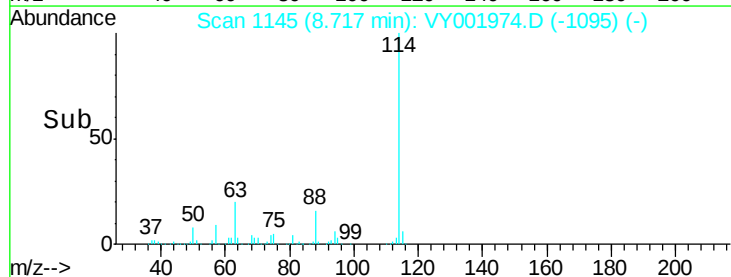
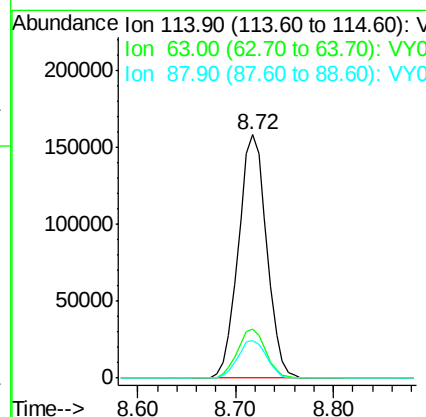
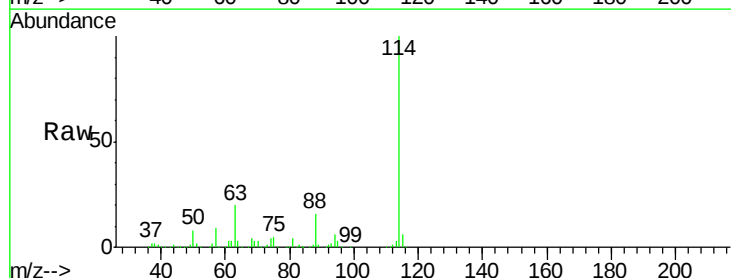
Tgt Ion: 114 Resp: 315537

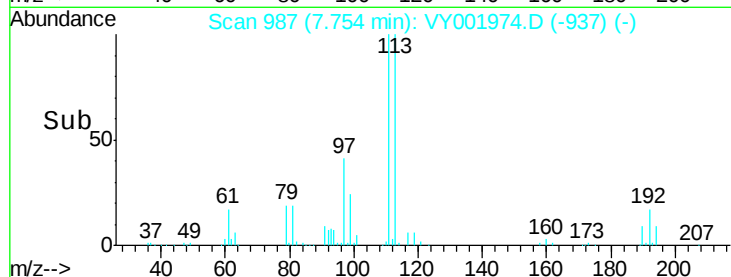
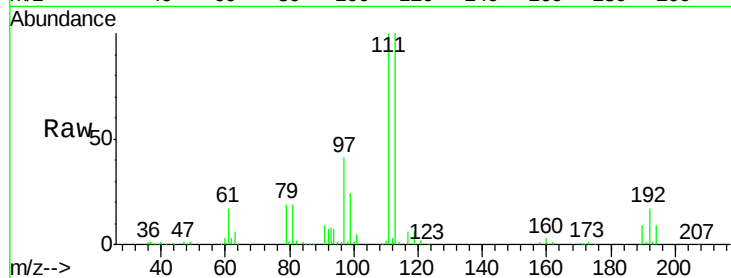
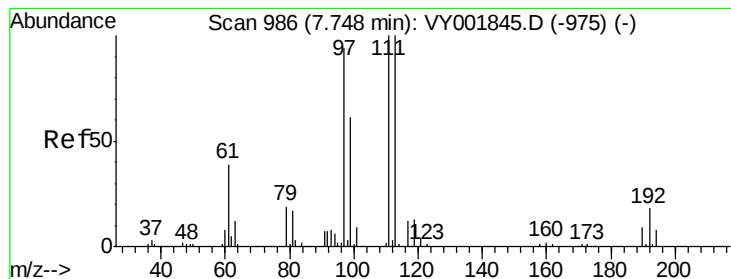
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.4

88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.995 ug/l

RT: 7.75 min Scan# 987

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tot Ion:	113	Resp:	89586
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.8	122.8
192	18.0	14.2	21.2

Instrument :

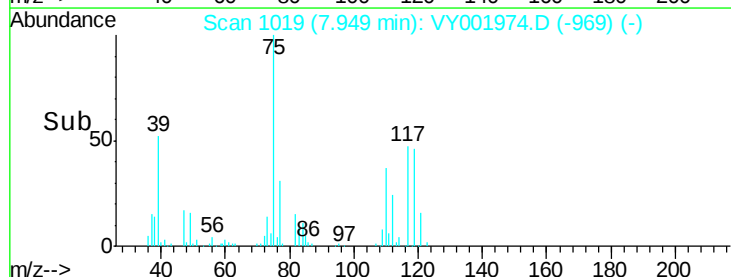
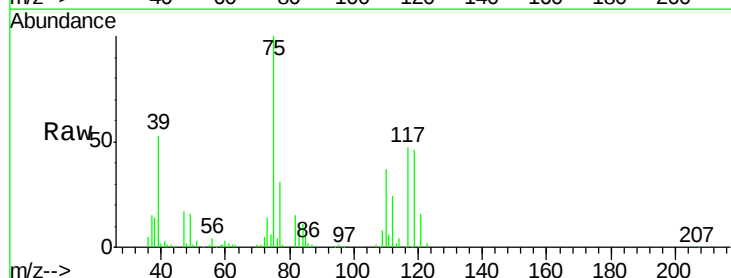
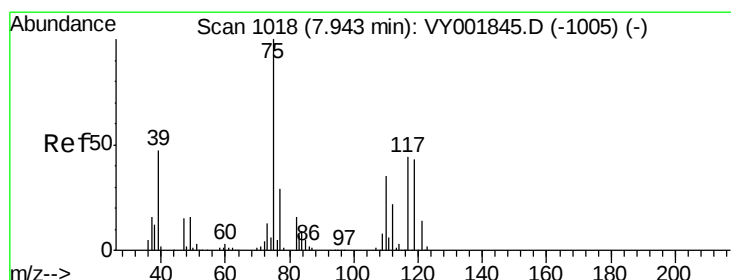
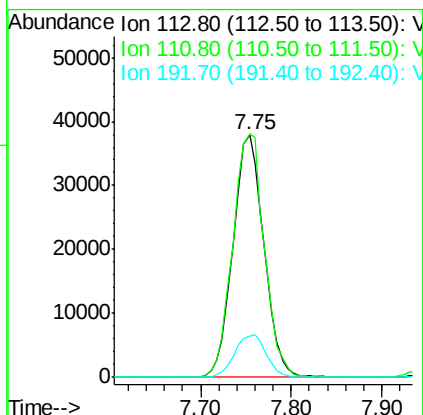
MSVOA_Y

ClientSampleId :

VY0316SBS01

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#36

1,1-Dichloropropene

Concen: 20.169 ug/l

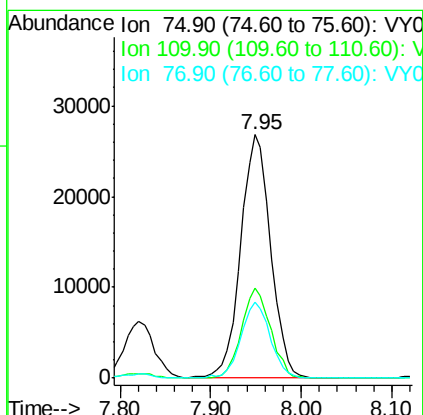
RT: 7.95 min Scan# 1019

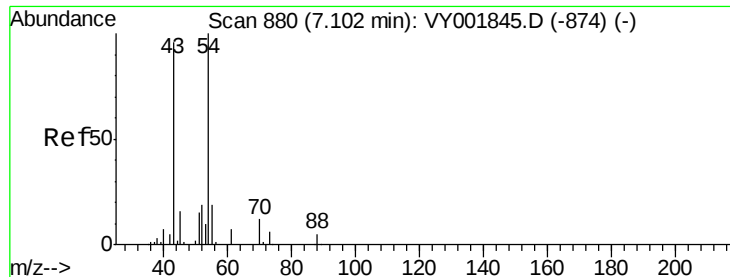
Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion:	75	Resp:	61243
Ion Ratio	Lower	Upper	
75	100		
110	35.6	17.4	52.2
77	30.7	24.2	36.2





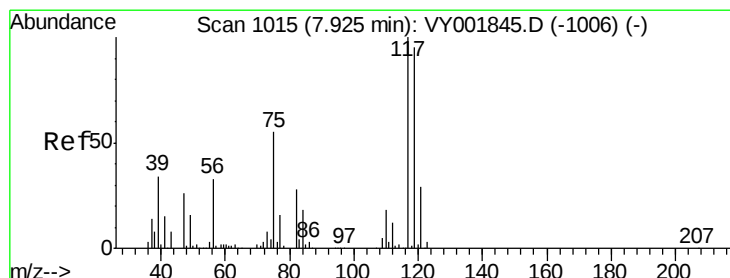
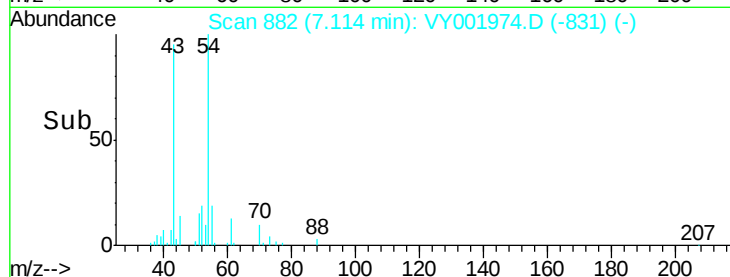
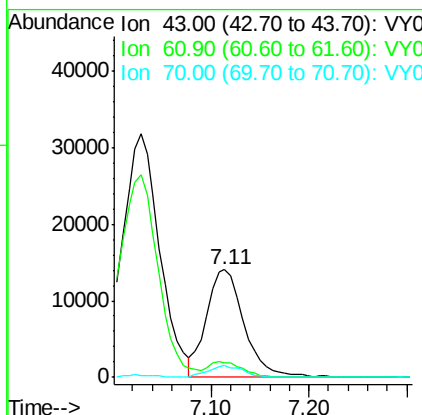
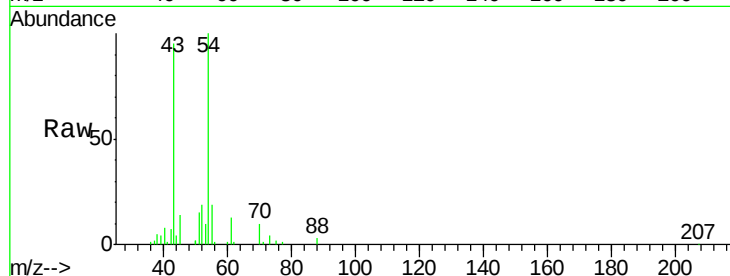
#37
Ethyl Acetate
Concen: 21.106 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.1	16.7
70	10.3	8.2	12.4

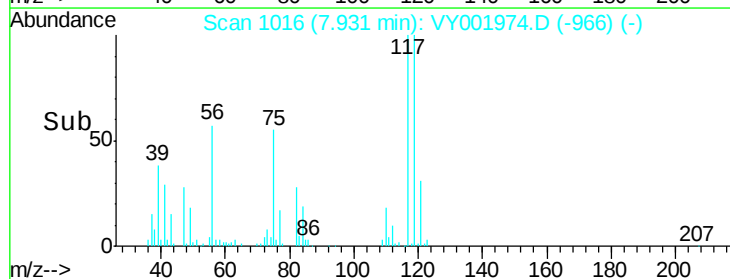
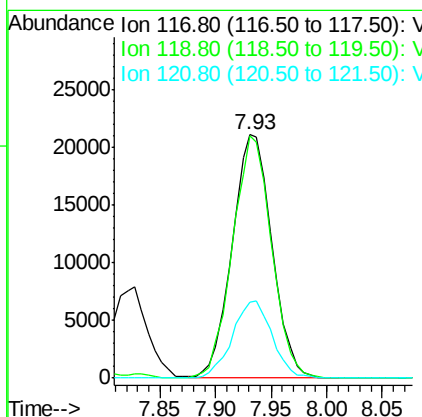
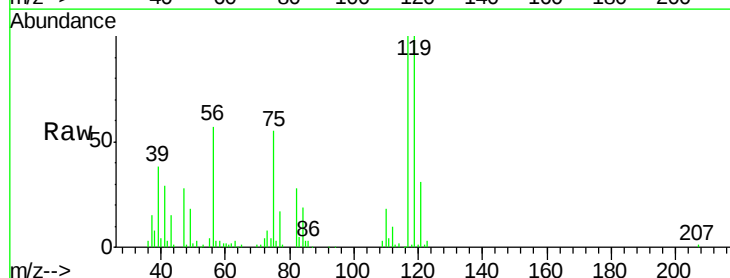
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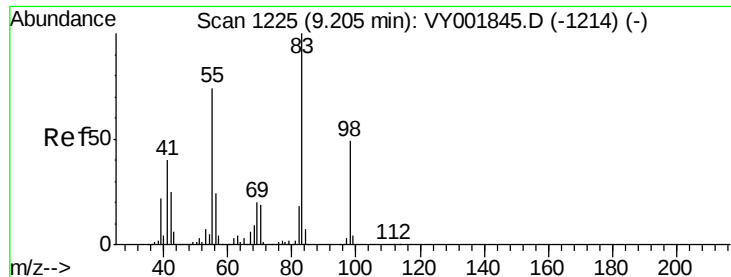
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#38
Carbon Tetrachloride
Concen: 20.201 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	76.3	114.5
121	31.2	23.5	35.3





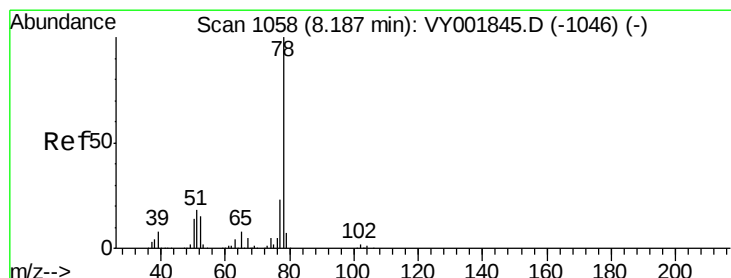
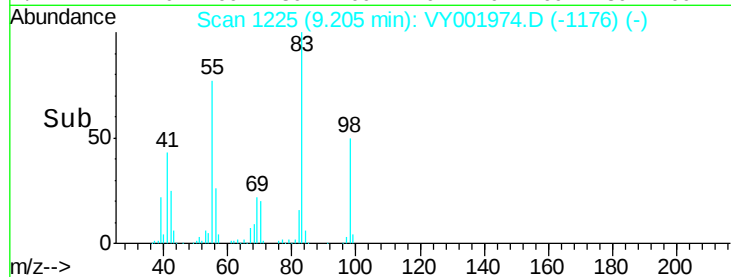
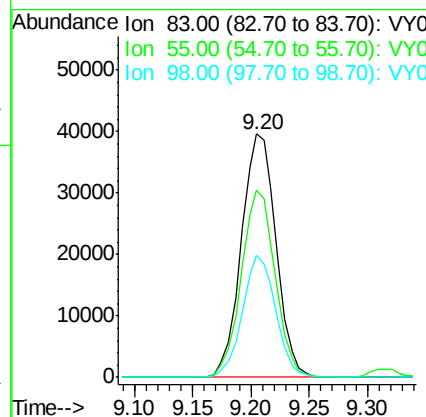
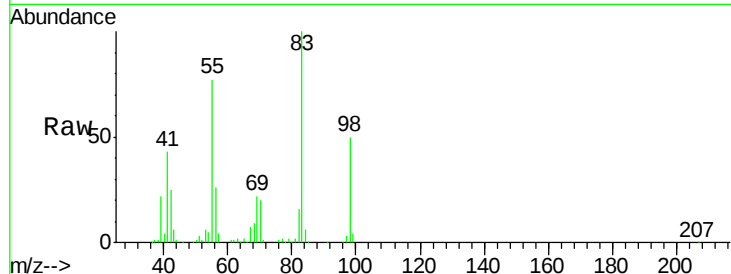
#39
Methvlcvclohexane
Concen: 20.365 ug/l
RT: 9.20 min Scan# 1225
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	59.4	89.0
98	50.3	38.9	58.3

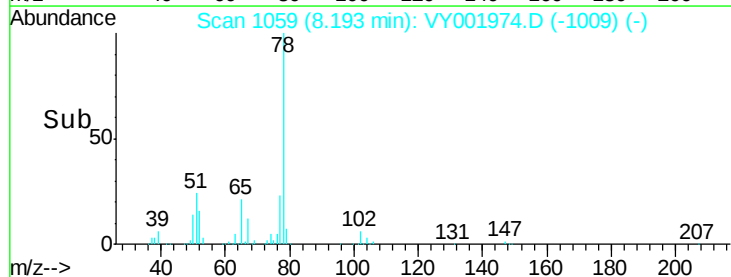
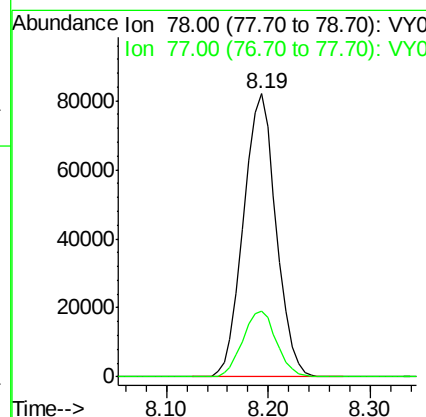
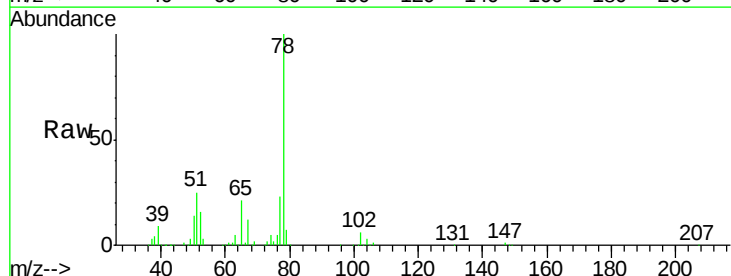
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#40
Benzene
Concen: 20.212 ug/l
RT: 8.19 min Scan# 1059
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.7	28.1





#41

Methacrylonitrile

Concen: 28.524 ug/l m

RT: 7.36 min Scan# 922

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

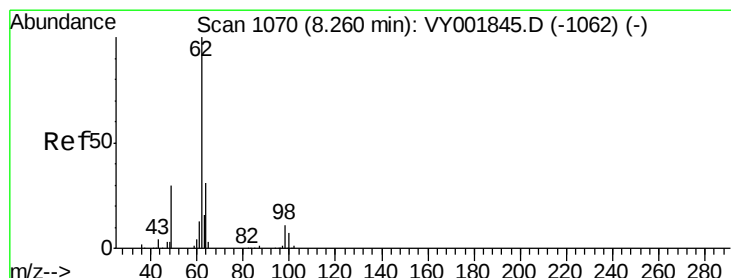
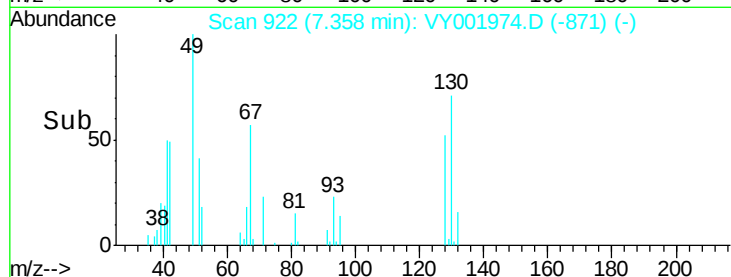
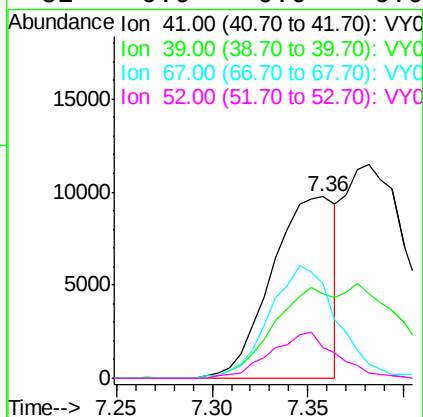
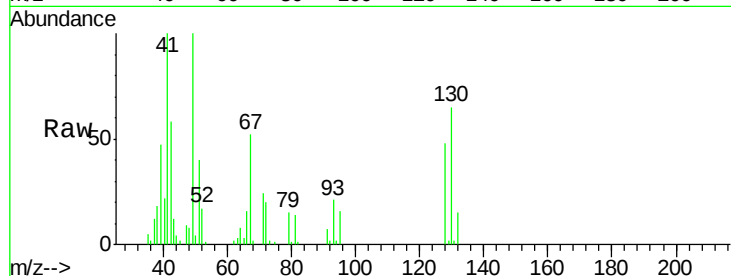
ClientSampleId :

VY0316SBS01

Tot Ion	41	Resp	22654
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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#42

1,2-Dichloroethane

Concen: 21.032 ug/l

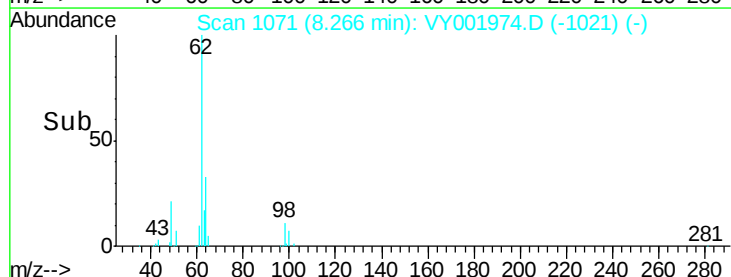
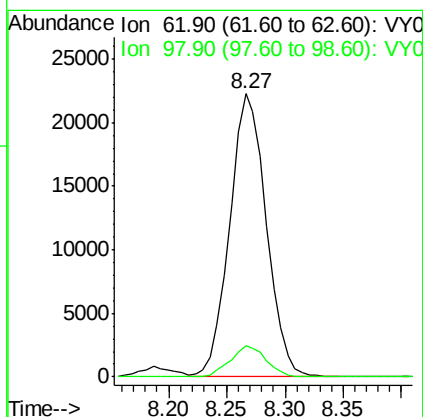
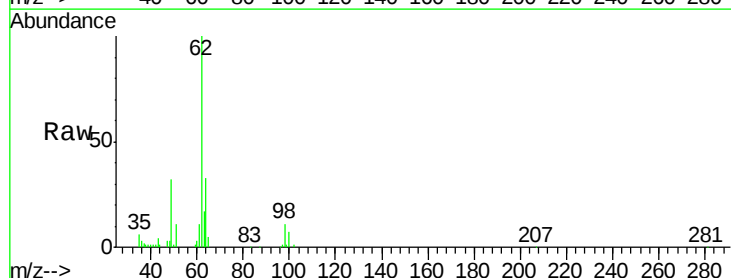
RT: 8.27 min Scan# 1071

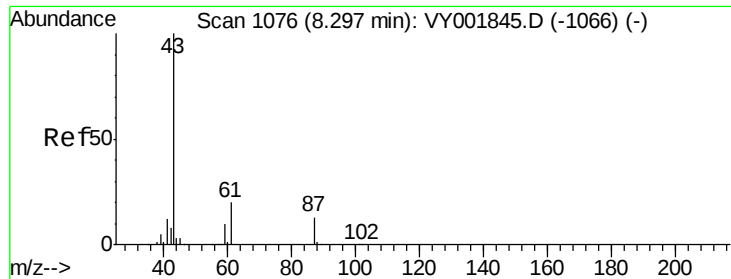
Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion	62	Resp	48777
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4





#43

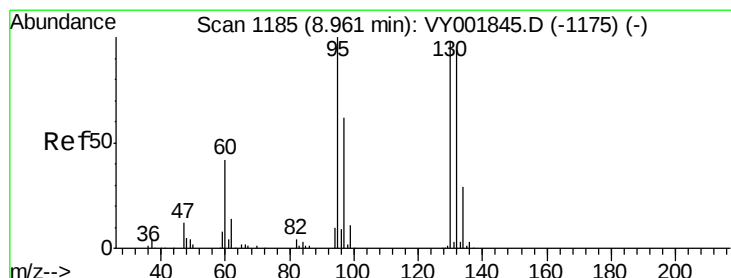
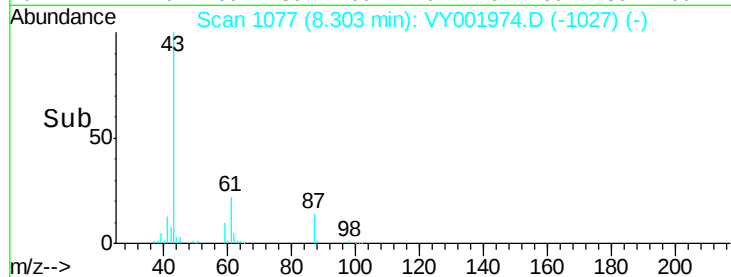
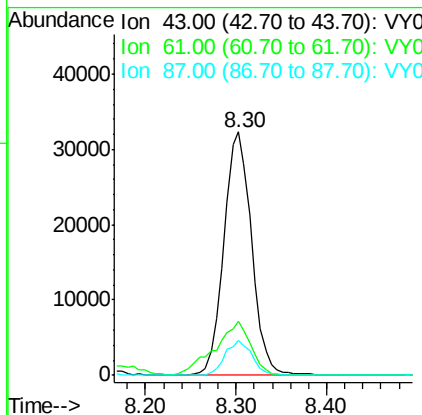
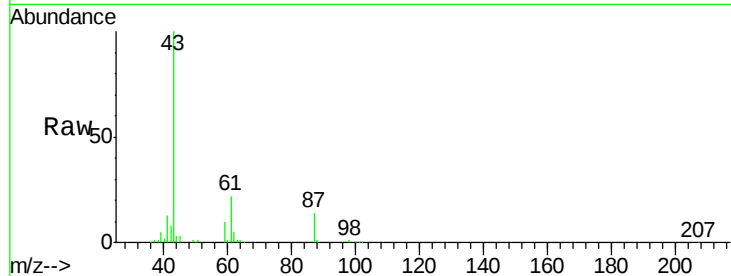
Isopropyl Acetate
 Concen: 20.520 ug/l
 RT: 8.30 min Scan# 1077
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.8	35.6
87	13.8	10.9	16.3

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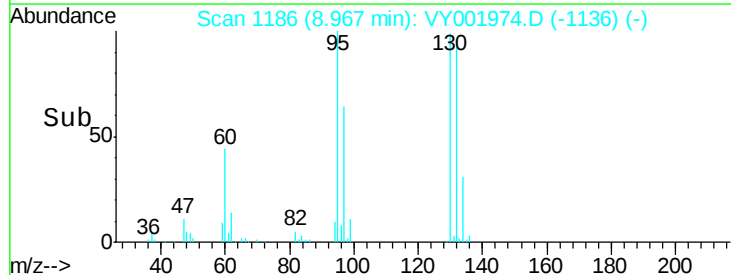
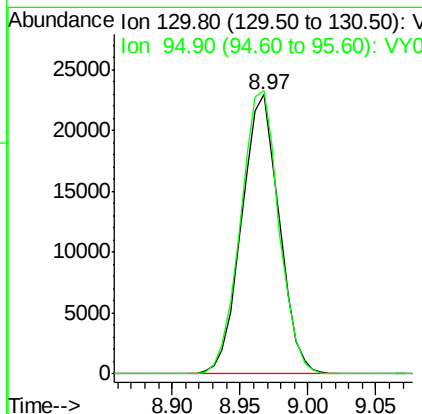
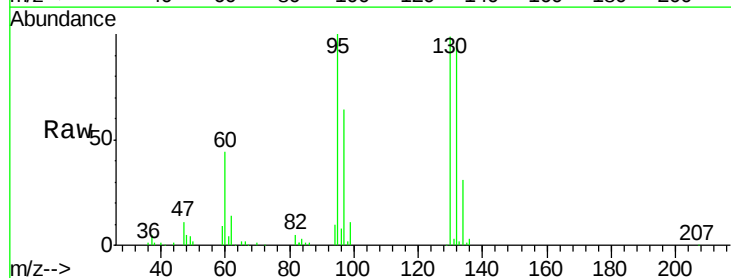
MMDadoda
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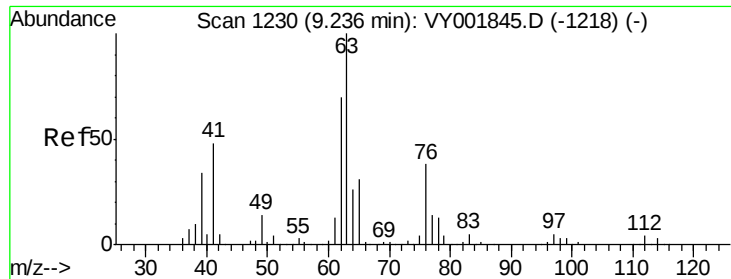


#44

Trichloroethene
 Concen: 20.241 ug/l
 RT: 8.97 min Scan# 1186
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	204.6





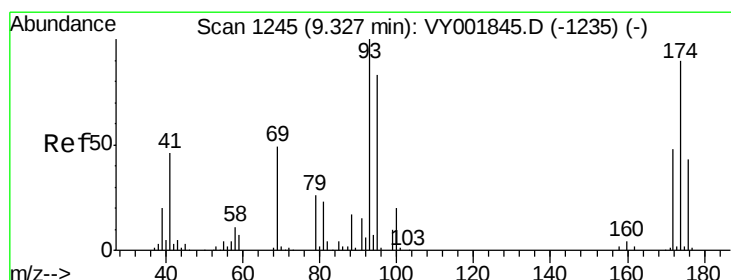
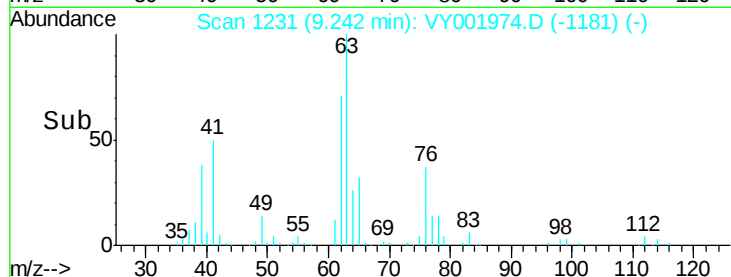
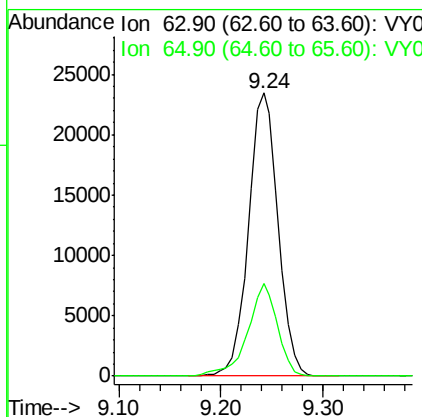
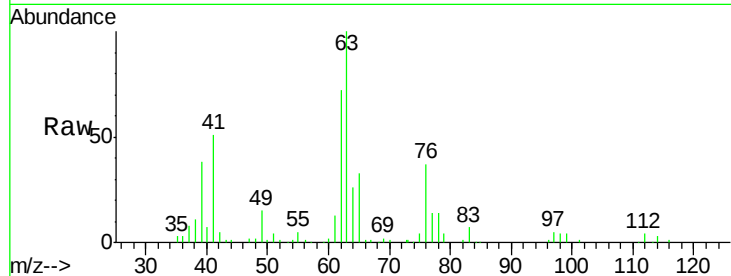
#45
 1,2-Dichloropropane
 Concen: 20.905 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion: 63 Resp: 47297
 Ion Ratio Lower Upper
 63 100
 65 32.6 24.9 37.3

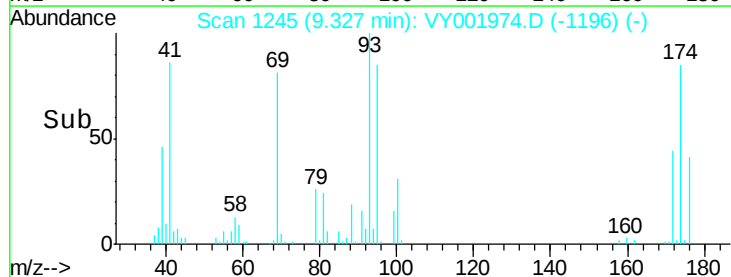
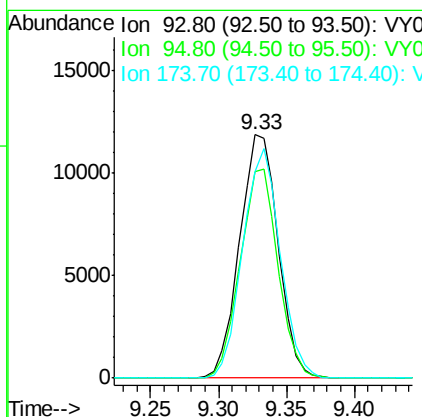
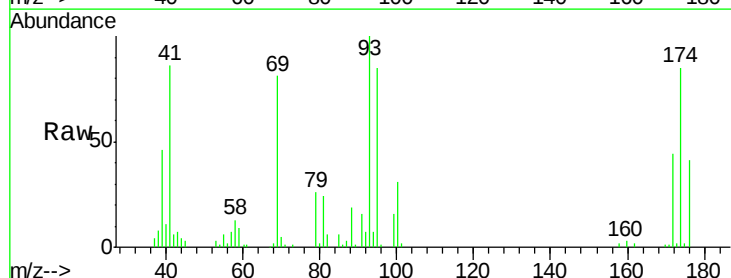
Manual Integrations
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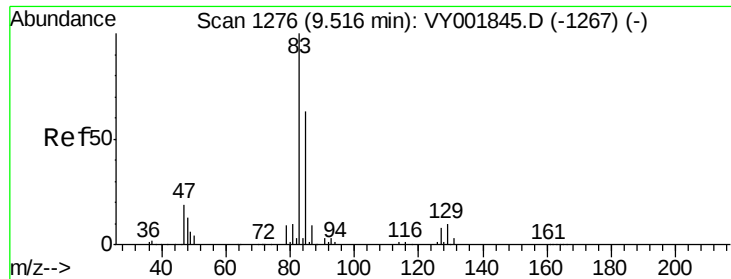
MMDadoda
 3/17/2020 12:06:29 PM



#46
 Dibromomethane
 Concen: 20.170 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 93 Resp: 23516
 Ion Ratio Lower Upper
 93 100
 95 84.4 67.0 100.4
 174 91.8 71.8 107.8





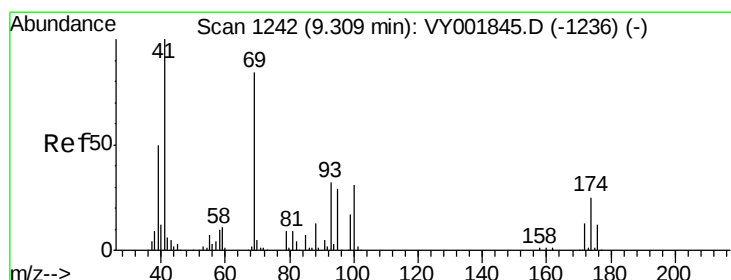
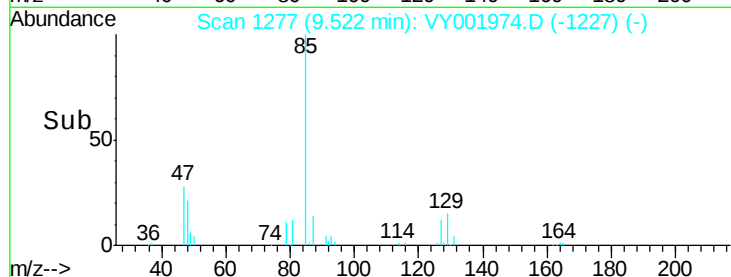
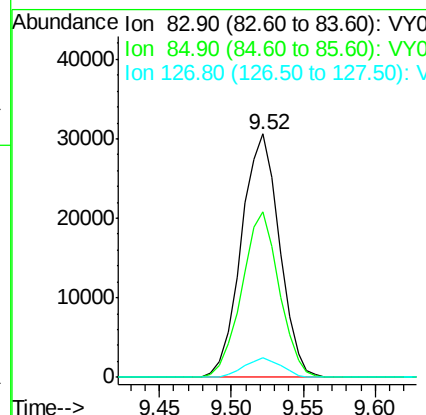
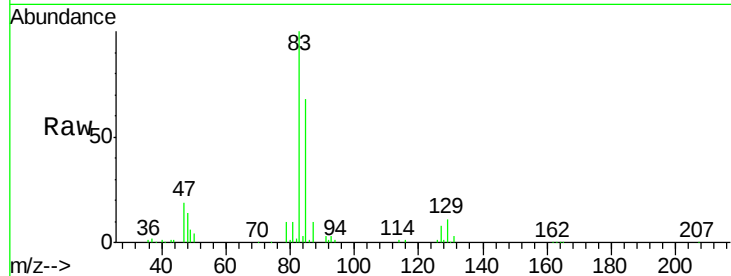
#47
Bromodichloromethane
Concen: 20.671 ug/l
RT: 9.52 min Scan# 1277
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	83	Resp	56061
Ion Ratio	100	Lower	Upper
83	100		
85	68.0	50.6	76.0
127	7.9	6.2	9.4

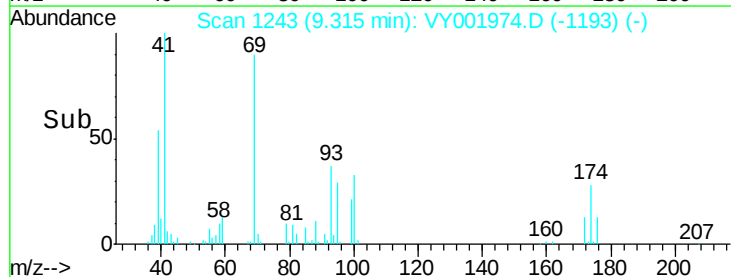
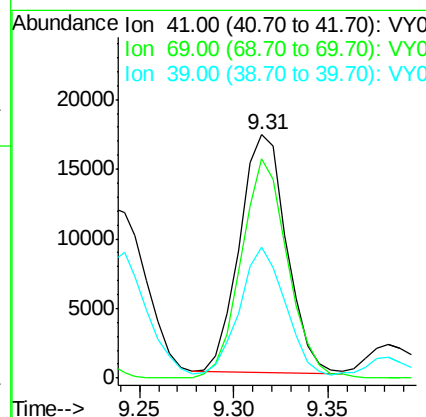
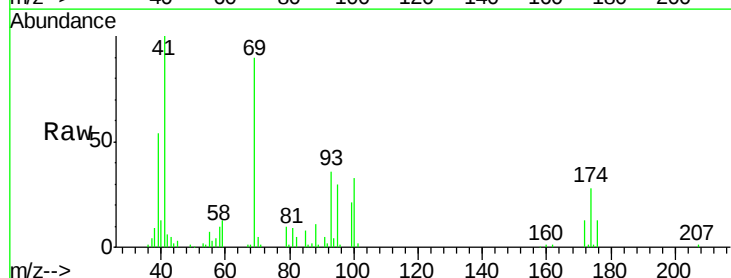
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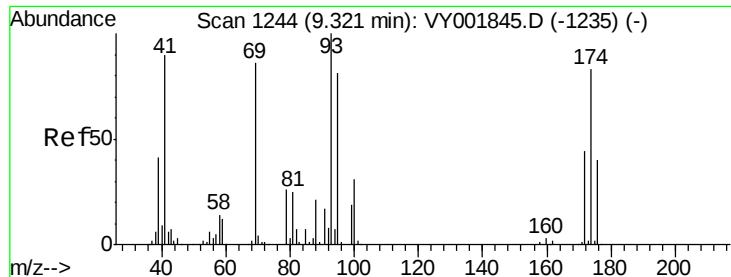
MMDadoda
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#48
Methyl methacrylate
Concen: 19.962 ug/l
RT: 9.31 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	41	Resp	29596
Ion Ratio	100	Lower	Upper
41	100		
69	90.7	69.0	103.6
39	52.1	39.1	58.7





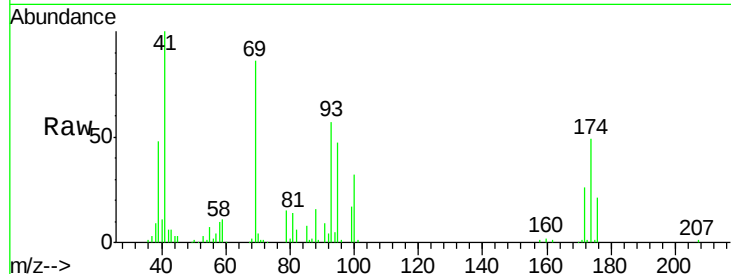
#49
1,4-Dioxane
Concen: 363.932 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	25.0	37.6
58	75.2	58.9	88.3

Manual Integrations
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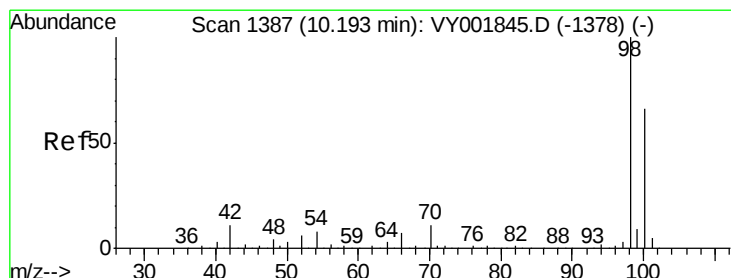
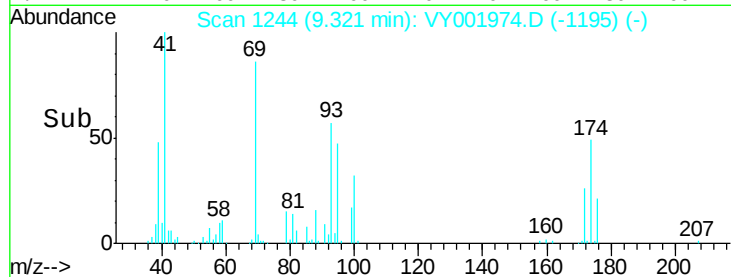
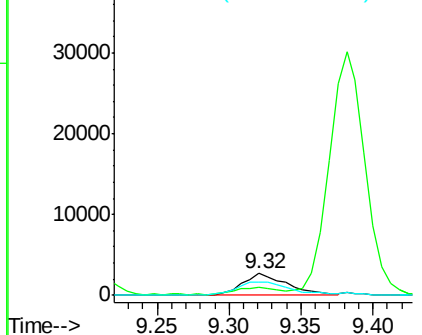


Abundance

Ion 88.00 (87.70 to 88.70): VY0

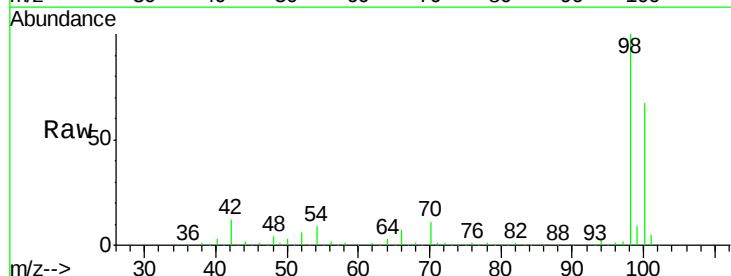
Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#50
Toluene-d8
Concen: 50.945 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

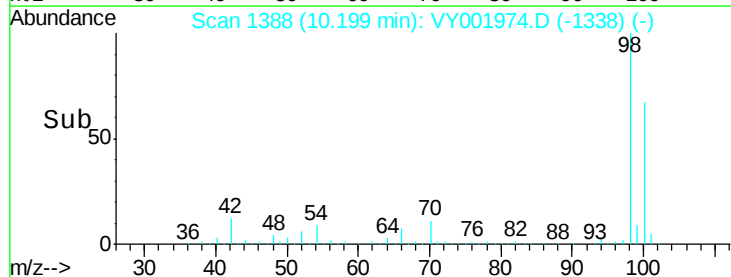
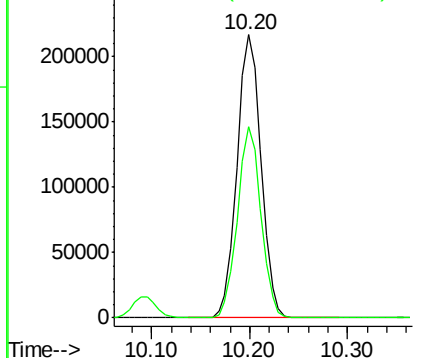
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.0	79.4



Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 108.626 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 43 Resp: 186942

Ion Ratio Lower Upper

43 100

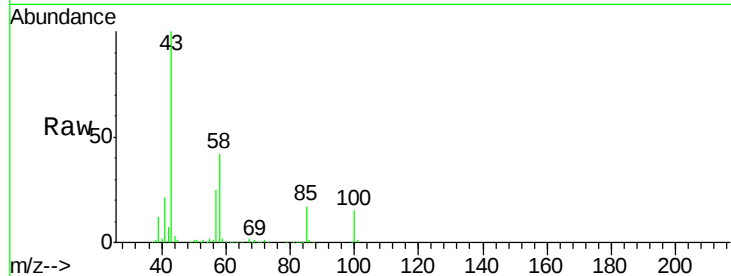
58 40.6 32.0 48.0

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

120000

100000

80000

60000

40000

20000

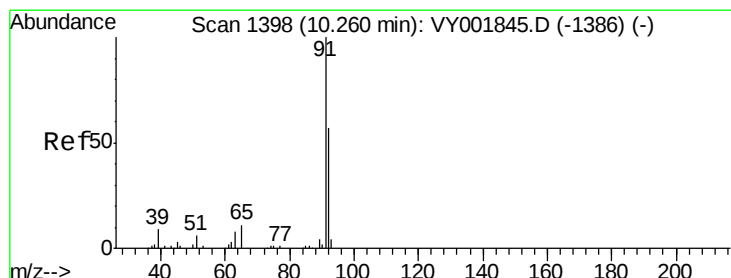
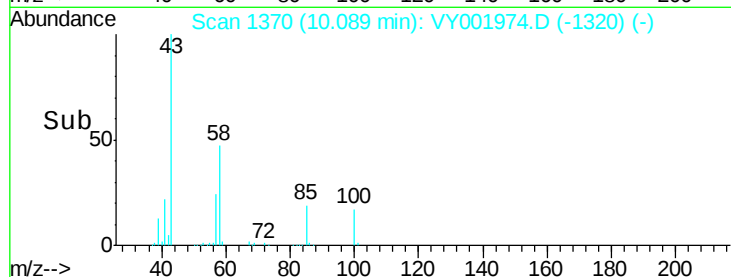
0

10.00

10.10

10.20

Time-->



#52

Toluene

Concen: 20.936 ug/l

RT: 10.27 min Scan# 1399

Delta R.T. 0.01 min

Lab File: VY001974.D

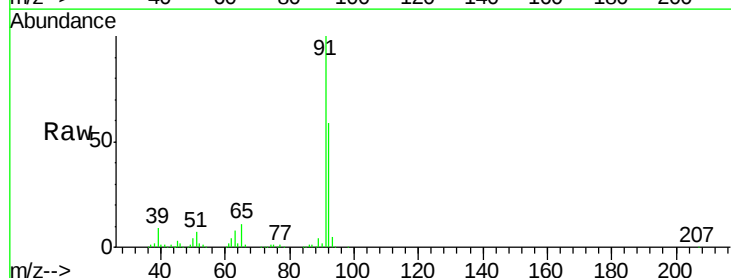
Acq: 16 Mar 2020 11:54

Tgt Ion: 92 Resp: 114464

Ion Ratio Lower Upper

92 100

91 169.1 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

120000

100000

80000

60000

40000

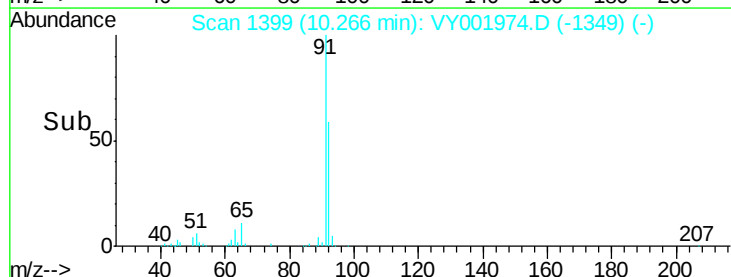
20000

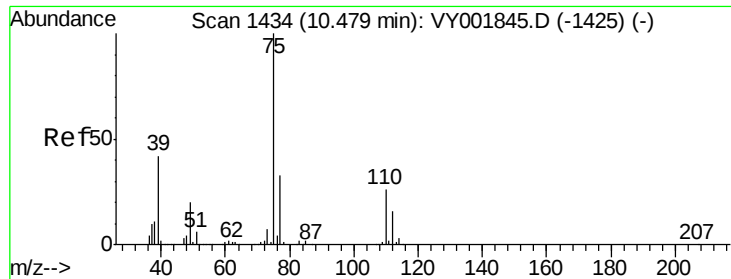
0

10.20

10.30

Time-->





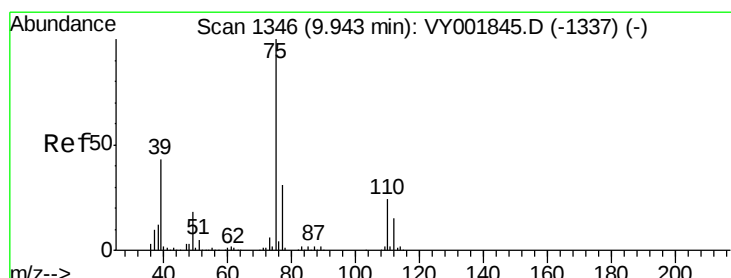
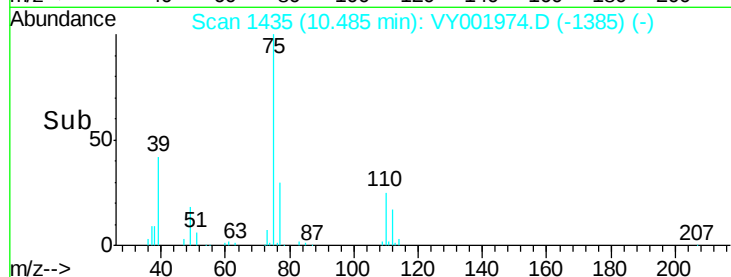
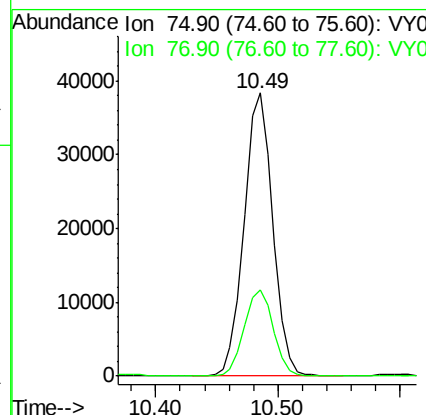
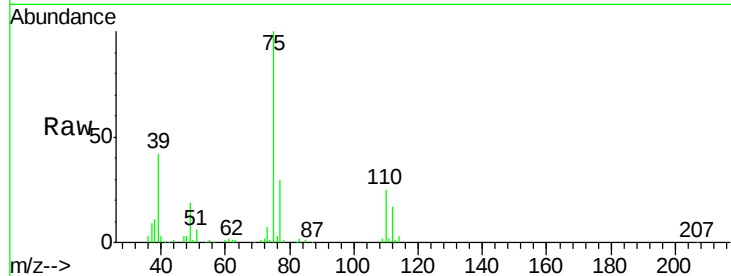
#53
t-1,3-Dichloropropene
Concen: 21.039 ug/l
RT: 10.49 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion: 75 Resp: 62166
Ion Ratio Lower Upper
75 100
77 30.3 26.3 39.5

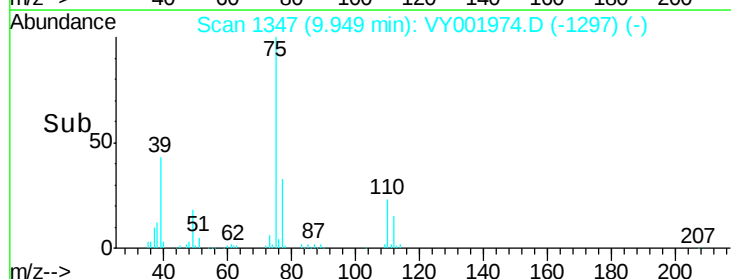
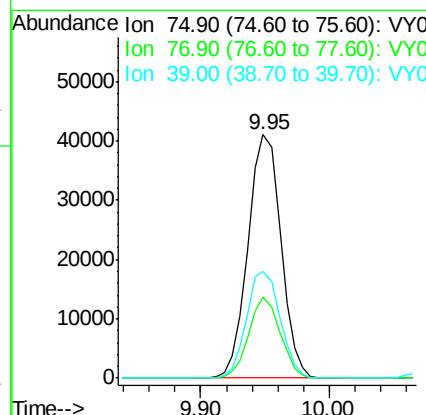
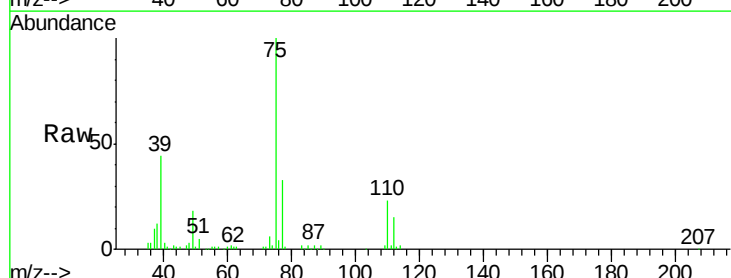
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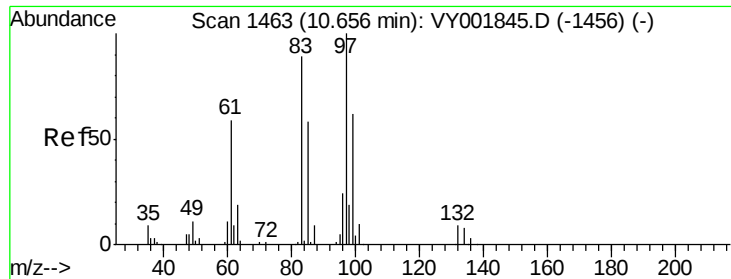
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#54
cis-1,3-Dichloropropene
Concen: 20.642 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 75 Resp: 72608
Ion Ratio Lower Upper
75 100
77 33.3 25.1 37.7
39 43.9 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 21.174 ug/l

RT: 10.66 min Scan# 1464

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 97 Resp: 36129

Ion Ratio Lower Upper

97 100

83 86.7 71.6 107.4

85 52.4 46.6 69.8

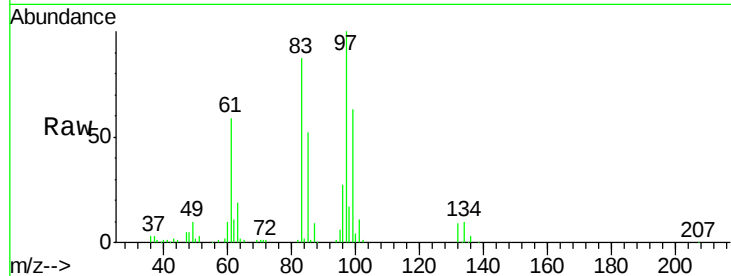
99 62.7 49.8 74.6

Manual Integrations

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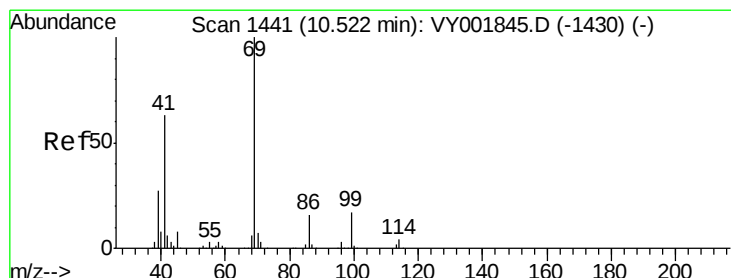
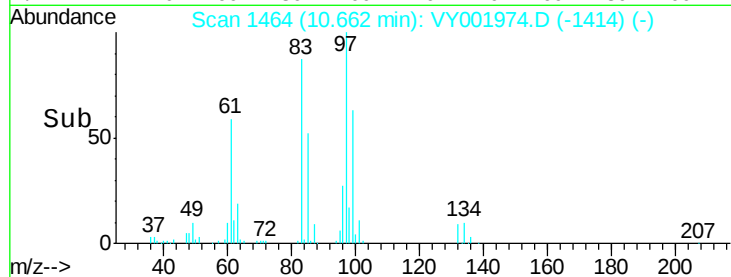
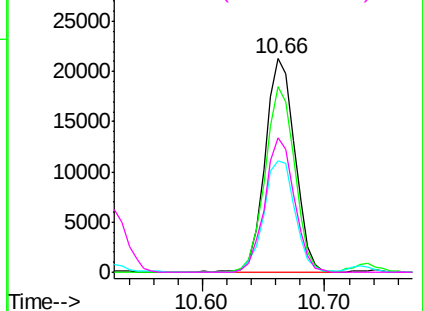


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 20.690 ug/l

RT: 10.53 min Scan# 1442

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

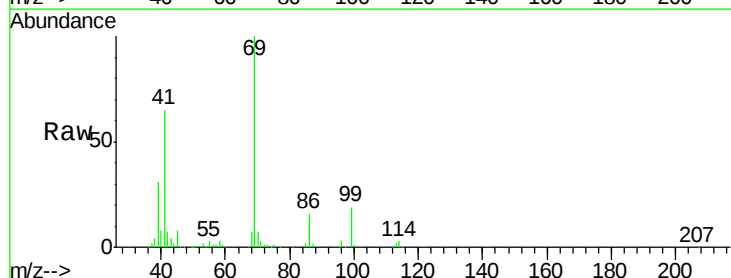
Tgt Ion: 69 Resp: 51746

Ion Ratio Lower Upper

69 100

41 63.3 49.9 74.9

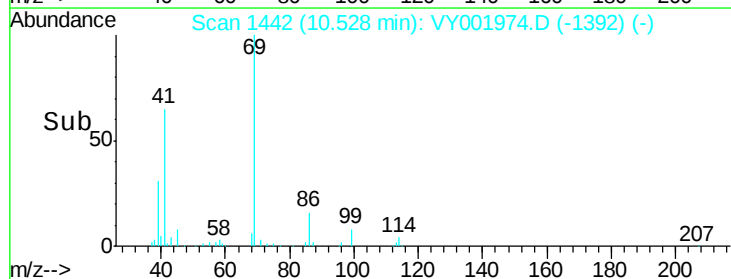
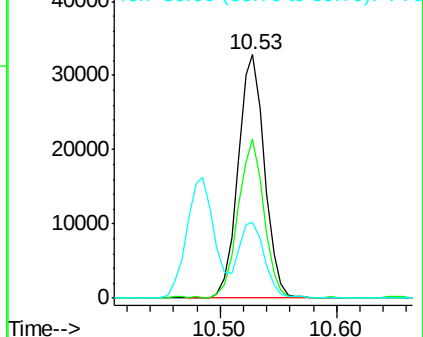
39 29.7 23.0 34.6

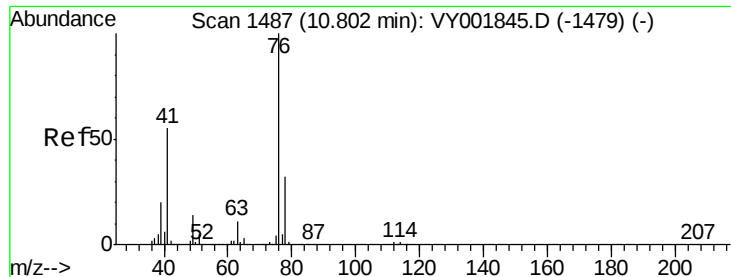


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





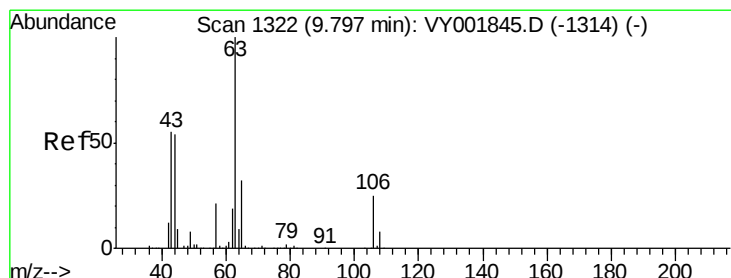
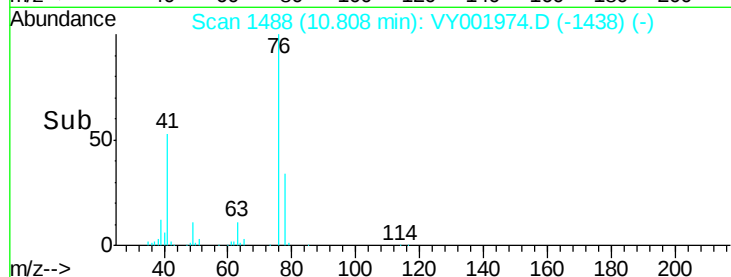
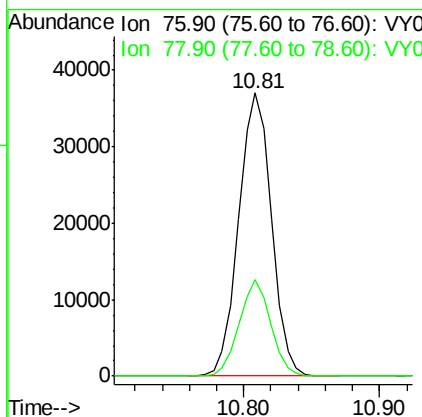
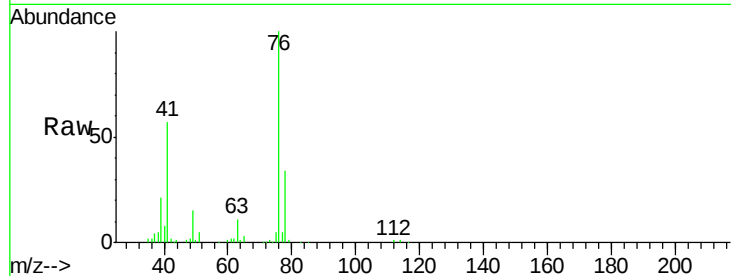
#57
 1,3-Dichloropropane
 Concen: 20.445 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.6

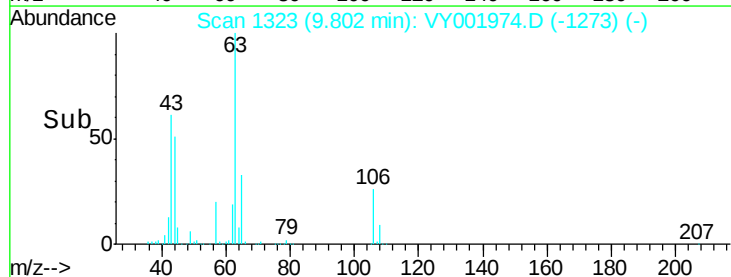
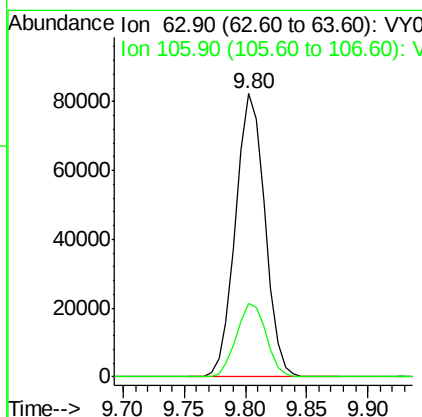
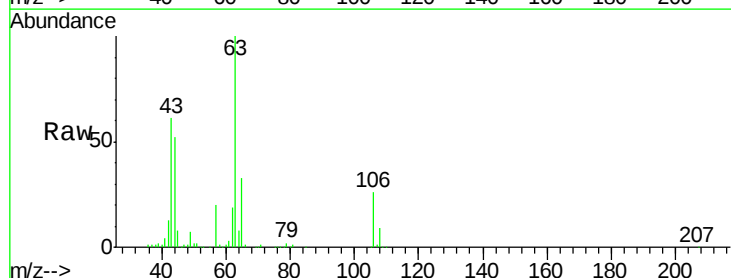
Manual Integrations
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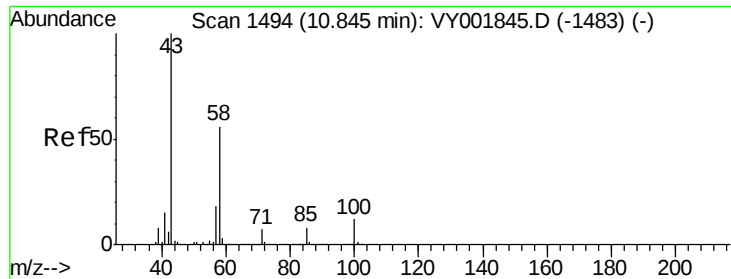
MMDadoda
 3/17/2020 12:06:29 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 142.550 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	21.3	31.9





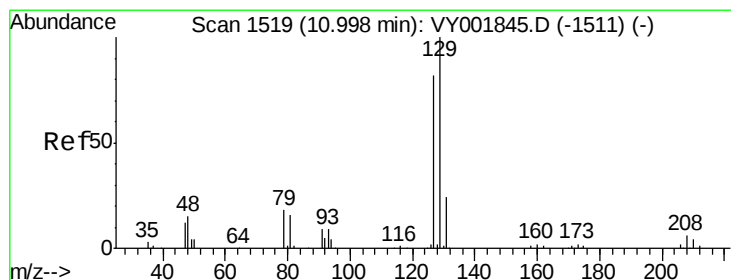
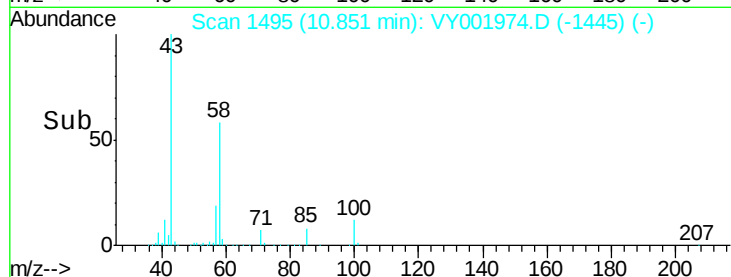
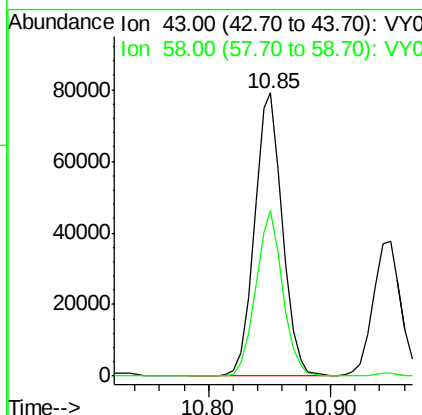
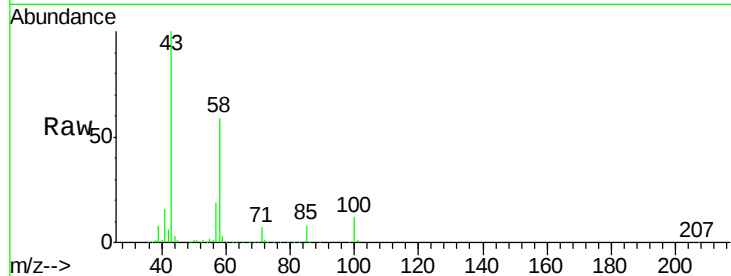
#59
2-Hexanone
Concen: 101.856 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion: 43 Resp: 125114
Ion Ratio Lower Upper
43 100
58 56.6 28.1 84.3

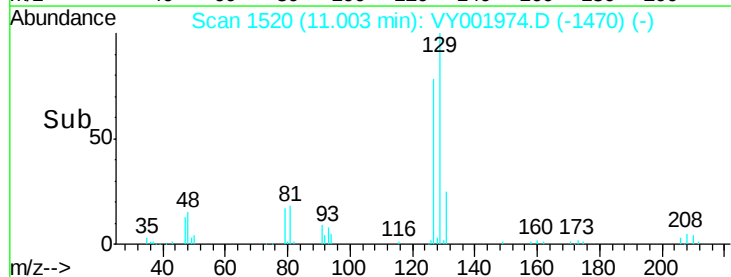
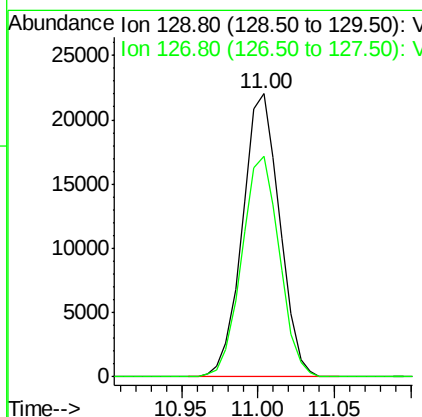
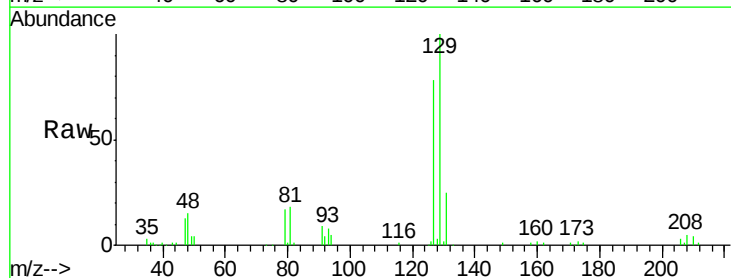
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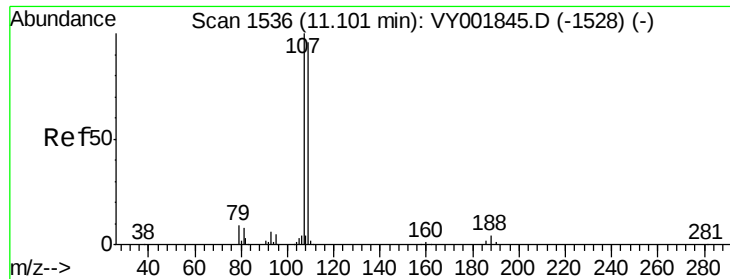
MMDadoda
3/17/2020 12:06:29 PM



#60
Dibromochloromethane
Concen: 20.643 ug/l
RT: 11.00 min Scan# 1520
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion: 129 Resp: 37114
Ion Ratio Lower Upper
129 100
127 78.8 39.0 117.0





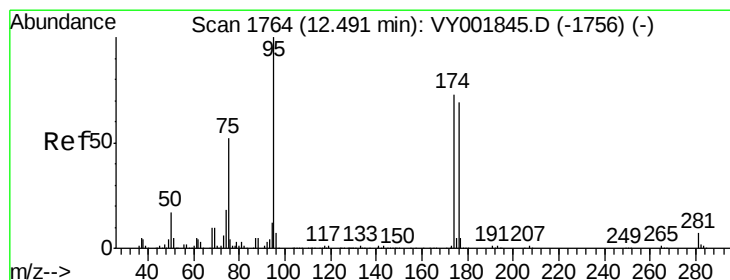
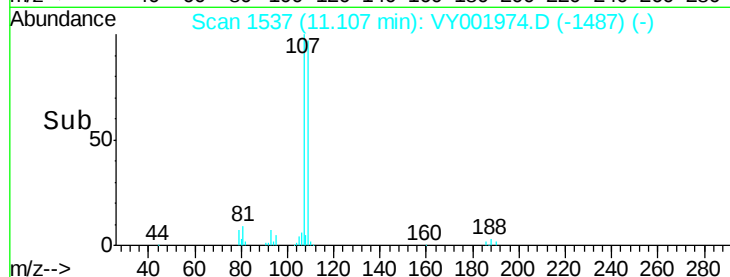
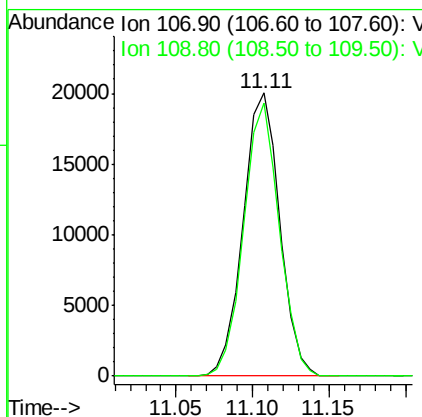
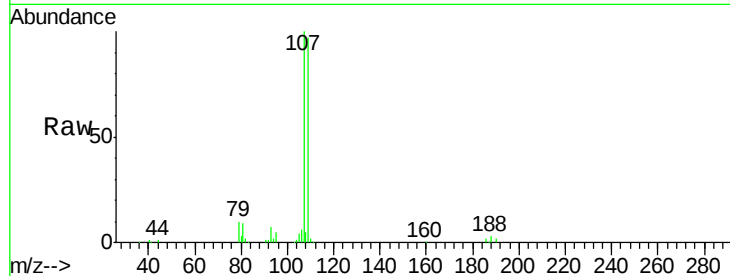
#61
 1,2-Dibromoethane
 Concen: 20.660 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBS01

Tot Ion: 107 Resp: 33391
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.4 113.0

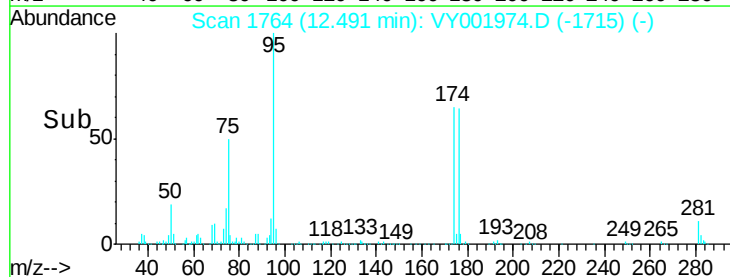
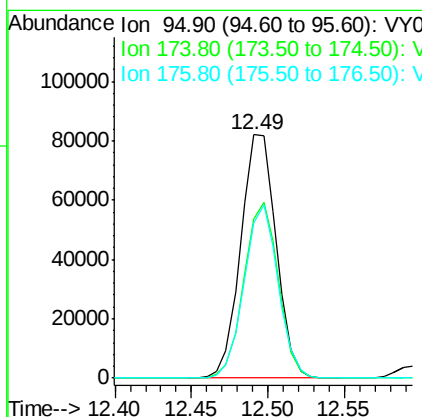
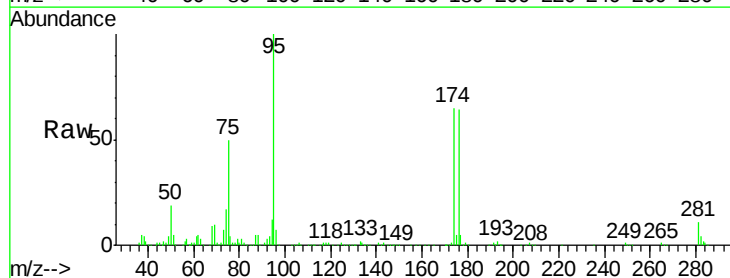
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#62
 4-Bromofluorobenzene
 Concen: 52.283 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion: 95 Resp: 132083
 Ion Ratio Lower Upper
 95 100
 174 70.1 0.0 145.0
 176 68.4 0.0 137.4





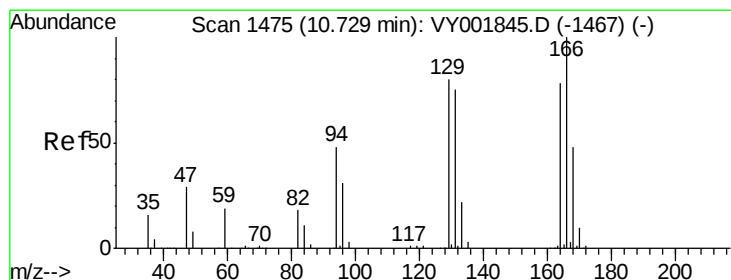
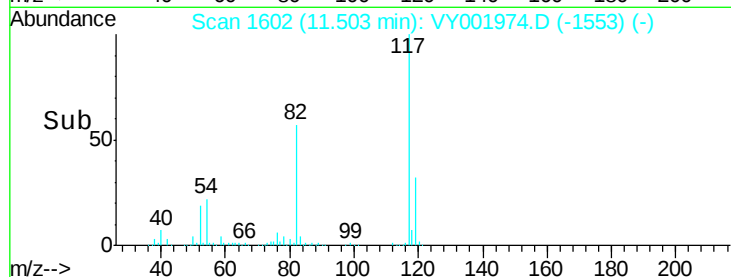
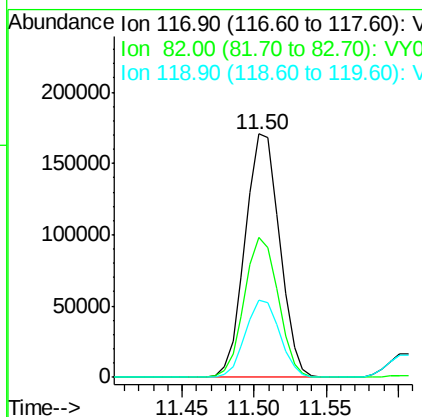
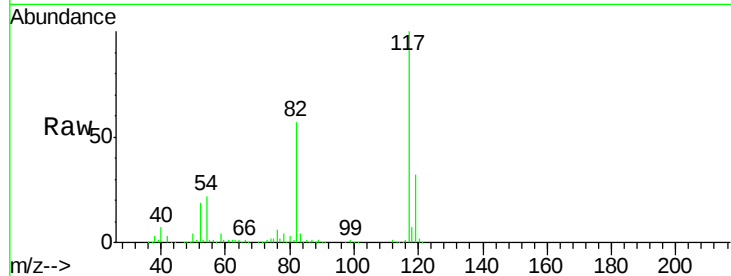
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	282933		
82	57.3		44.5	66.7
119	31.7		25.7	38.5

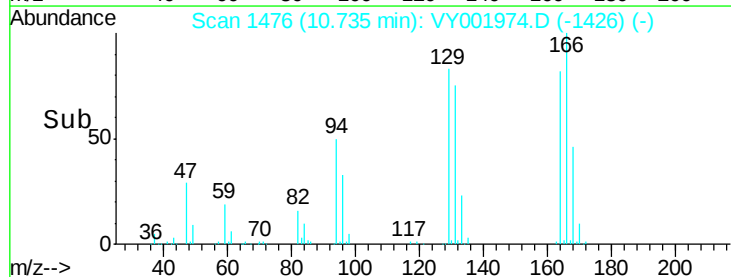
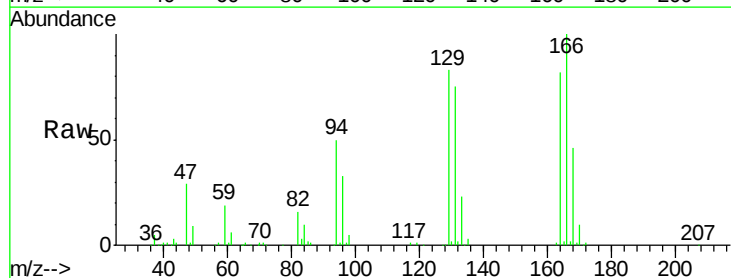
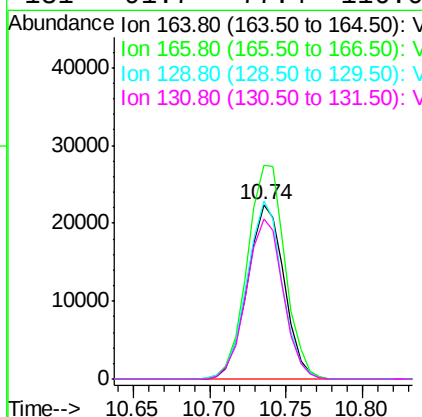
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#64
Tetrachloroethene
Concen: 21.109 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	37454		
166	122.5		102.6	154.0
129	102.0		82.3	123.5
131	91.7		77.4	116.0





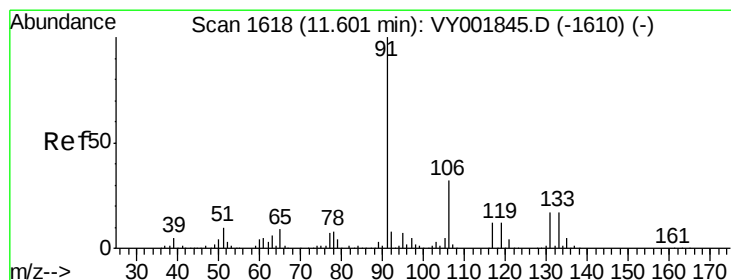
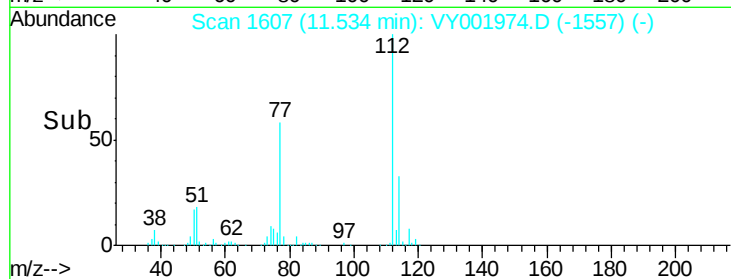
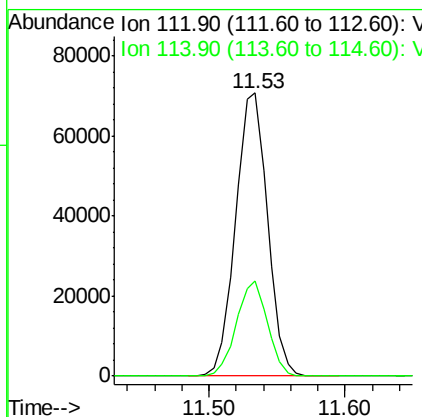
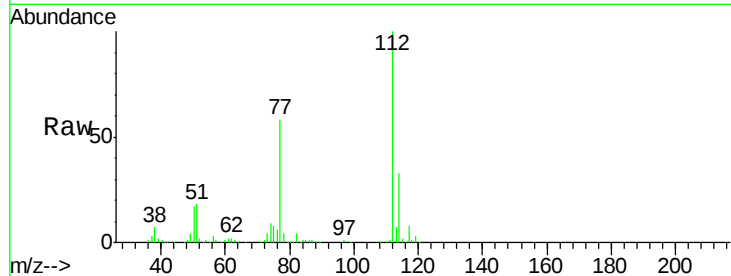
#65
Chlorobenzene
Concen: 20.525 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.9	38.9

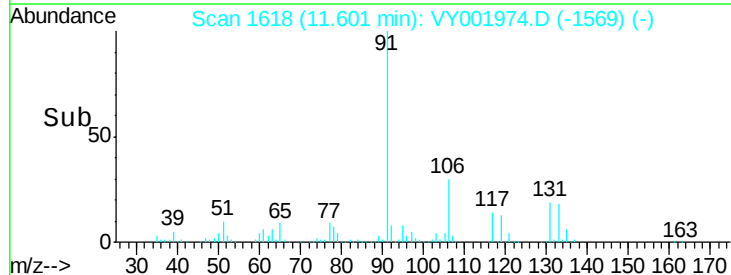
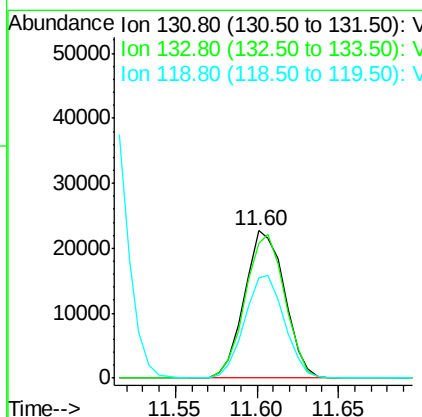
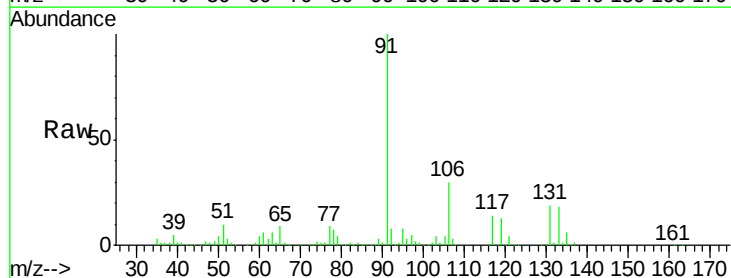
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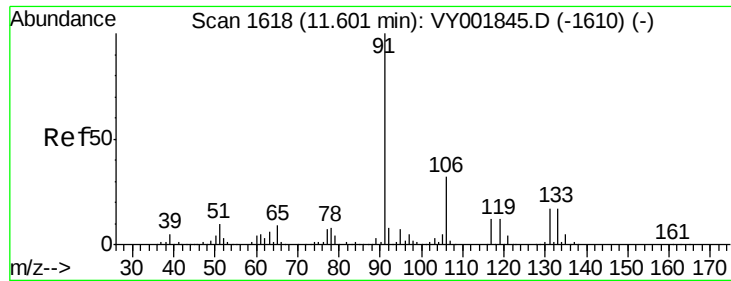
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.125 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.1	141.3
119	68.9	34.5	103.6





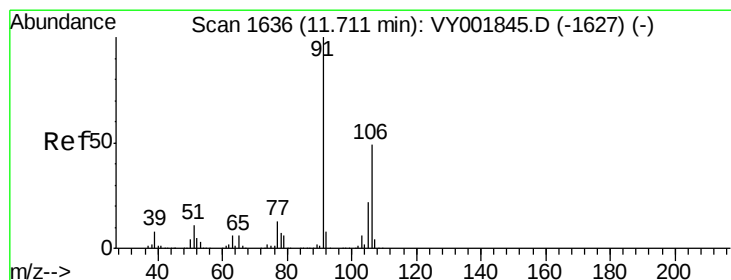
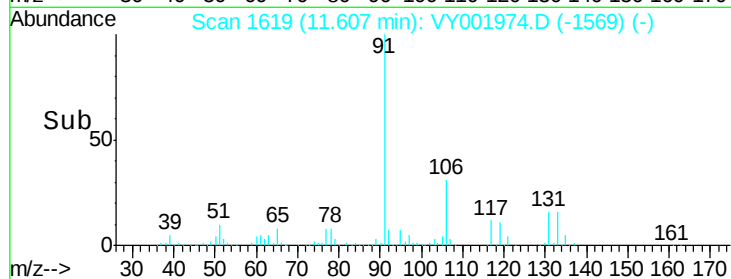
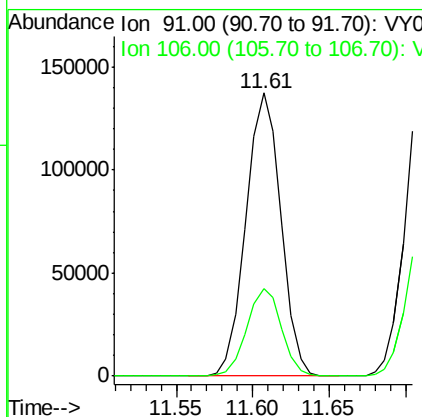
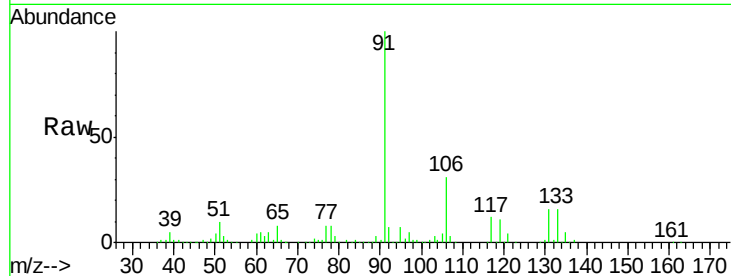
#67
Ethyl Benzene
Concen: 20.753 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		218200		
106	30.9	25.4	38.2		

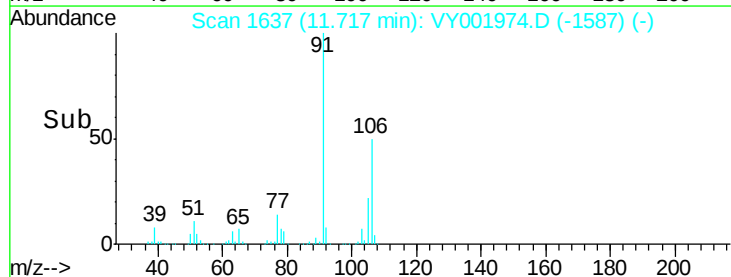
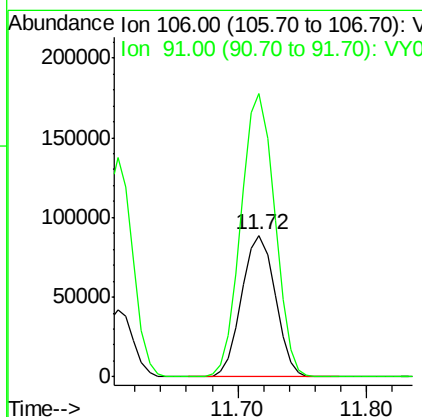
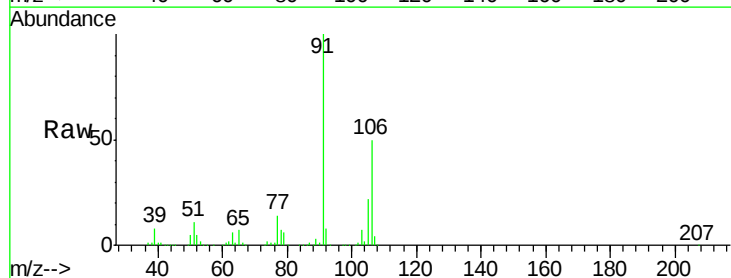
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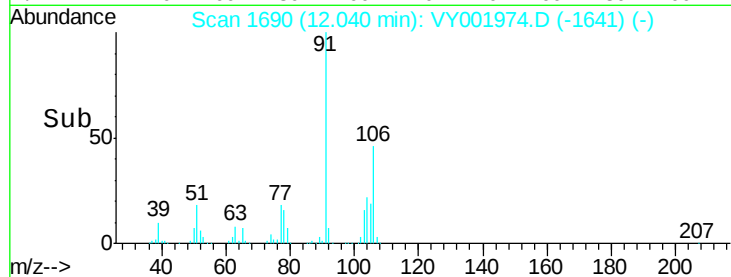
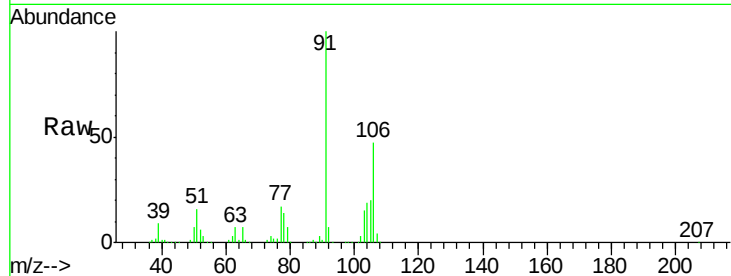
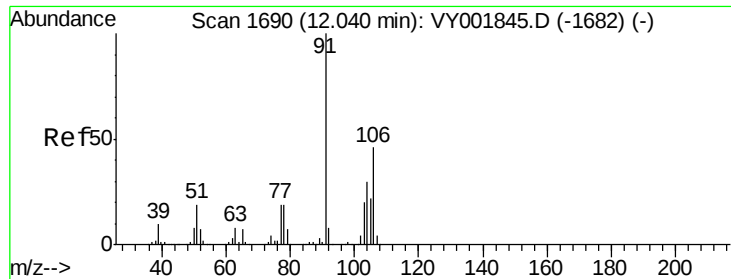
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#68
m/p-Xylenes
Concen: 41.247 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		160333		
91	201.4	161.3	241.9		





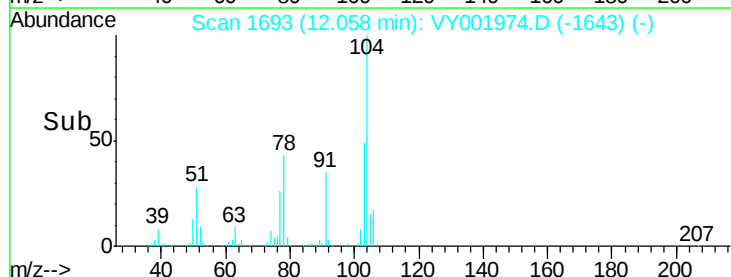
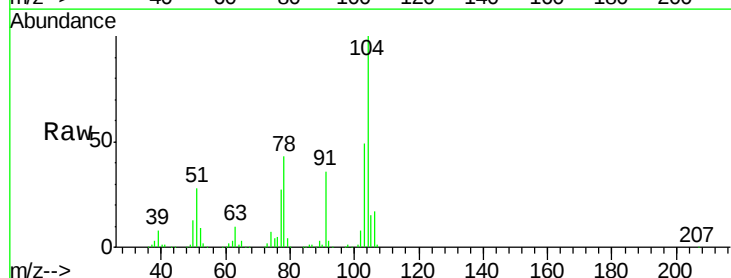
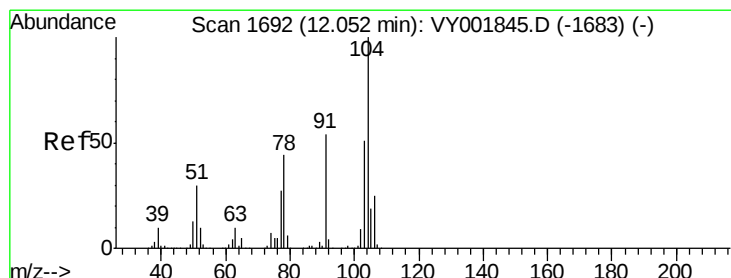
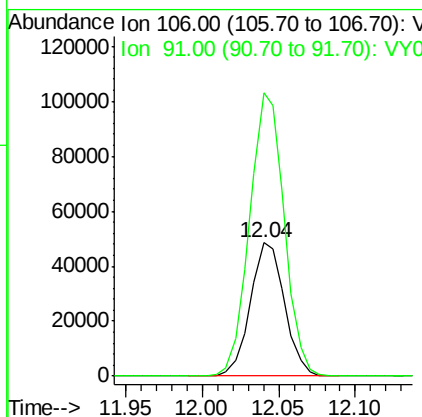
#69
o-Xylene
Concen: 20.512 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tot Ion:106 Resp: 75150
Ion Ratio Lower Upper
106 100
91 215.5 106.8 320.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

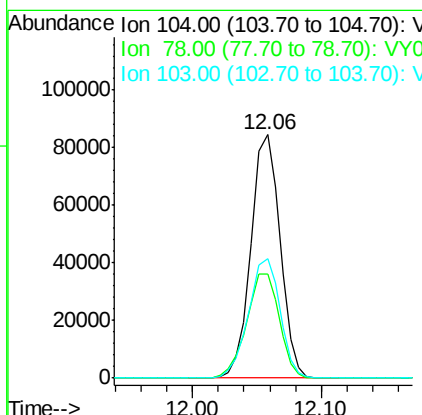
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#70
Styrene
Concen: 21.026 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion:104 Resp: 131940
Ion Ratio Lower Upper
104 100
78 48.1 38.5 57.7
103 53.4 42.9 64.3





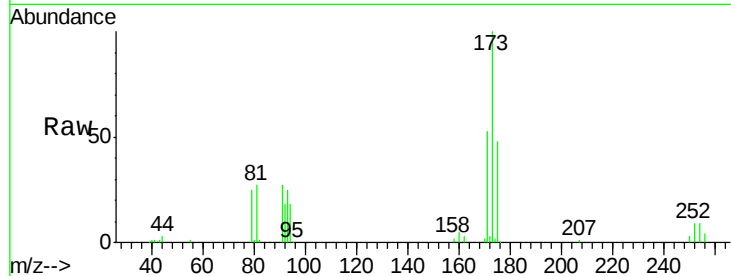
#71
Bromoform
Concen: 21.041 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

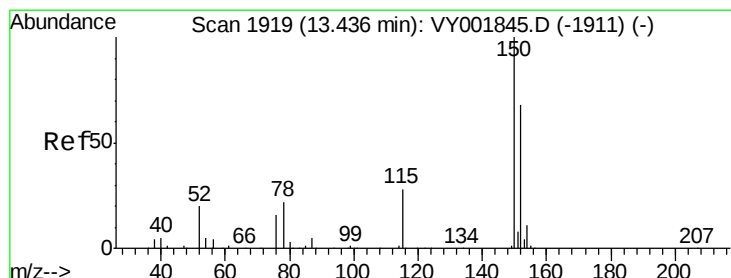
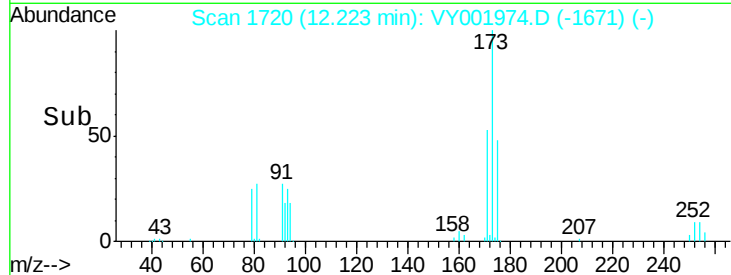
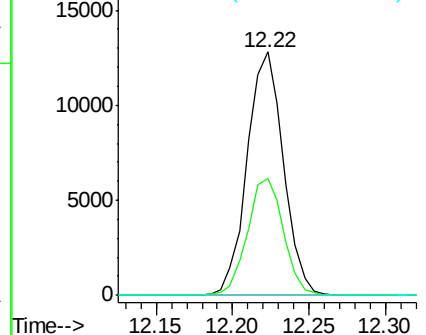
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.3	72.8
254	0.0	0.0	0.0

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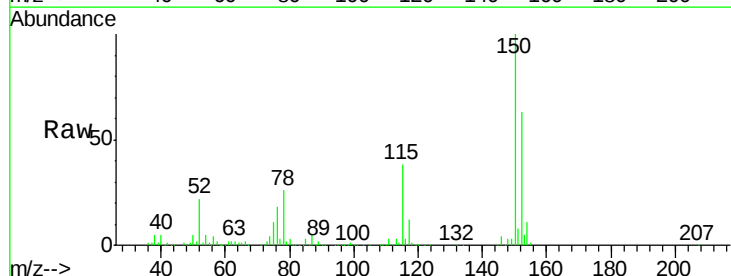


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

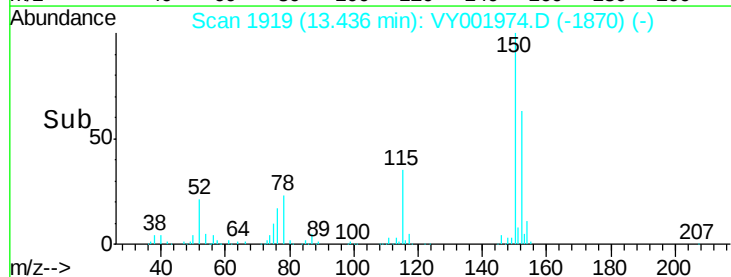
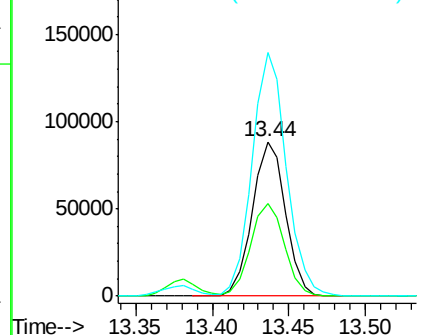


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.1	29.9	89.7
150	162.8	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: 20.166 ug/l

RT: 12.34 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 105 Resp: 205116

Ion Ratio Lower Upper

105 100

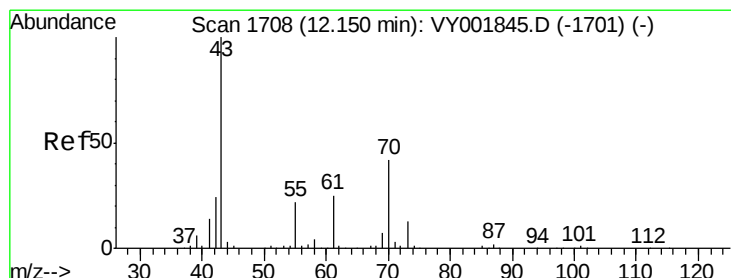
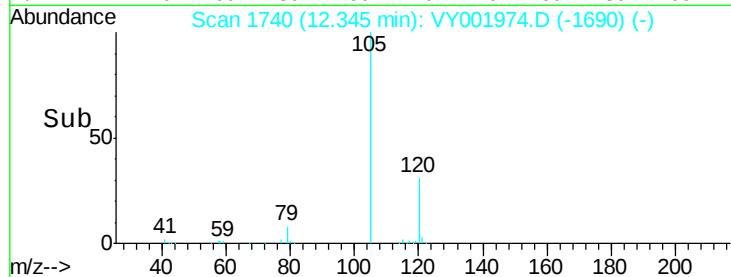
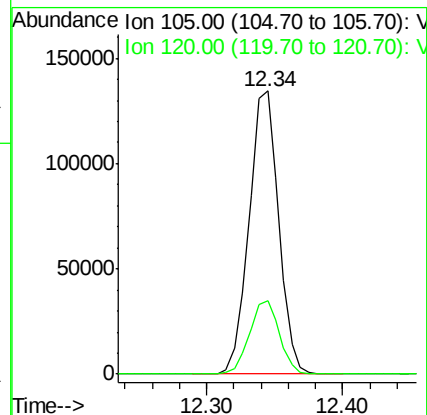
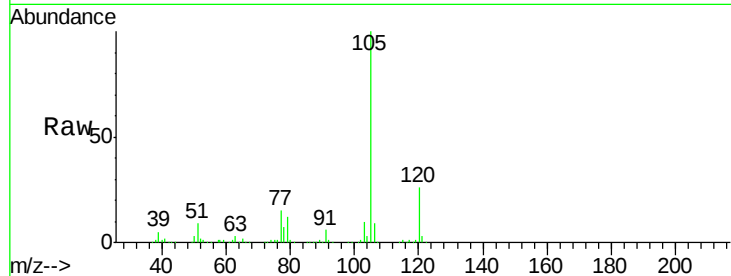
120 26.4 13.1 39.3

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#74

N-ethyl acetate

Concen: 19.544 ug/l

RT: 12.16 min Scan# 1709

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion: 43 Resp: 61097

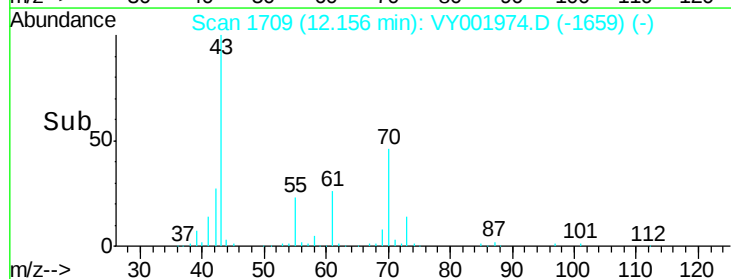
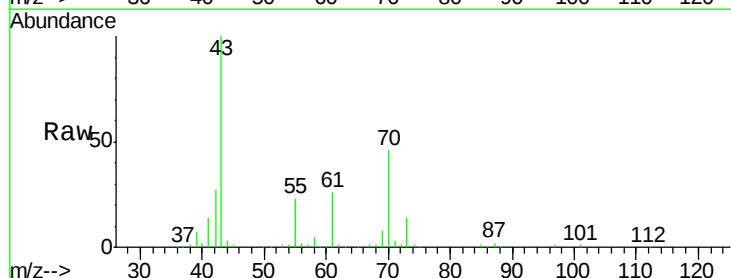
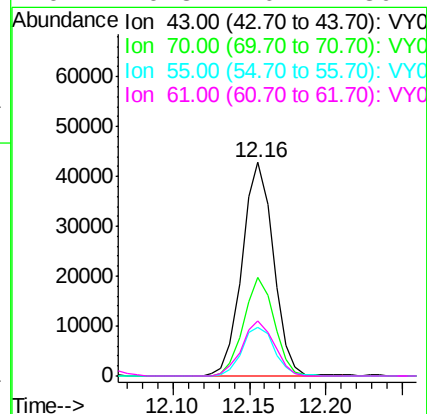
Ion Ratio Lower Upper

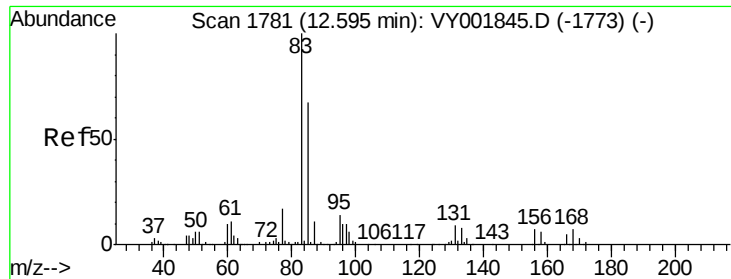
43 100

70 45.1 34.7 52.1

55 23.9 18.2 27.4

61 26.3 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.469 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

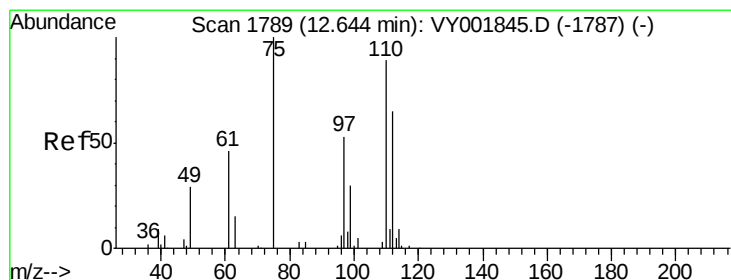
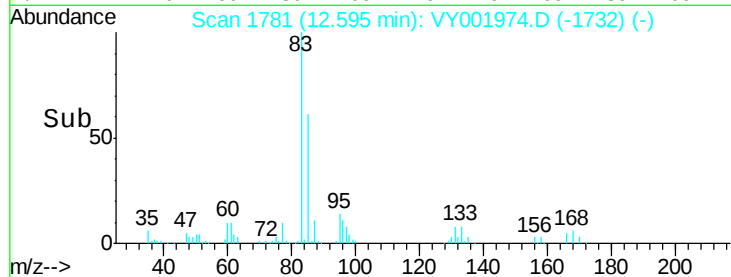
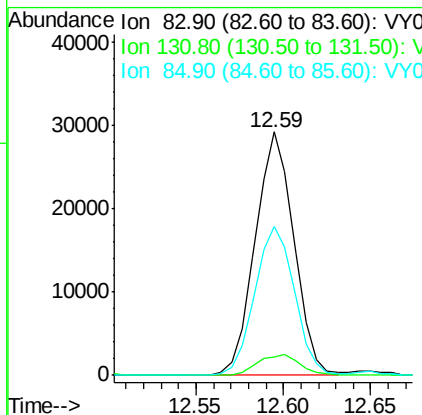
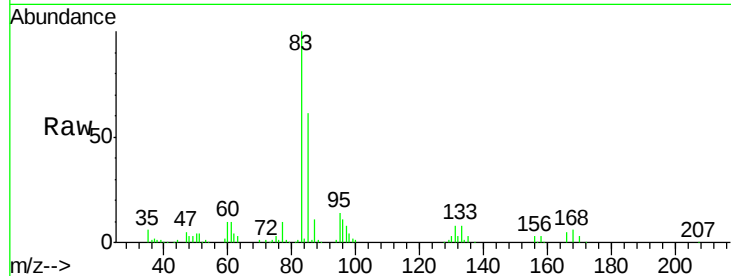
ClientSampleId :

VY0316SBS01

Tot Ion:	83	Resp:	44898
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	62.6	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 20.227 ug/l m

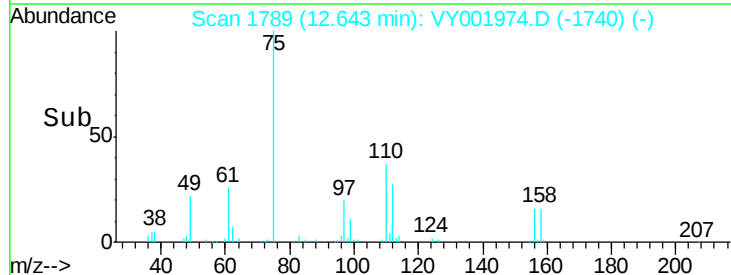
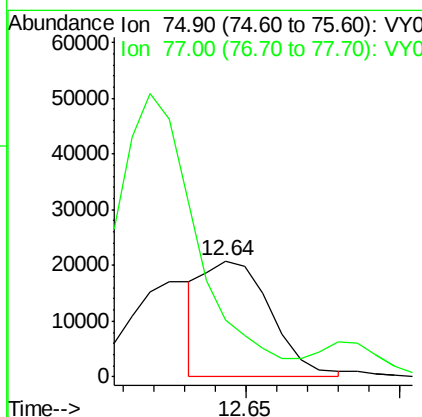
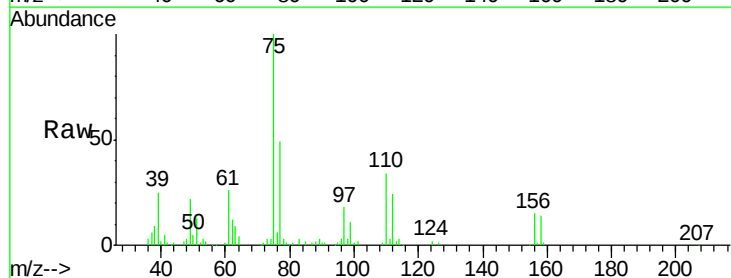
RT: 12.64 min Scan# 1789

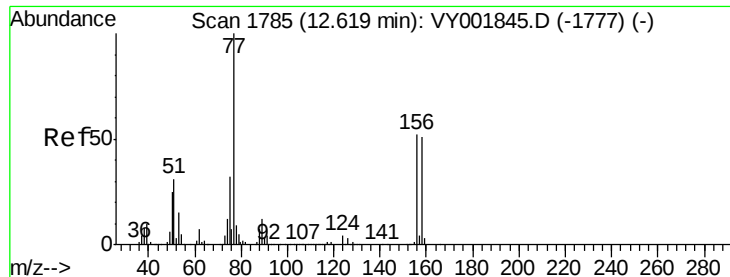
Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Tgt Ion:	75	Resp:	31980
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





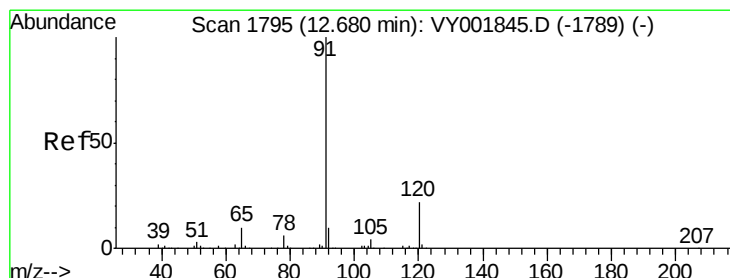
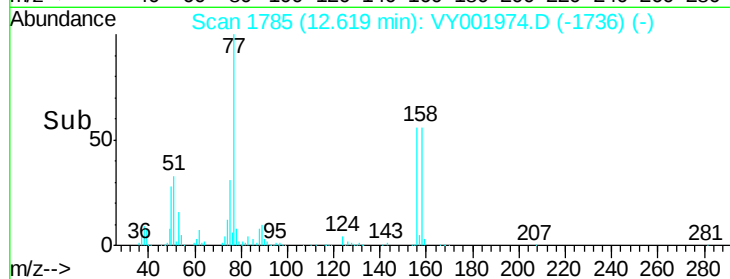
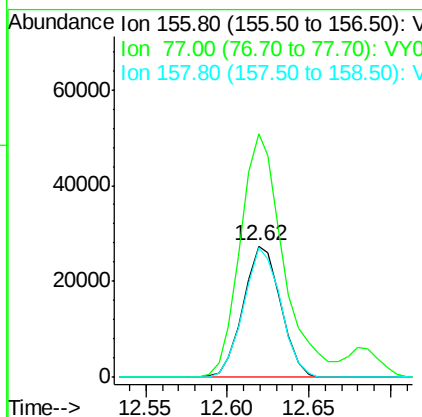
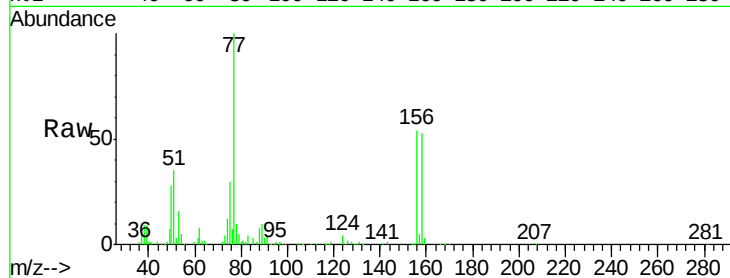
#77
Bromobenzene
Concen: 20.318 ug/l
RT: 12.62 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	212.0	109.0	327.0	
158	98.0	48.9	146.8	

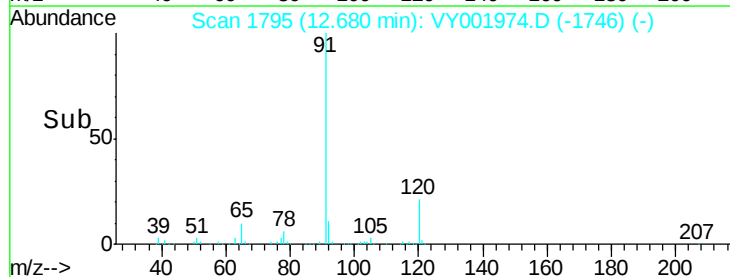
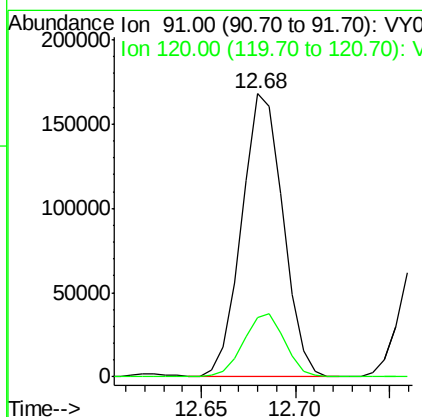
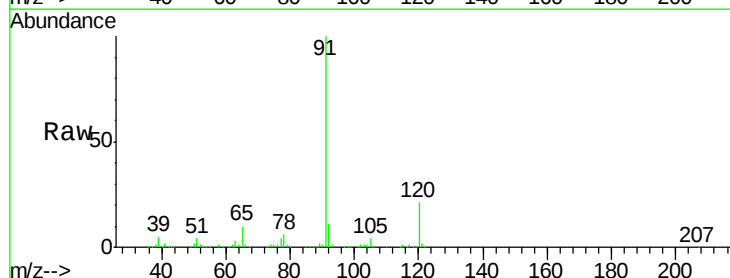
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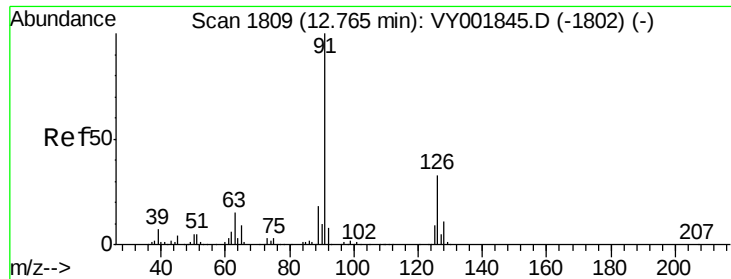
MMDadoda
3/17/2020 12:06:29 PM



#78
n-propylbenzene
Concen: 20.331 ug/l
RT: 12.68 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.2	11.0	33.0	





#79

2-Chlorotoluene

Concen: 20.537 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion: 91 Resp: 142380

Ion Ratio Lower Upper

91 100

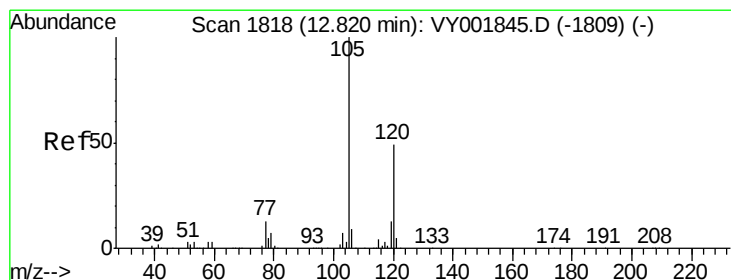
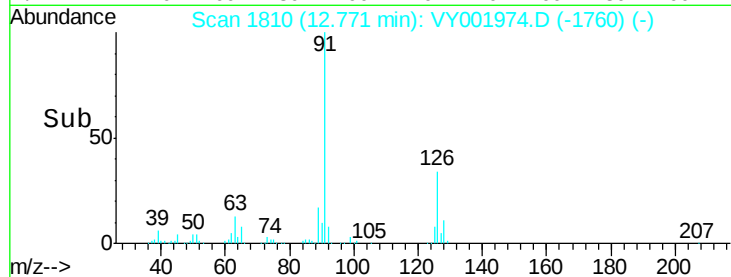
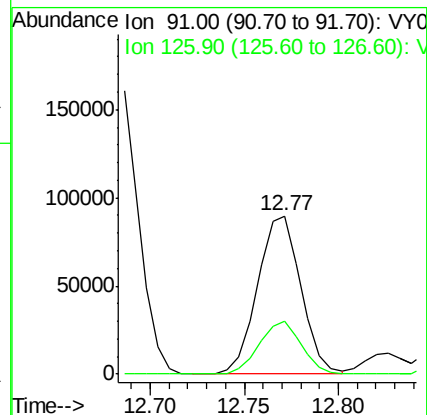
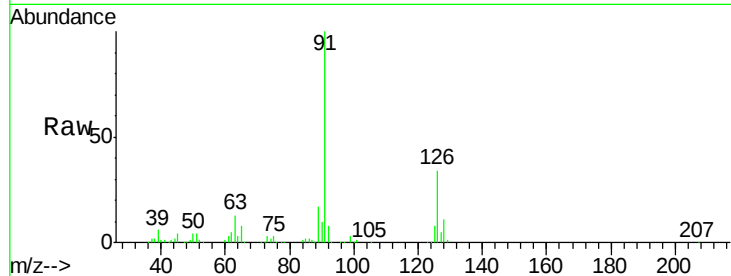
126 32.6 16.3 48.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.408 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001974.D

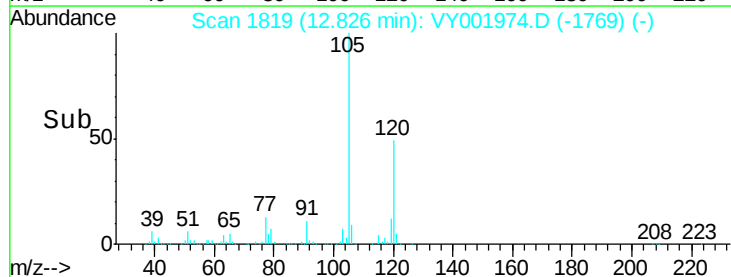
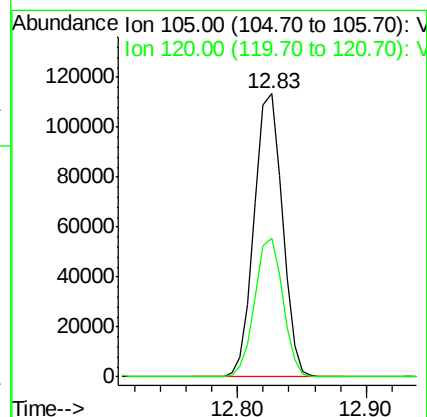
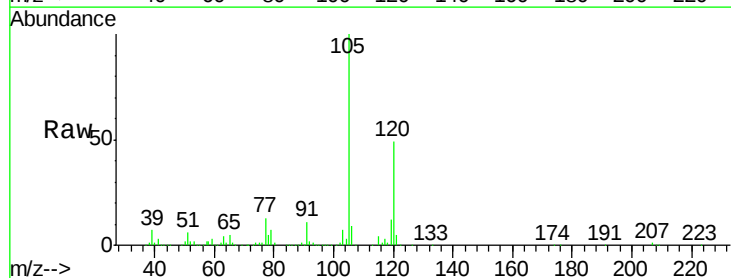
Acq: 16 Mar 2020 11:54

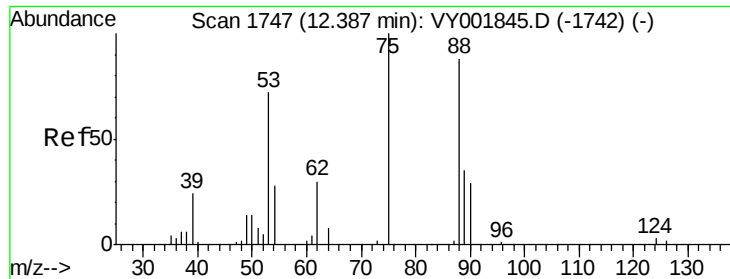
Tgt Ion: 105 Resp: 170888

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





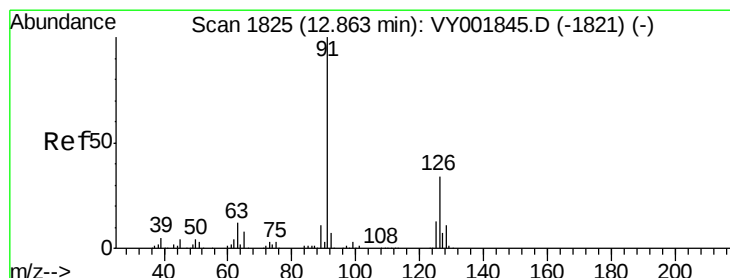
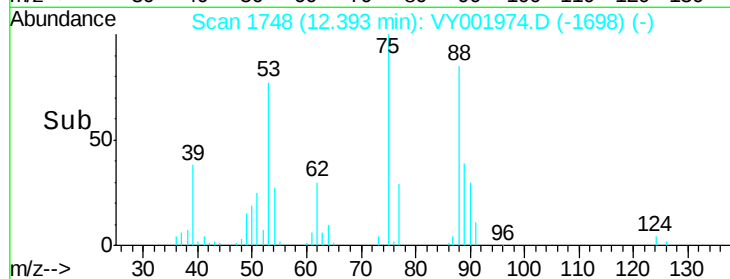
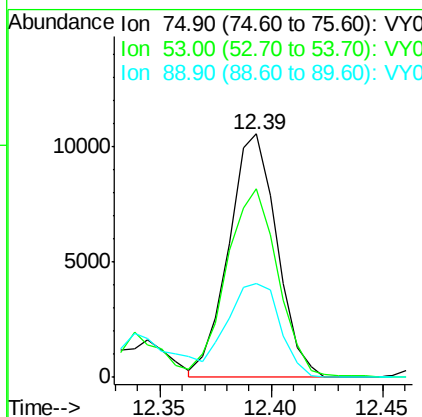
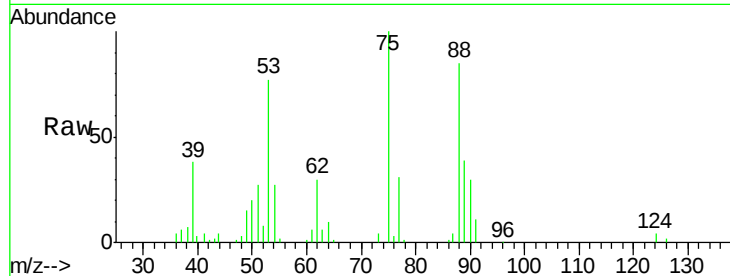
#81
trans-1,4-Dichloro-2-butene
Concen: 20.359 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	82.6	65.4	98.0
89	42.2	36.0	54.0

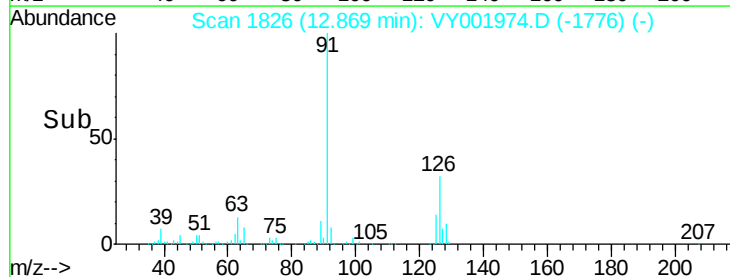
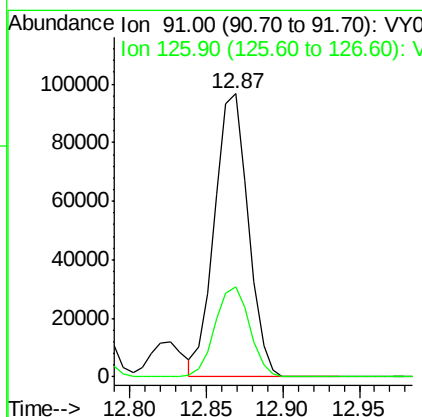
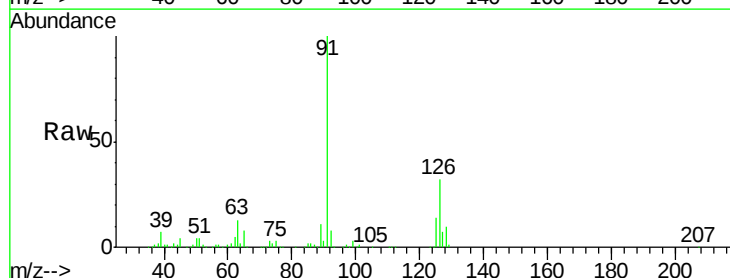
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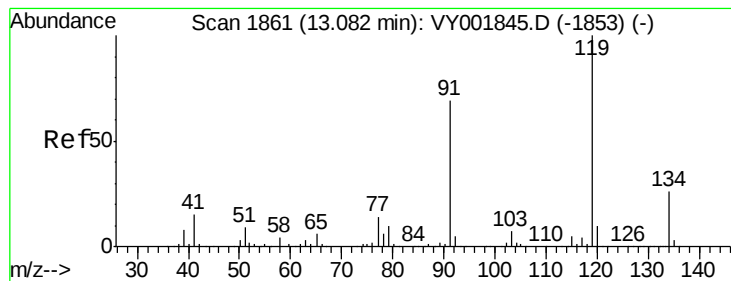
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#82
4-Chlorotoluene
Concen: 20.497 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.2





#83

tert-Butylbenzene

Concen: 20.917 ug/l

RT: 13.09 min Scan# 1862

Delta R.T. 0.01 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBSD01

Tot Ion:119 Resp: 145476

Ion Ratio Lower Upper

119 100

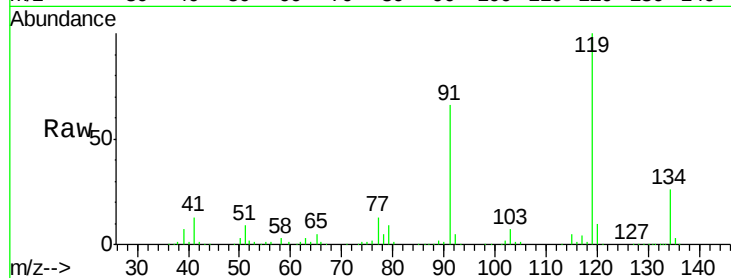
91 65.5 34.0 101.8

134 26.3 13.5 40.4

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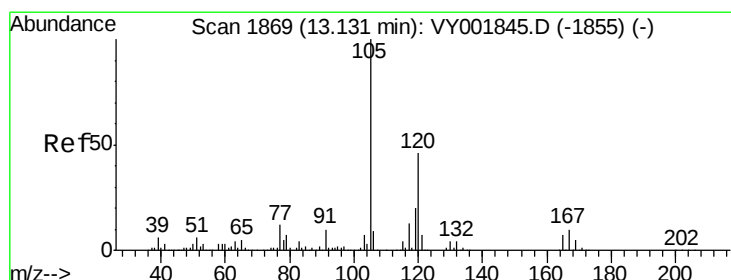
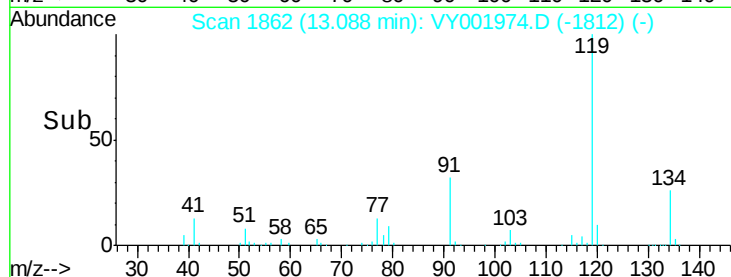
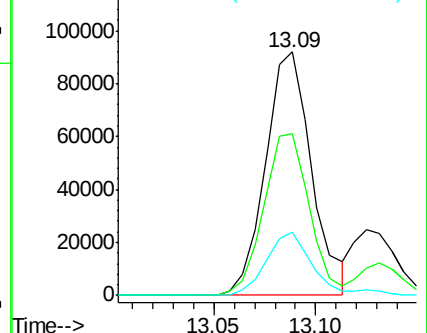
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.445 ug/l

RT: 13.13 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VY001974.D

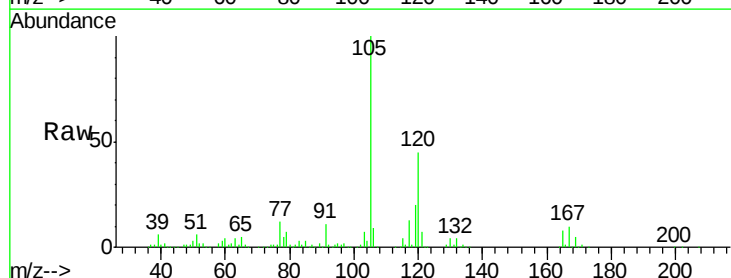
Acq: 16 Mar 2020 11:54

Tgt Ion:105 Resp: 169898

Ion Ratio Lower Upper

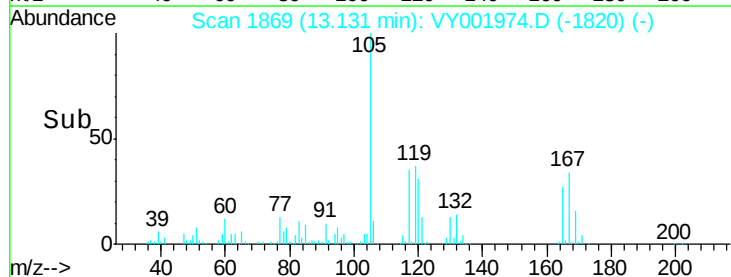
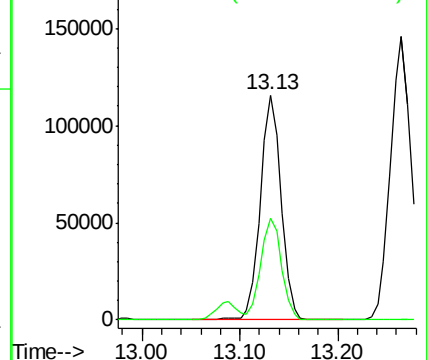
105 100

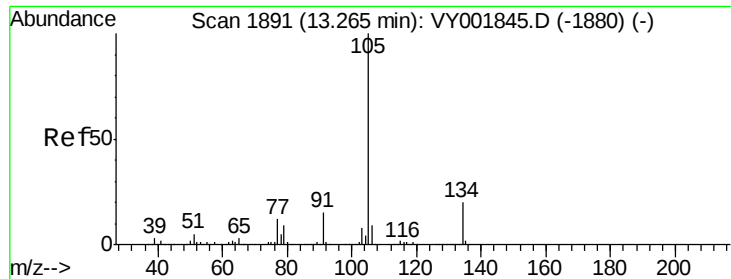
120 45.1 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.799 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

Instrument :

MSVOA_Y

ClientSampleId :

VY0316SBS01

Tot Ion:105 Resp: 213216

Ion Ratio Lower Upper

105 100

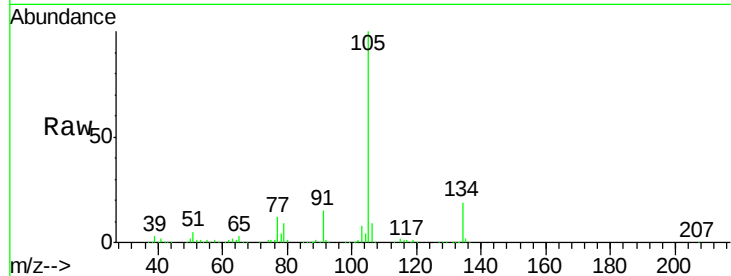
134 19.8 9.7 29.1

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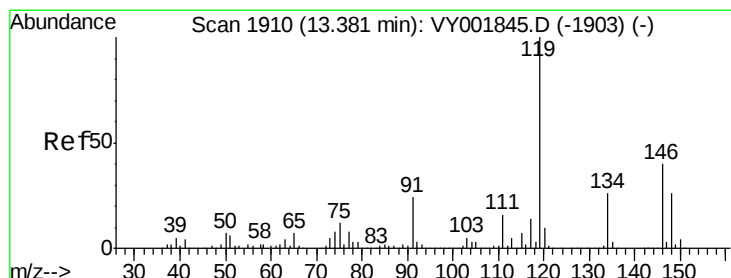
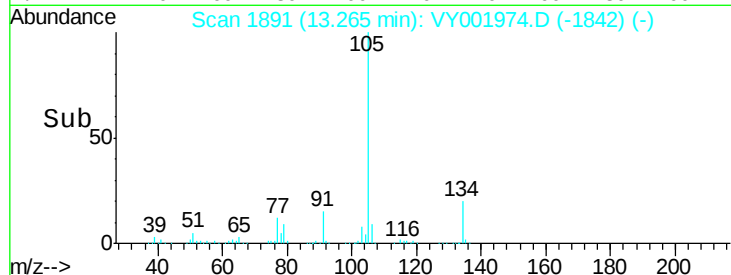
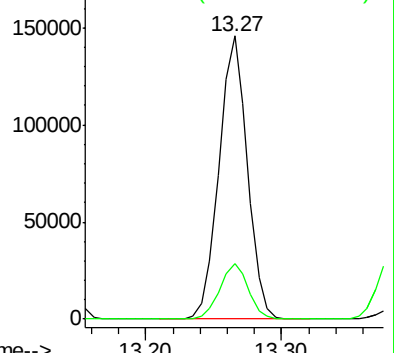
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.963 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. -0.00 min

Lab File: VY001974.D

Acq: 16 Mar 2020 11:54

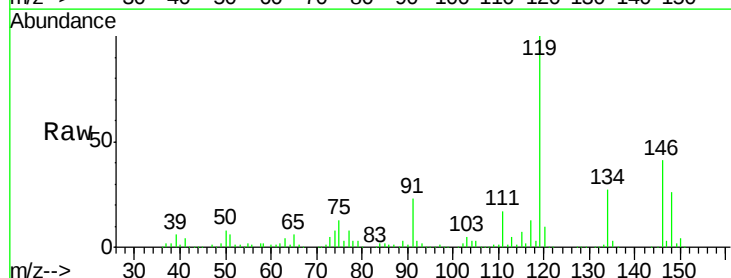
Tgt Ion:119 Resp: 185378

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

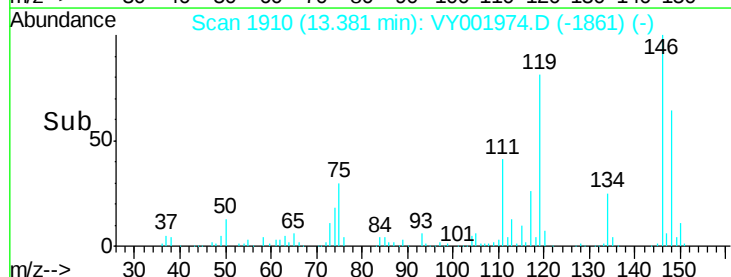
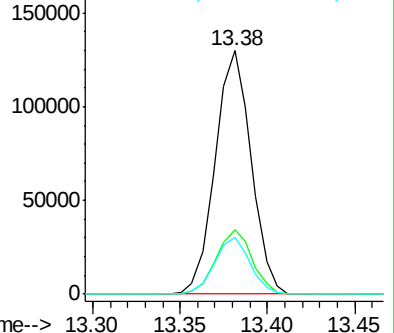
91 23.2 11.9 35.7

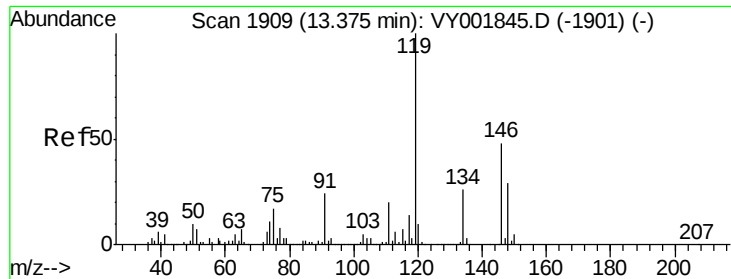


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





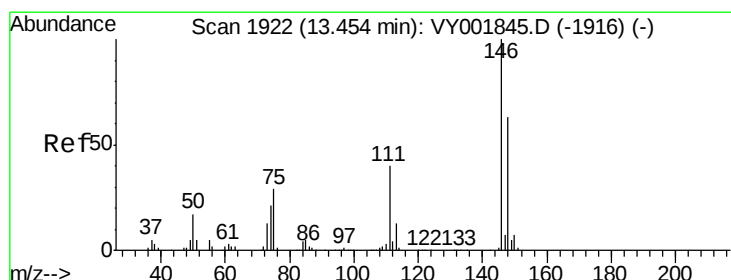
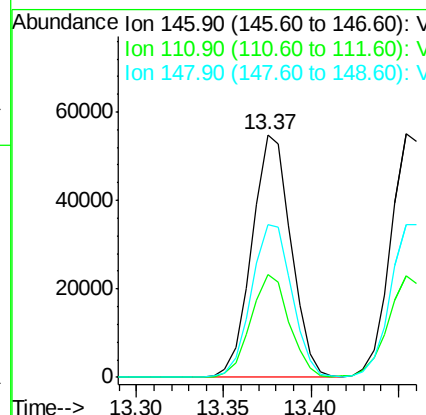
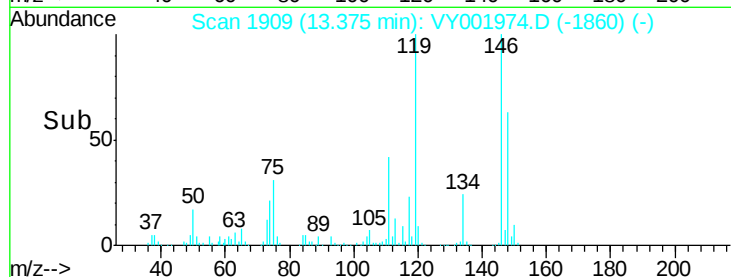
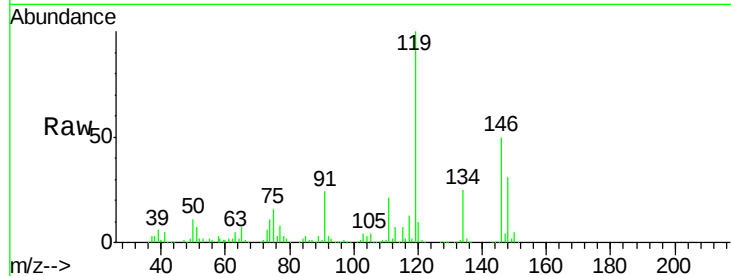
#87
 1,3-Dichlorobenzene
 Concen: 20.240 ug/l
 RT: 13.37 min Scan# 1909
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.8	62.5
148	64.9	31.4	94.0

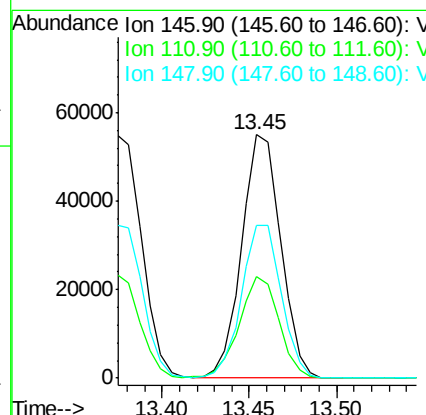
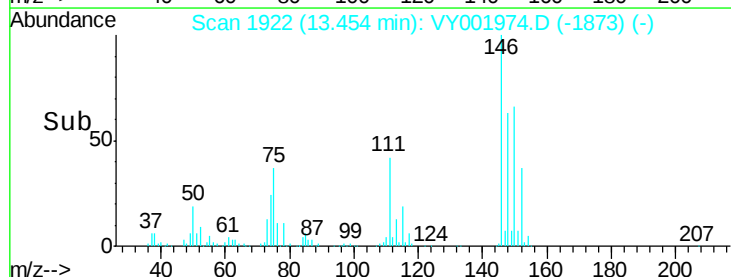
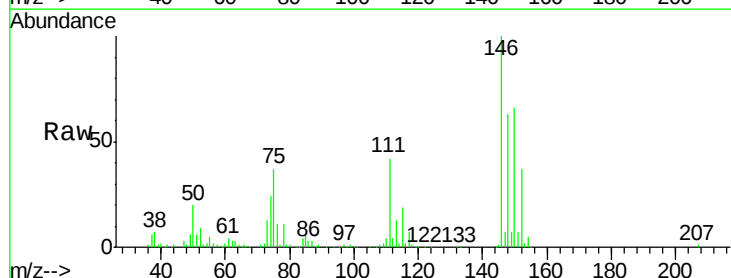
Manual Integrations
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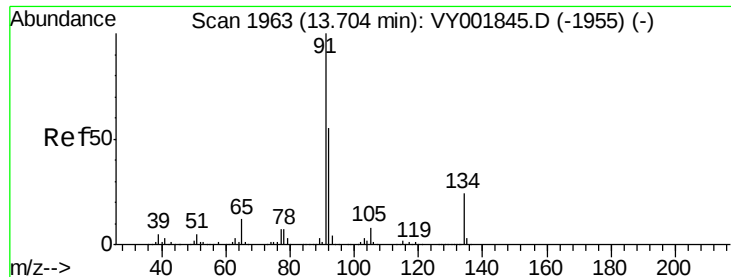
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#88
 1,4-Dichlorobenzene
 Concen: 20.027 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.0	60.0
148	64.0	31.5	94.5





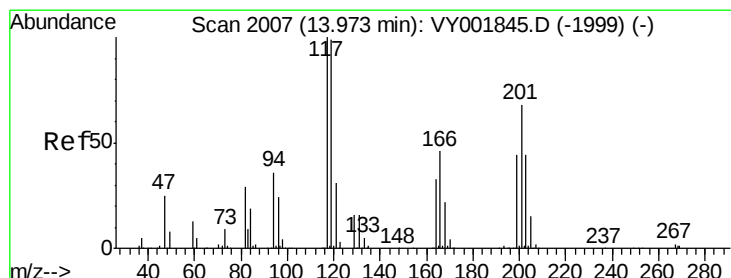
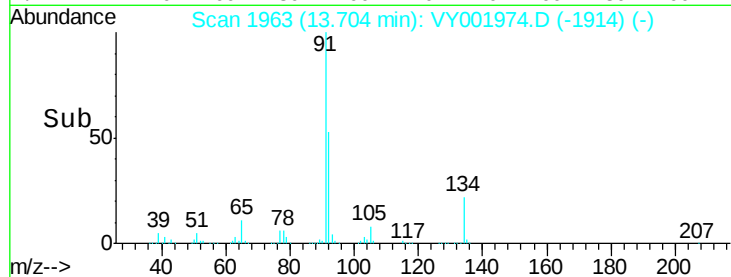
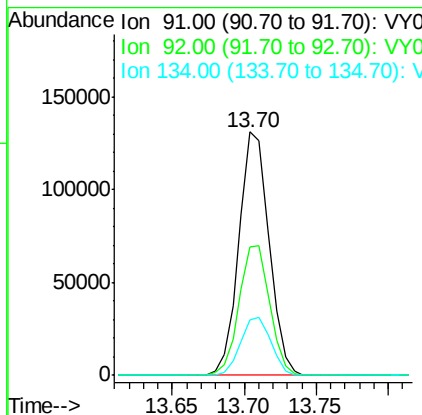
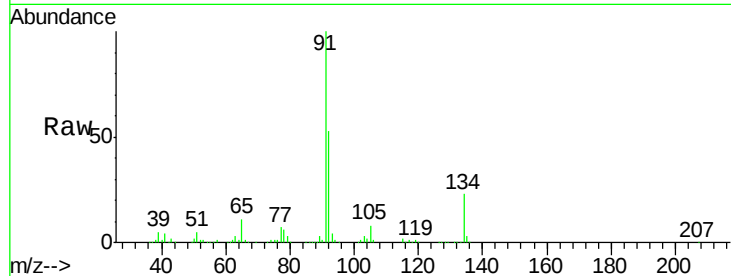
#89
n-Butylbenzene
Concen: 20.792 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	190765		
92	53.9		27.5	82.4
134	24.1		12.5	37.5

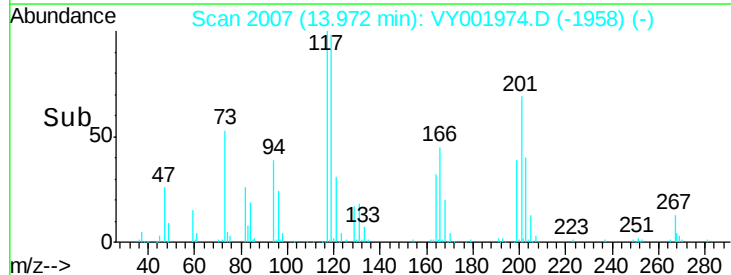
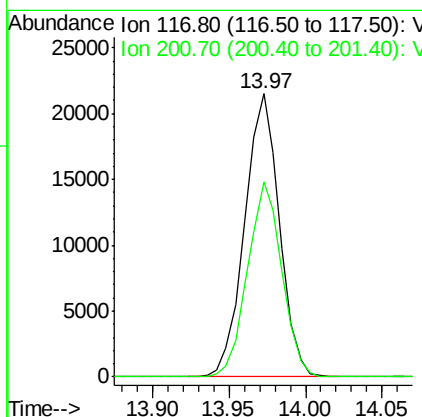
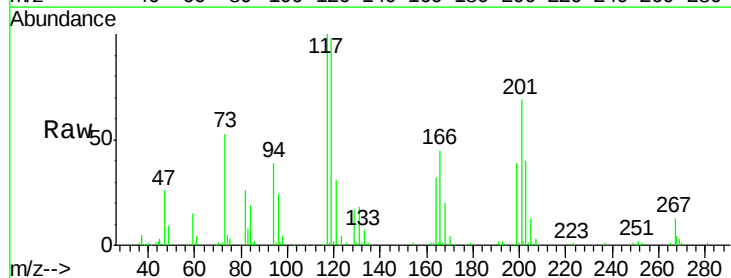
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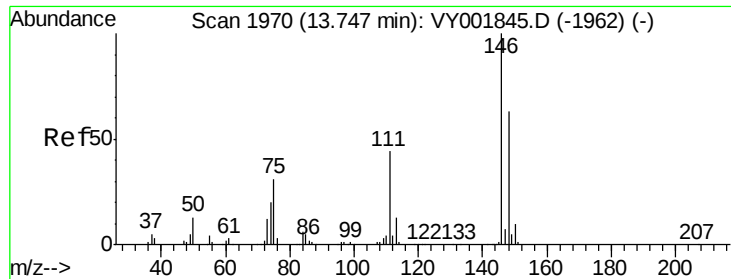
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#90
Hexachloroethane
Concen: 20.253 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33788		
201	68.1		32.5	97.5





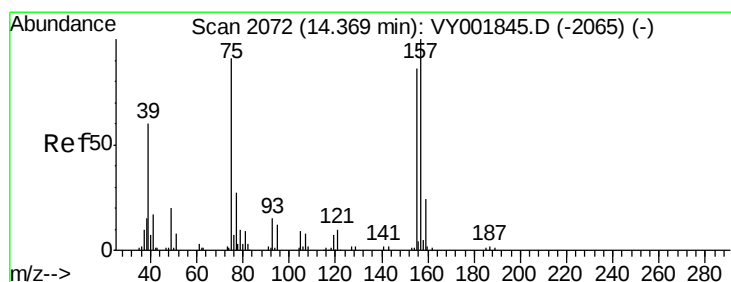
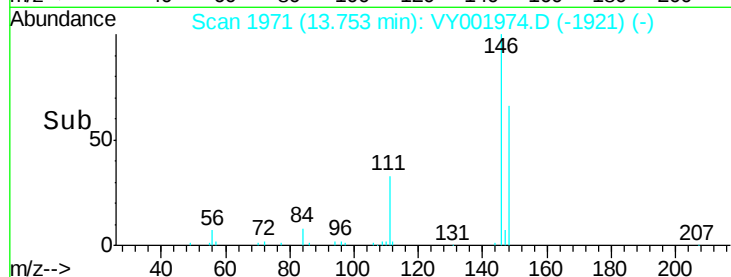
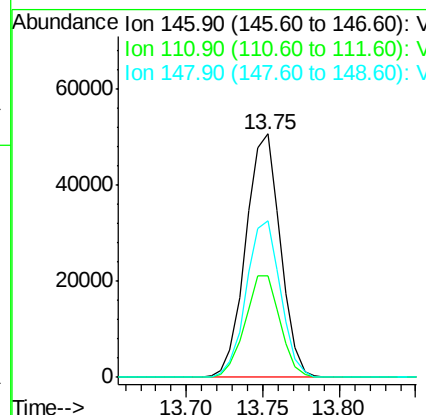
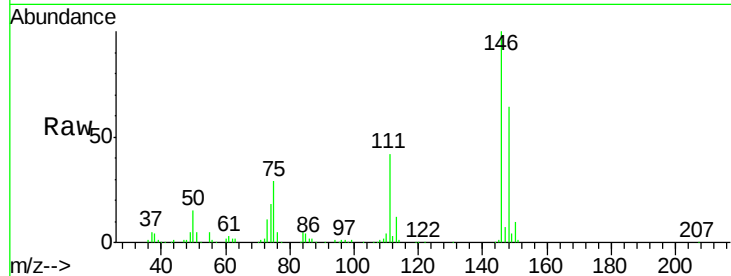
#91
 1,2-Dichlorobenzene
 Concen: 20.633 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0316SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.5	64.5
148	63.9	32.0	96.0

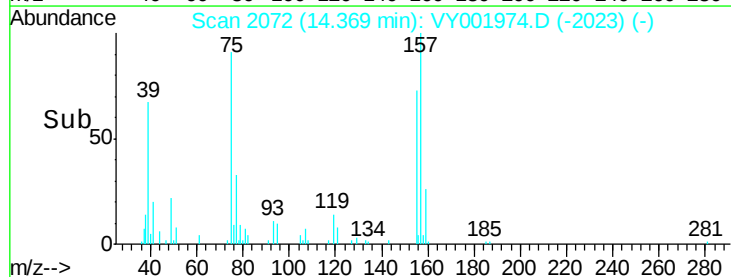
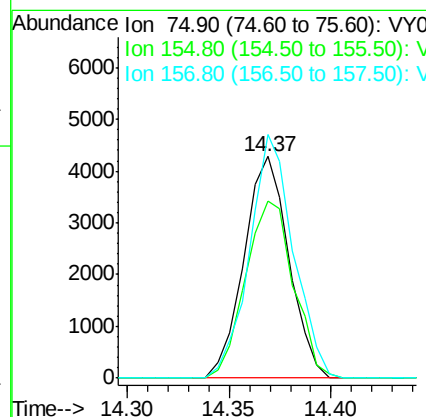
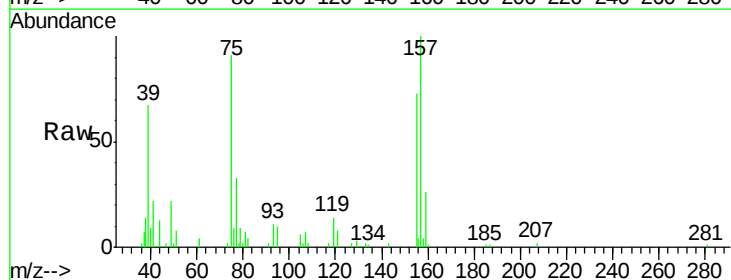
Manual Integrations
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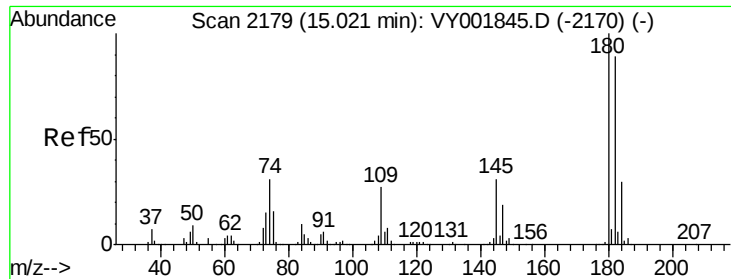
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.075 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. -0.00 min
 Lab File: VY001974.D
 Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.5	42.9	128.7
157	107.7	53.1	159.4





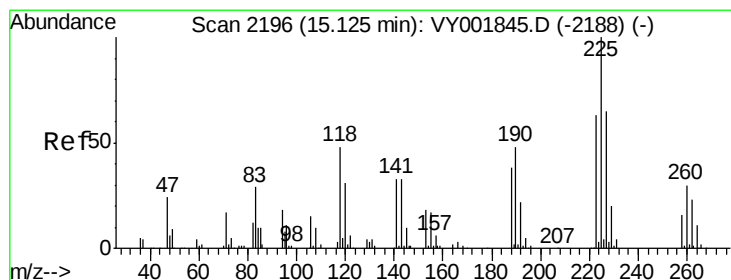
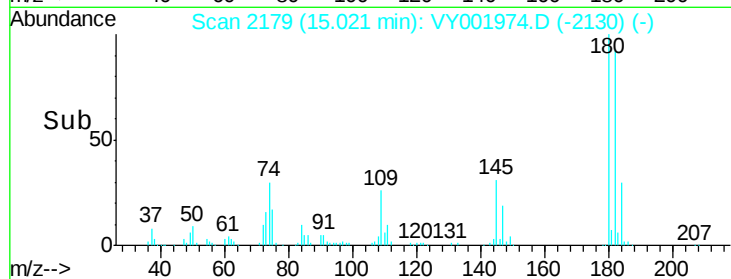
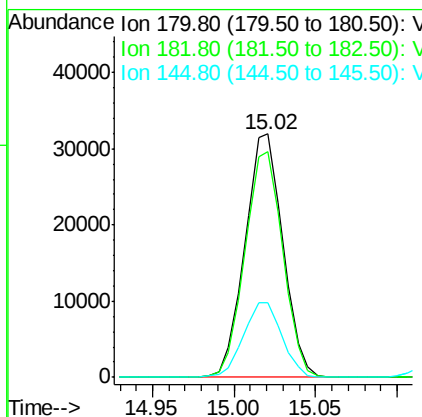
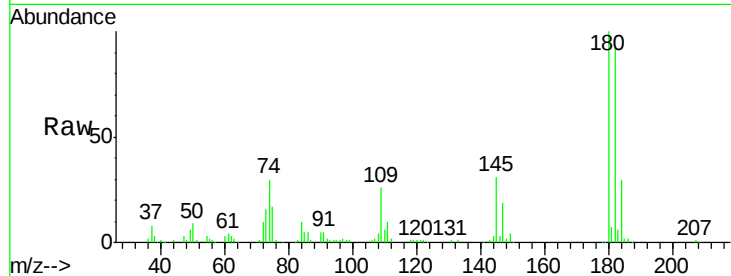
#93
1,2,4-Trichlorobenzene
Concen: 20.808 ug/l
RT: 15.02 min Scan# 2179
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.7	46.1	138.3
145	31.2	15.6	46.8

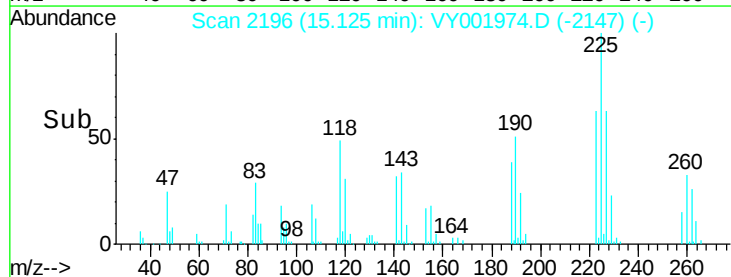
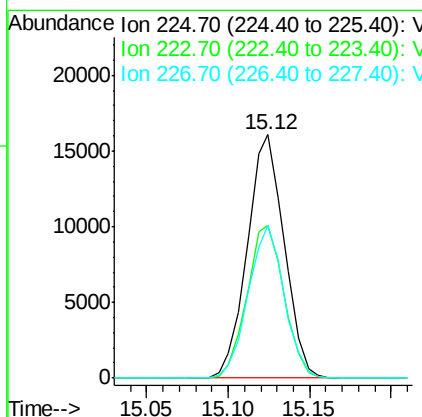
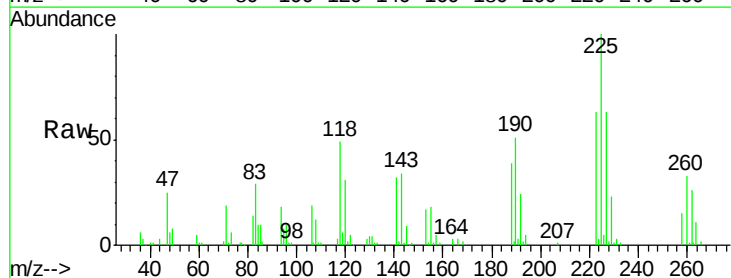
Manual Integrations
APPROVED

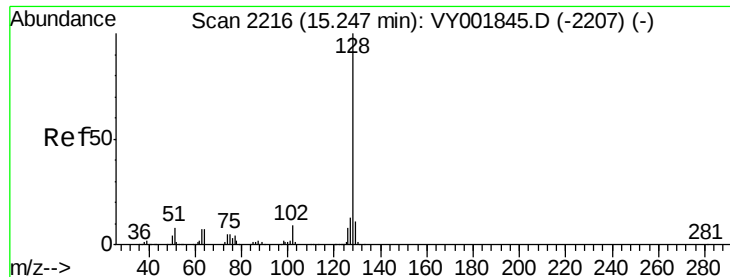
MMDadoda
3/17/2020 12:06:29 PM



#94
Hexachlorobutadiene
Concen: 20.832 ug/l
RT: 15.12 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.5	94.5
227	60.9	31.9	95.5





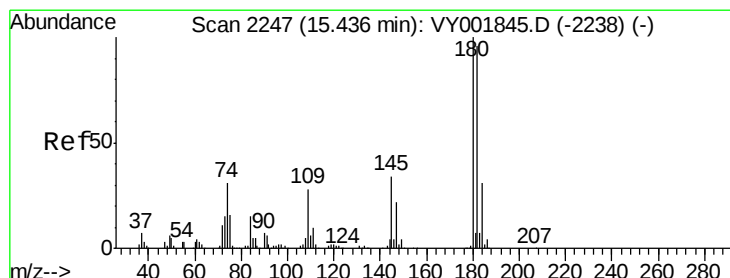
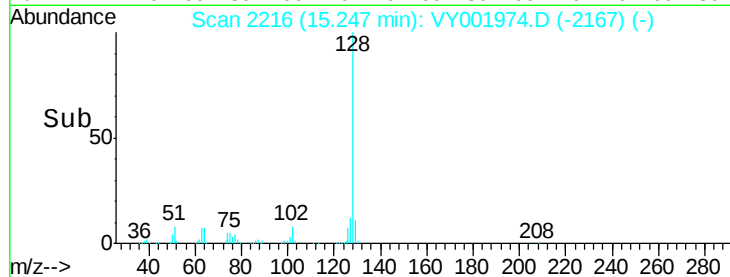
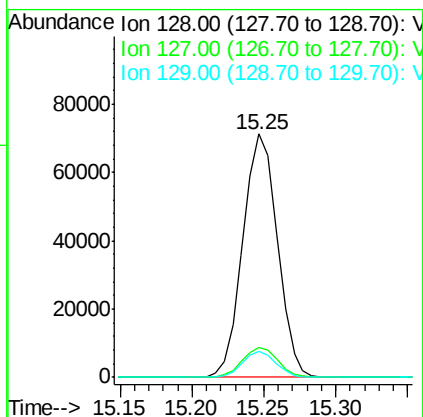
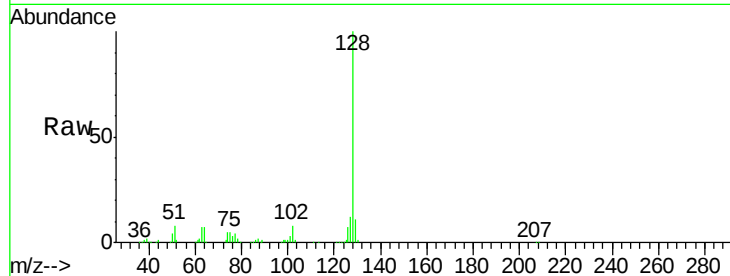
#95
Naphthalene
Concen: 20.068 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Instrument :
MSVOA_Y
ClientSampleId :
VY0316SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.5	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/17/2020 12:06:29 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.762 ug/l
RT: 15.44 min Scan# 2247
Delta R.T. -0.00 min
Lab File: VY001974.D
Acq: 16 Mar 2020 11:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.6	142.9
145	33.4	16.8	50.3

