

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001554.D
 Acq On : 07 Feb 2020 15:15
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:19 AM

Quant Time: Feb 08 02:59:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 15:10:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	202739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	351178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	313715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	147641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	107653	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.74	113	98819	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.19	98	416091	54.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.62%	
62) 4-Bromofluorobenzene	12.49	95	149548	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	35072	17.672	ug/l 95
3) Chloromethane	2.13	50	45751	22.057	ug/l 96
4) Vinyl Chloride	2.26	62	49597	23.028	ug/l 93
5) Bromomethane	2.65	94	31796	23.474	ug/l 95
6) Chloroethane	2.80	64	30586	23.560	ug/l 96
7) Trichlorofluoromethane	3.14	101	64583	18.116	ug/l 99
8) Diethyl Ether	3.55	74	24250	20.158	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40173	18.729	ug/l 100
10) Methyl Iodide	4.11	142	48045	17.579	ug/l 98
11) Tert butyl alcohol	4.99	59	30373	113.909	ug/l 96
12) 1,1-Dichloroethene	3.90	96	40156	18.839	ug/l 93
13) Acrolein	3.75	56	20498	106.050	ug/l 99
14) Allyl chloride	4.51	41	71398	21.896	ug/l 96
15) Acrylonitrile	5.19	53	65933	119.551	ug/l 100
16) Acetone	3.97	43	63056	106.790	ug/l 97
17) Carbon Disulfide	4.21	76	132314	19.499	ug/l 100
18) Methyl Acetate	4.51	43	32272	25.612	ug/l 94
19) Methyl tert-butyl Ether	5.25	73	113826	20.080	ug/l 97
20) Methylene Chloride	4.74	84	49493	18.422	ug/l 89
21) trans-1,2-Dichloroethene	5.24	96	45802	19.329	ug/l 97
22) Diisopropyl ether	6.14	45	145231	22.481	ug/l 97
23) Vinyl Acetate	6.09	43	479646	116.630	ug/l 96
24) 1,1-Dichloroethane	6.05	63	79290	20.405	ug/l 98
25) 2-Butanone	7.01	43	92494	120.744	ug/l 92
26) 2,2-Dichloropropane	7.01	77	70482	18.952	ug/l 98
27) cis-1,2-Dichloroethene	7.01	96	51144	19.761	ug/l 97
28) Bromochloromethane	7.36	49	29933	22.612	ug/l 90
29) Tetrahydrofuran	7.37	42	58955	128.403	ug/l 93
30) Chloroform	7.53	83	75528	19.189	ug/l 95
31) Cyclohexane	7.80	56	84742	21.320	ug/l 97
32) 1,1,1-Trichloroethane	7.72	97	66585	18.658	ug/l 97
36) 1,1-Dichloropropene	7.94	75	64748	20.154	ug/l 98
37) Ethyl Acetate	7.10	43	38603	24.822	ug/l 96
38) Carbon Tetrachloride	7.92	117	56223	18.089	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	85137	20.126	ug/l	98
40) Benzene	8.18	78	185833	20.280	ug/l	99
41) Methacrylonitrile	7.35	41	22270m	30.897	ug/l	
42) 1,2-Dichloroethane	8.25	62	50469	19.769	ug/l	98
43) Isopropyl Acetate	8.29	43	73619	23.908	ug/l	94
44) Trichloroethene	8.95	130	47827	19.363	ug/l	94
45) 1,2-Dichloropropane	9.23	63	47618	21.520	ug/l	99
46) Dibromomethane	9.32	93	24708	19.886	ug/l	99
47) Bromodichloromethane	9.51	83	57991	19.155	ug/l	98
48) Methyl methacrylate	9.30	41	32972	23.592	ug/l	94
49) 1,4-Dioxane	9.32	88	6760	411.964	ug/l #	93
51) 4-Methyl-2-Pentanone	10.08	43	193207	127.408	ug/l	96
52) Toluene	10.25	92	117013	20.125	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	65231	19.783	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	73978	19.542	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	36968	20.737	ug/l	97
56) Ethyl methacrylate	10.52	69	54135	21.350	ug/l	92
57) 1,3-Dichloropropane	10.80	76	63356	20.161	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	107442	115.185	ug/l	96
59) 2-Hexanone	10.84	43	138396	125.520	ug/l	96
60) Dibromochloromethane	10.99	129	39971	19.022	ug/l	98
61) 1,2-Dibromoethane	11.10	107	35600	20.275	ug/l	97
64) Tetrachloroethene	10.72	164	39345	19.124	ug/l	97
65) Chlorobenzene	11.52	112	119693	19.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	41237	19.128	ug/l	98
67) Ethyl Benzene	11.60	91	225779	19.824	ug/l	99
68) m/p-Xylenes	11.70	106	169622	39.672	ug/l	98
69) o-Xylene	12.03	106	80060	19.860	ug/l	98
70) Styrene	12.05	104	139150	19.960	ug/l	98
71) Bromoform	12.21	173	24229	20.183	ug/l #	98
73) Isopropylbenzene	12.33	105	216453	19.223	ug/l	100
74) N-amyl acetate	12.15	43	68954	23.566	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	45427	21.234	ug/l	96
76) 1,2,3-Trichloropropane	12.64	75	31380m	19.764	ug/l	
77) Bromobenzene	12.61	156	47286	19.404	ug/l	95
78) n-propylbenzene	12.67	91	263353	19.536	ug/l	100
79) 2-Chlorotoluene	12.76	91	146867	19.113	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	180872	19.073	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	16566	20.189	ug/l	94
82) 4-Chlorotoluene	12.86	91	154630	19.193	ug/l	100
83) tert-Butylbenzene	13.08	119	154873	19.321	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	180617	19.244	ug/l	98
85) sec-Butylbenzene	13.26	105	221599	19.663	ug/l	100
86) p-Isopropyltoluene	13.38	119	196300	19.765	ug/l	98
87) 1,3-Dichlorobenzene	13.37	146	92732	19.857	ug/l	100
88) 1,4-Dichlorobenzene	13.45	146	93247	19.930	ug/l	99
89) n-Butylbenzene	13.70	91	197307	20.135	ug/l	98
90) Hexachloroethane	13.97	117	35408	18.575	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	85189	20.129	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7296	18.473	ug/l	88

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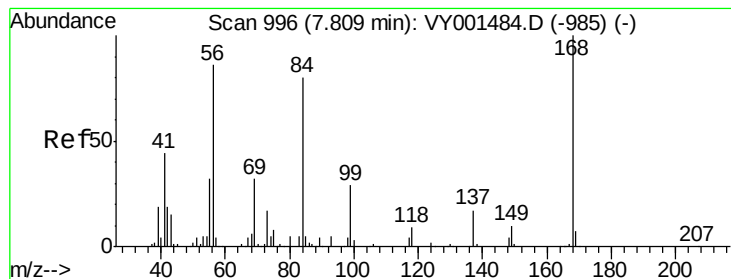
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	55422	19.433	ug/l	95
94) Hexachlorobutadiene	15.12	225	27213	18.800	ug/l	100
95) Naphthalene	15.25	128	129010	19.247	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	49761	19.766	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion:168 Resp: 202739

Ion Ratio Lower Upper

168 100

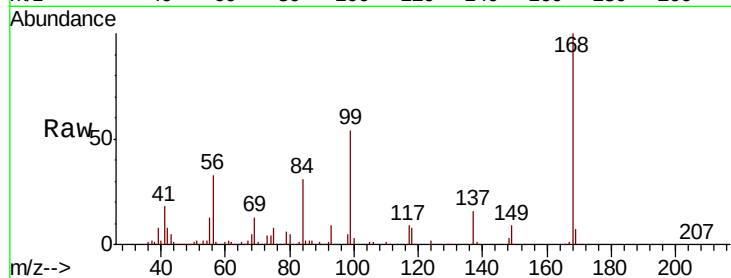
99 54.0 48.2 72.4

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Abundance Ion 167.90 (167.60 to 168.60): VY001484.D (-985) (-)

Ion 98.90 (98.60 to 99.60): VY001484.D (-985) (-)

7.81

100000

80000

60000

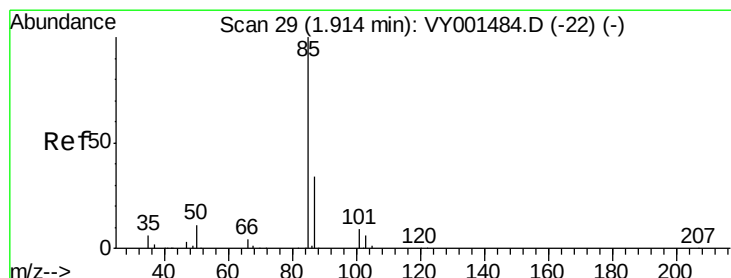
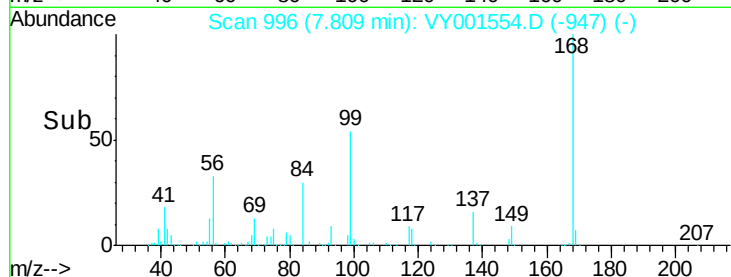
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.672 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001554.D

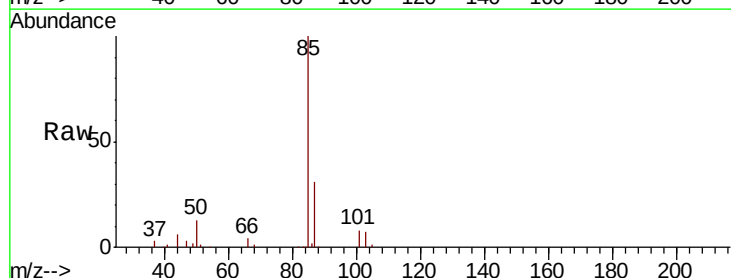
Acq: 07 Feb 2020 15:15

Tgt Ion: 85 Resp: 35072

Ion Ratio Lower Upper

85 100

87 31.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001484.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001484.D (-22) (-)

1.91

25000

20000

15000

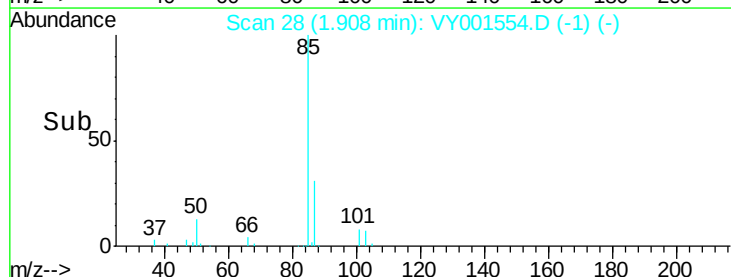
10000

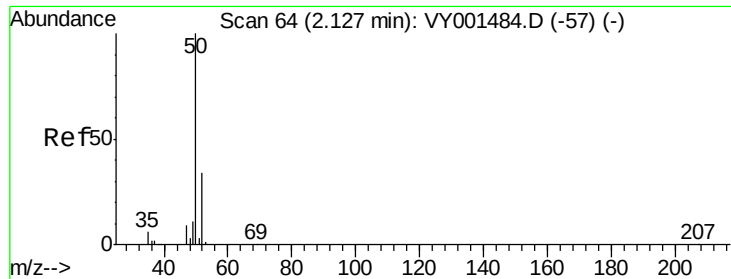
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 22.057 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 50 Resp: 45751

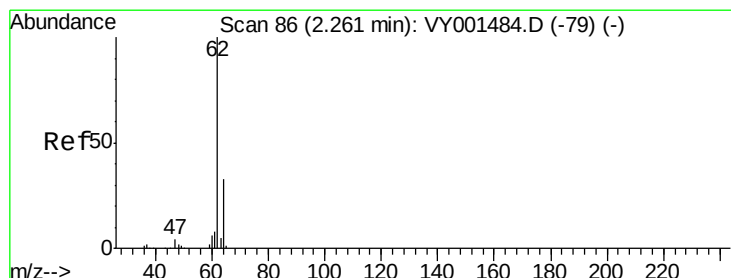
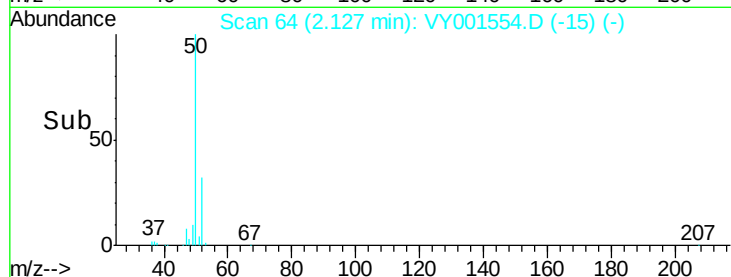
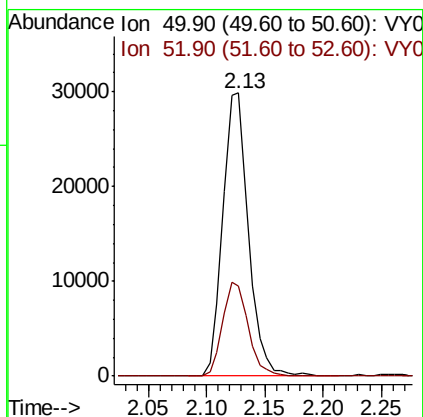
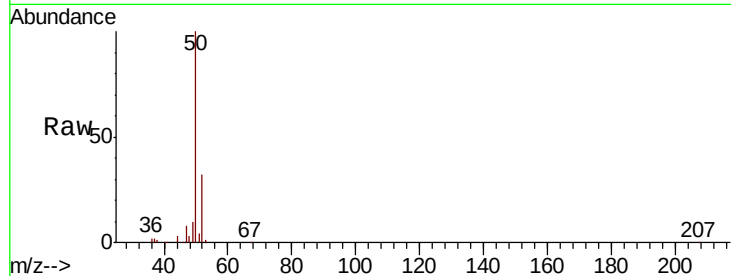
Ion Ratio Lower Upper

50 100

52 31.9 27.3 40.9

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#4

Vinyl Chloride

Concen: 23.028 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001554.D

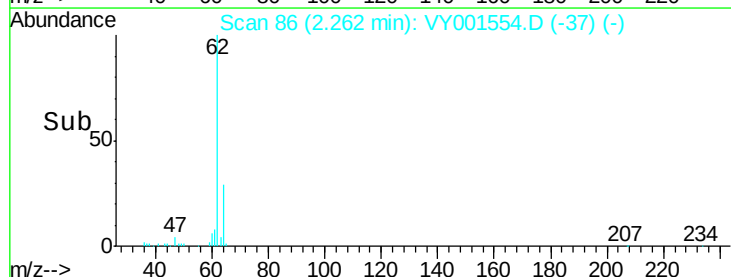
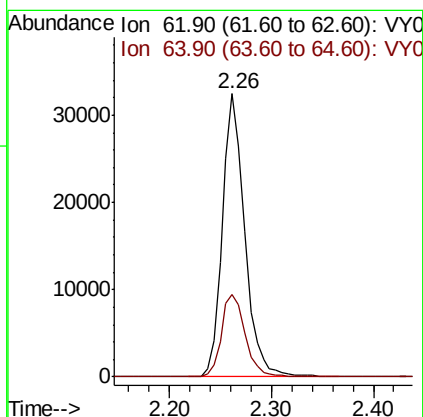
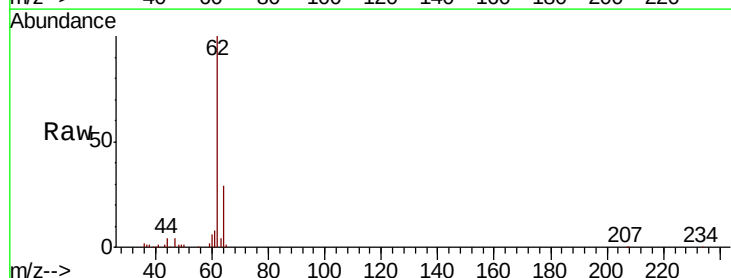
Acq: 07 Feb 2020 15:15

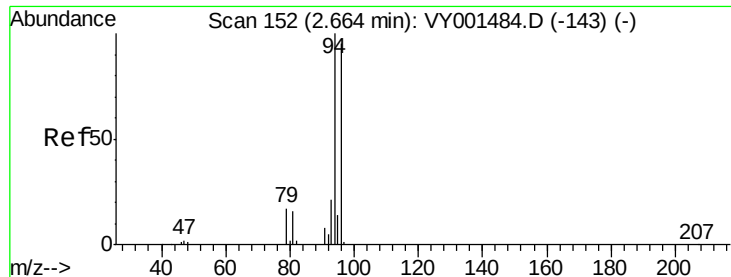
Tgt Ion: 62 Resp: 49597

Ion Ratio Lower Upper

62 100

64 29.1 26.4 39.6





#5

Bromomethane

Concen: 23.474 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 94 Resp: 31796

Ion Ratio Lower Upper

94 100

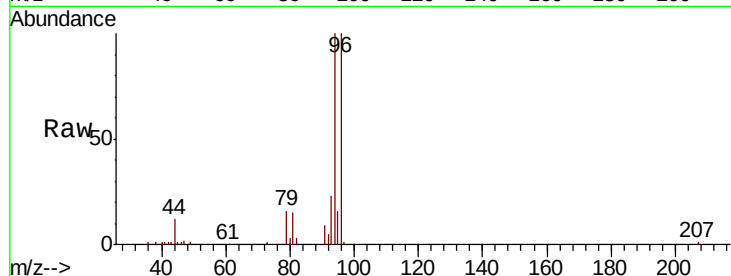
96 100.1 76.2 114.2

Manual Integrations

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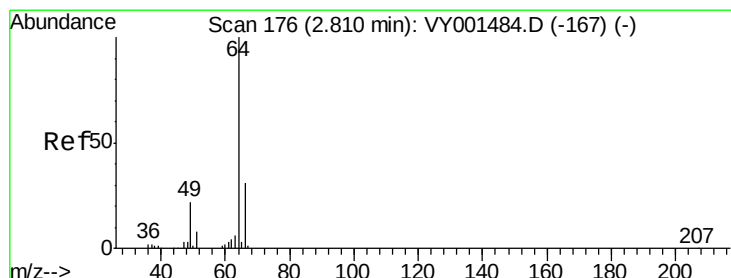
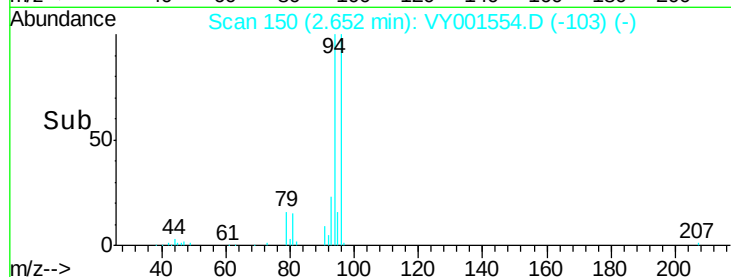
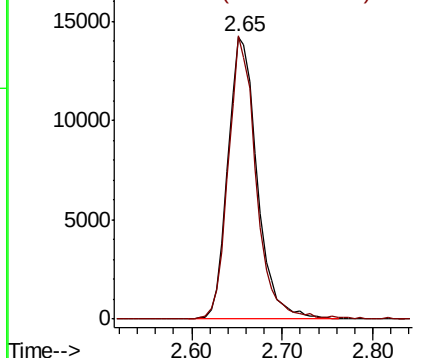
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Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 23.560 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001554.D

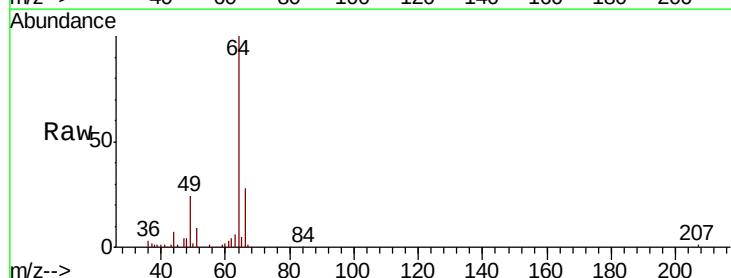
Acq: 07 Feb 2020 15:15

Tgt Ion: 64 Resp: 30586

Ion Ratio Lower Upper

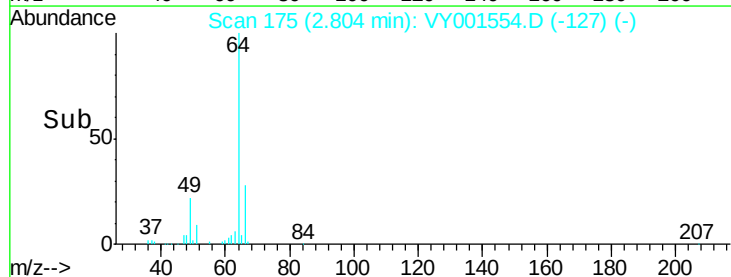
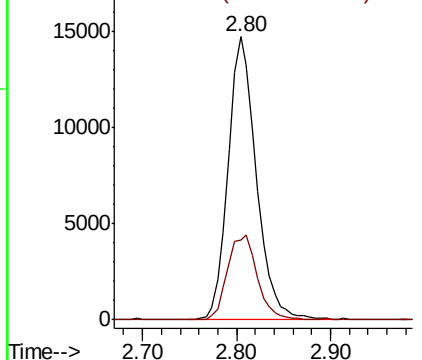
64 100

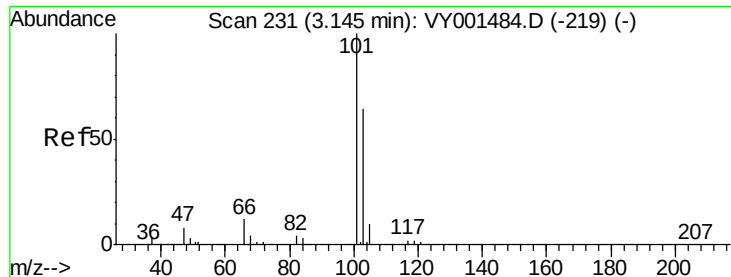
66 28.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

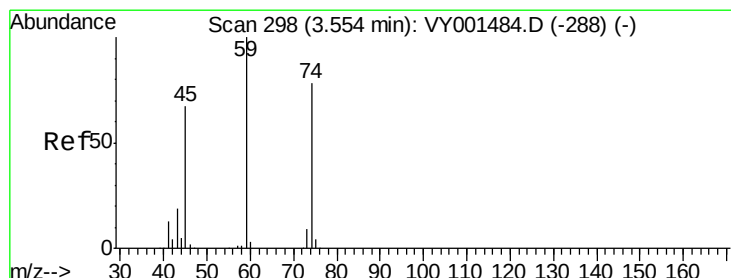
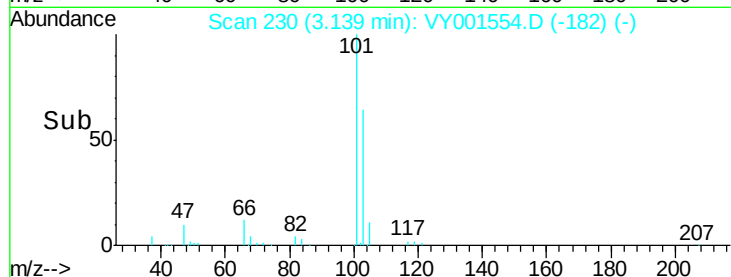
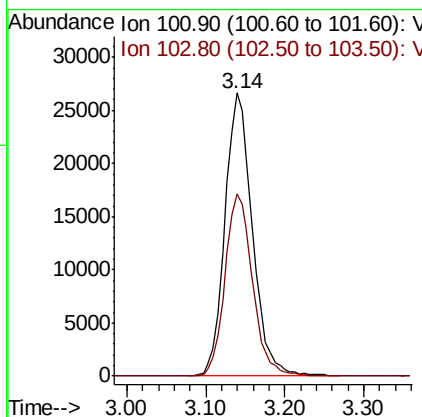
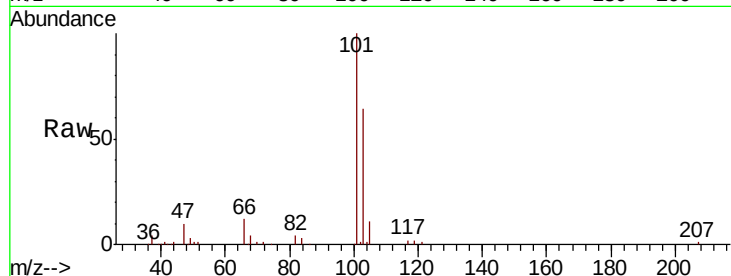
Trichlorofluoromethane
Concen: 18.116 ug/l
RT: 3.14 min Scan# 230
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3

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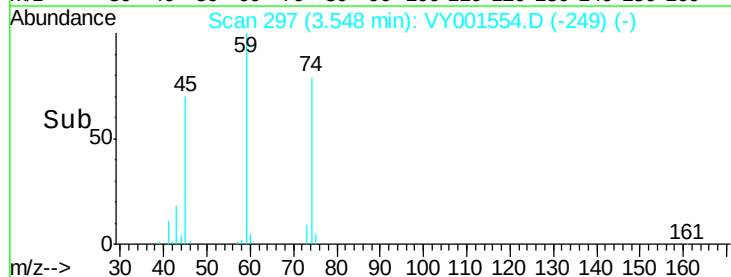
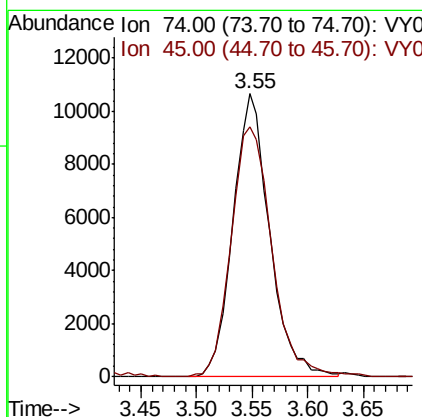
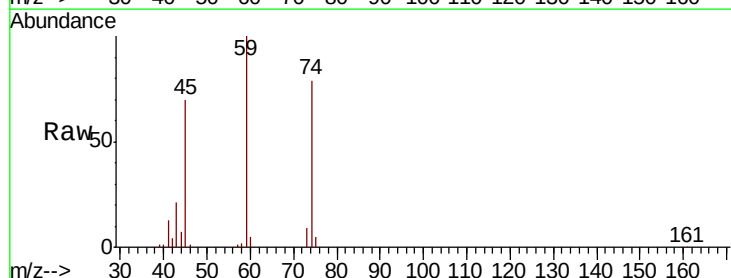
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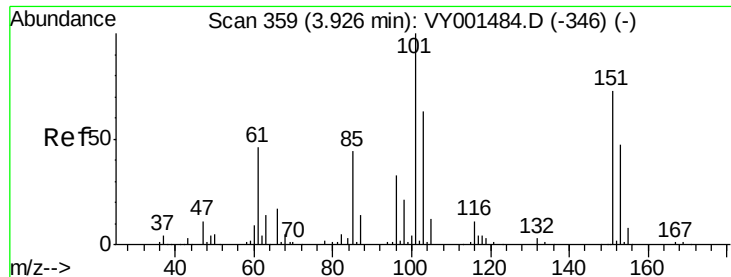


#8

Diethyl Ether
Concen: 20.158 ug/l
RT: 3.55 min Scan# 297
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.729 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

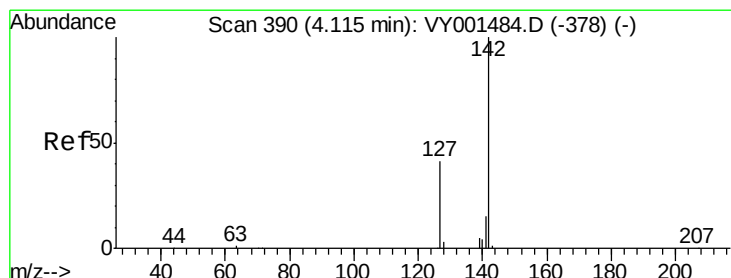
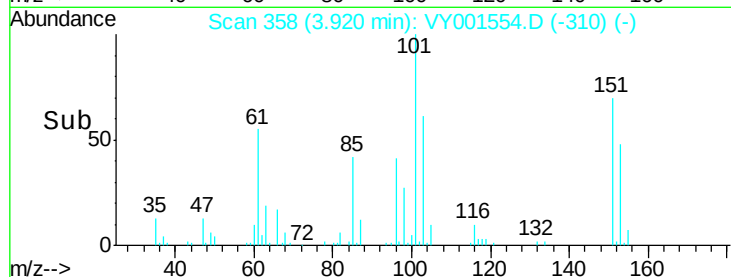
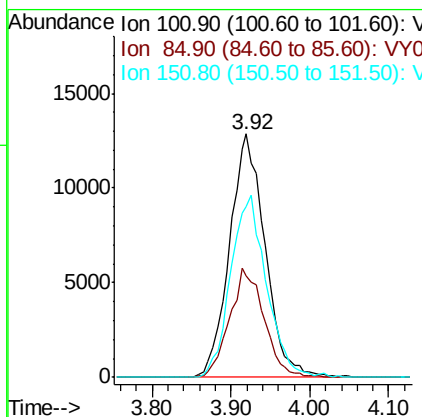
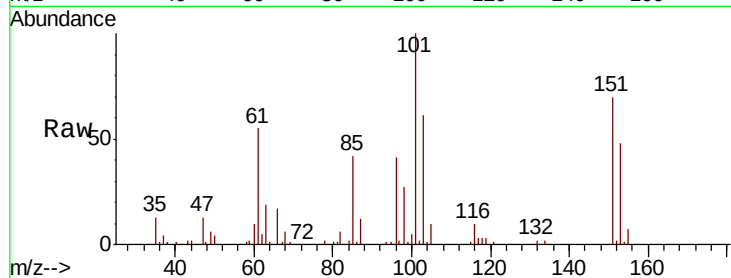
ClientSampleId :

VY0207SBS01

Tot Ion:	101	Resp:	40173
Ion Ratio	Lower	Upper	
101	100		
85	43.6	34.6	51.8
151	75.7	60.3	90.5

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#10

Methyl Iodide

Concen: 17.579 ug/l

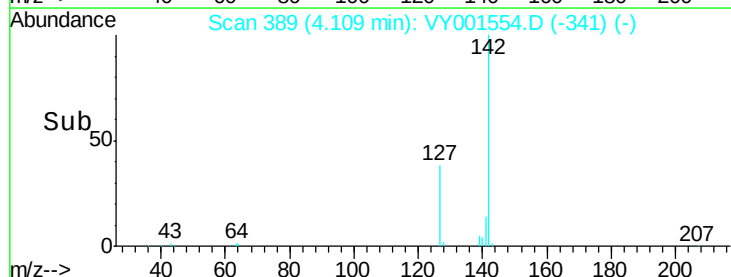
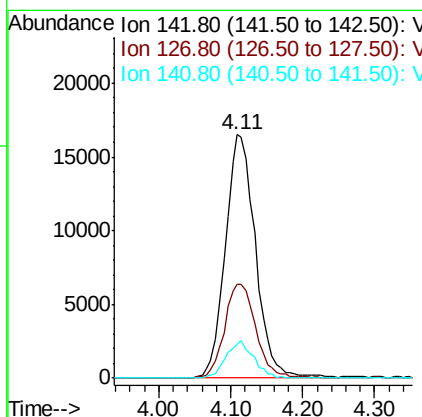
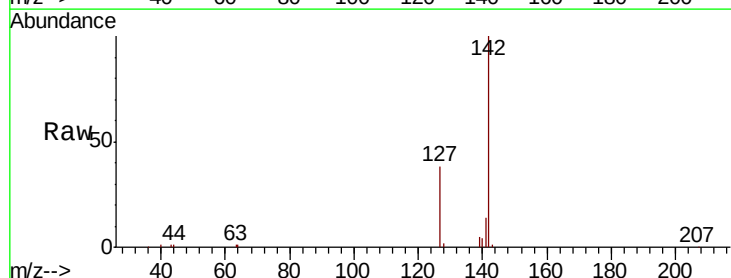
RT: 4.11 min Scan# 389

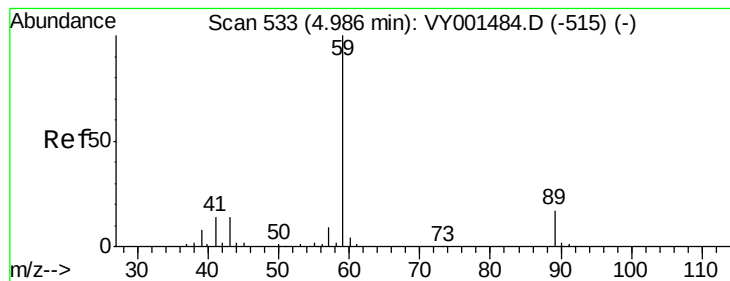
Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Tgt Ion:	142	Resp:	48045
Ion Ratio	Lower	Upper	
142	100		
127	40.2	33.3	49.9
141	13.9	11.5	17.3





#11

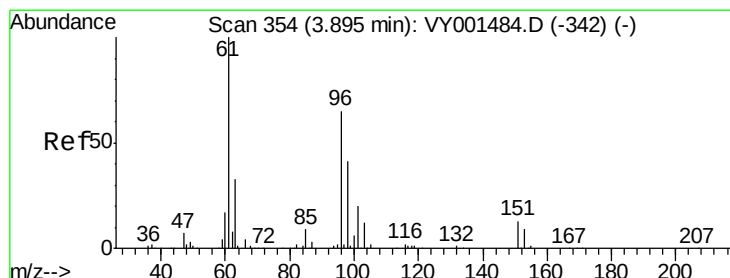
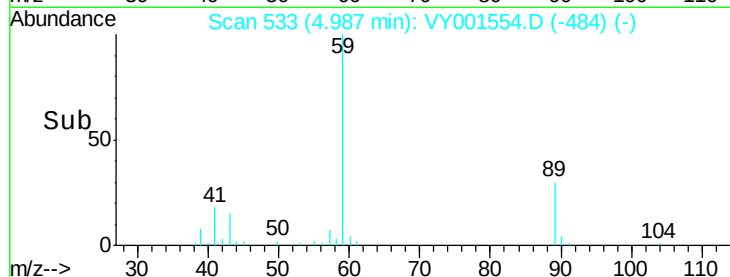
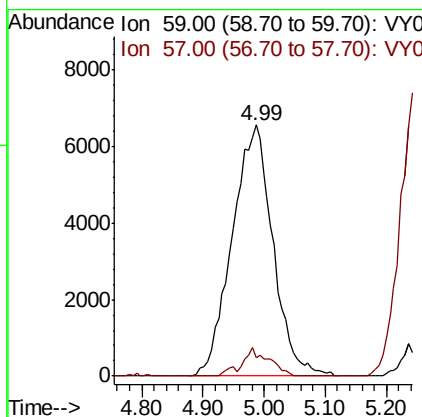
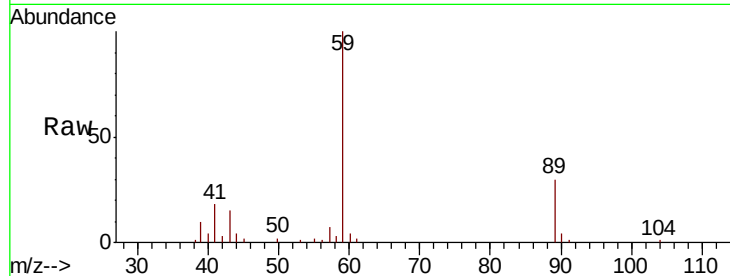
Tert butyl alcohol
Concen: 113.909 ug/l
RT: 4.99 min Scan# 533
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	7.5	7.0	10.6

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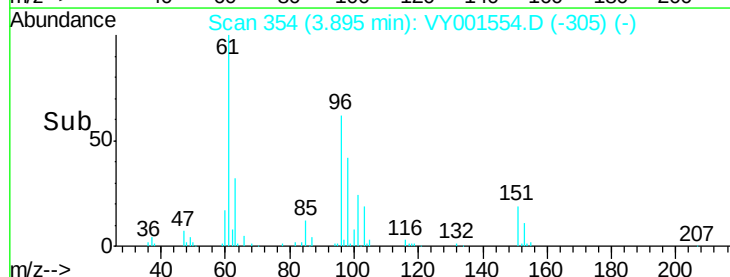
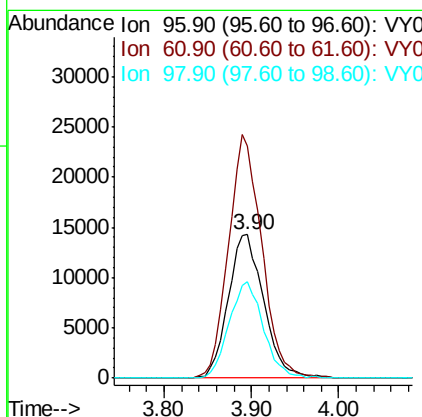
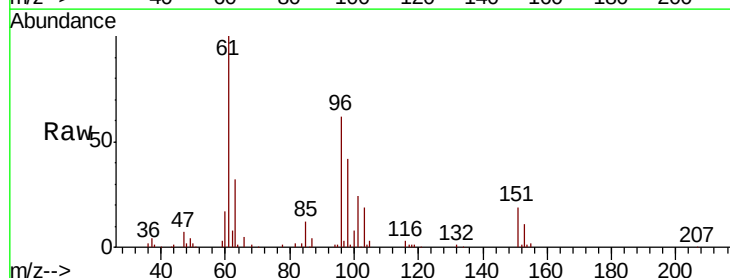
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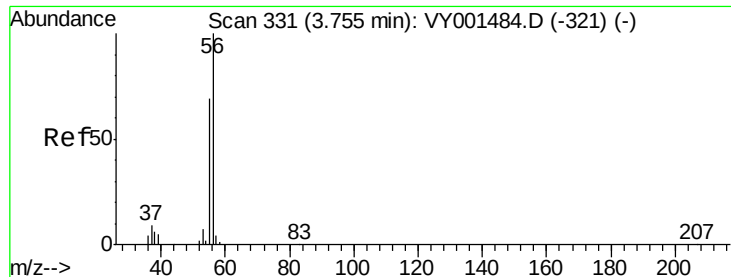


#12

1,1-Dichloroethene
Concen: 18.839 ug/l
RT: 3.90 min Scan# 354
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	161.8	122.3	183.5
98	98	67.4	49.7	74.5





#13

Acrolein

Concen: 106.050 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 56 Resp: 20498

Ion Ratio Lower Upper

56 100

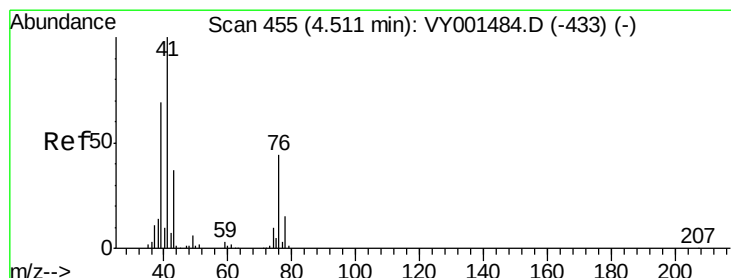
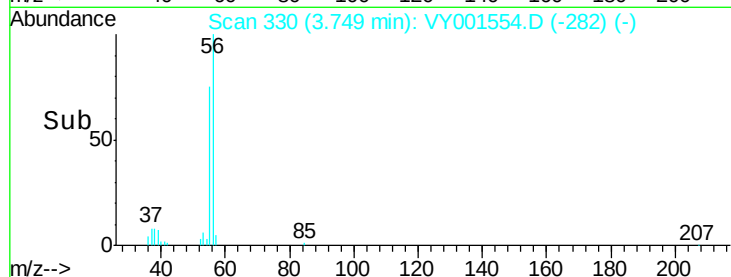
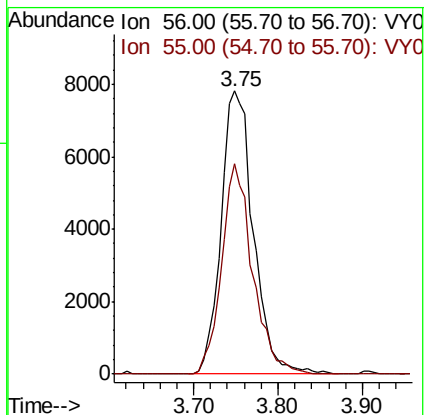
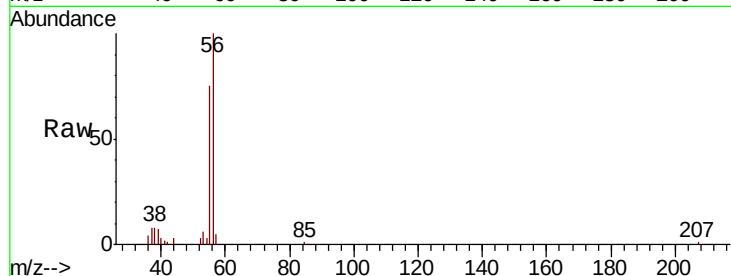
55 71.4 56.2 84.4

Manual Integrations

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#14

Allyl chloride

Concen: 21.896 ug/l

RT: 4.51 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

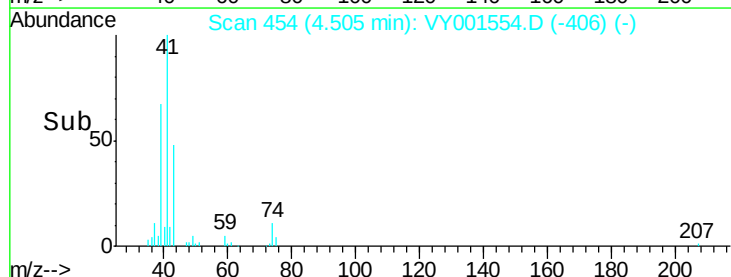
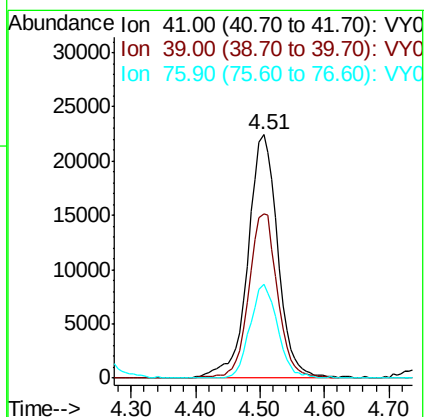
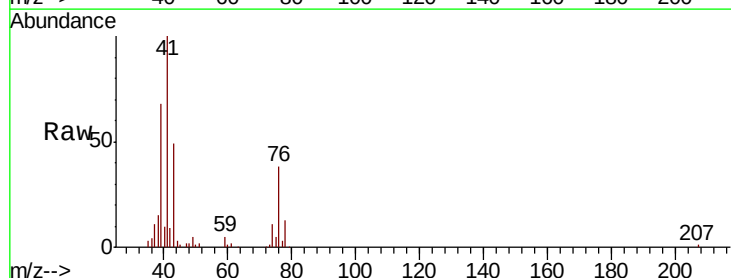
Tgt Ion: 41 Resp: 71398

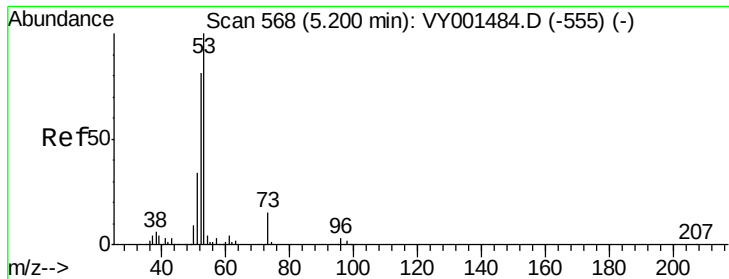
Ion Ratio Lower Upper

41 100

39 65.1 53.0 79.6

76 35.6 32.6 48.8





#15

Acrylonitrile

Concen: 119.551 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

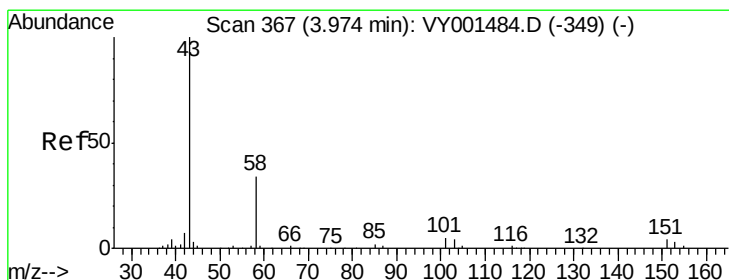
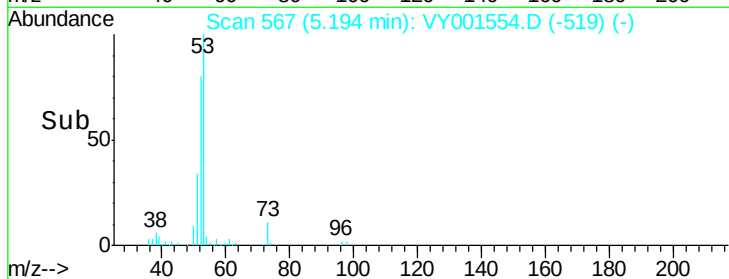
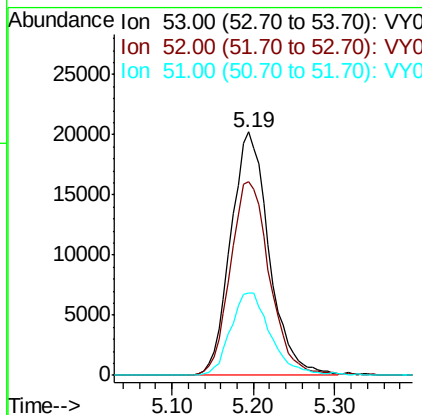
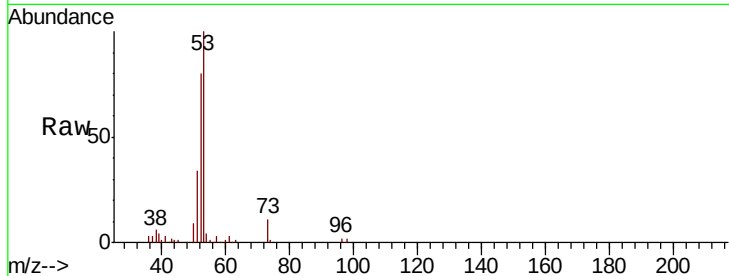
ClientSampleId :

VY0207SBS01

Tot Ion:	53	Resp:	65933
Ion Ratio	Lower	Upper	
53	100		
52	81.9	65.4	98.2
51	35.5	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 106.790 ug/l

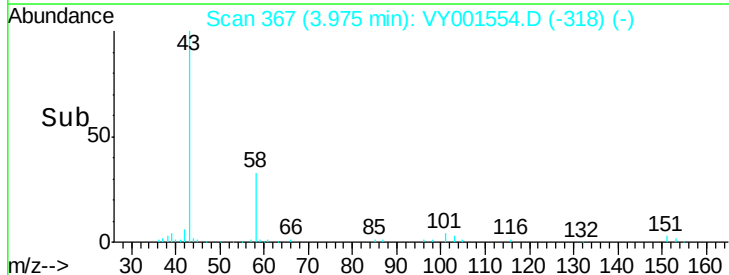
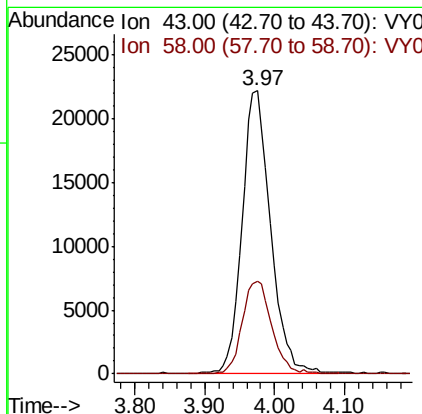
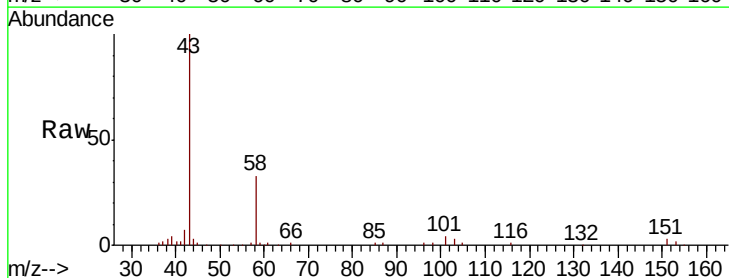
RT: 3.97 min Scan# 367

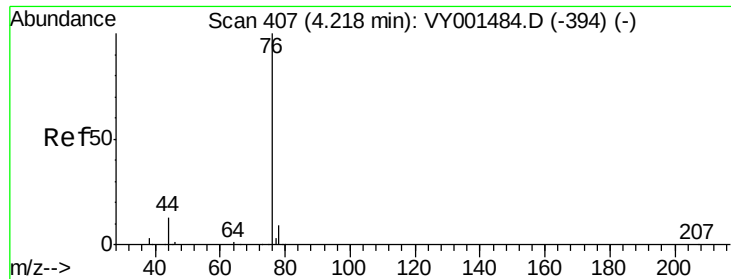
Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Tgt Ion:	43	Resp:	63056
Ion Ratio	Lower	Upper	
43	100		
58	32.8	27.5	41.3





#17

Carbon Disulfide

Concen: 19.499 ug/l

RT: 4.21 min Scan# 406

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 76 Resp: 132314

Ion Ratio Lower Upper

76 100

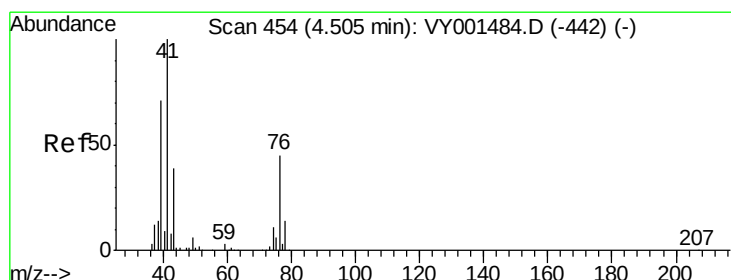
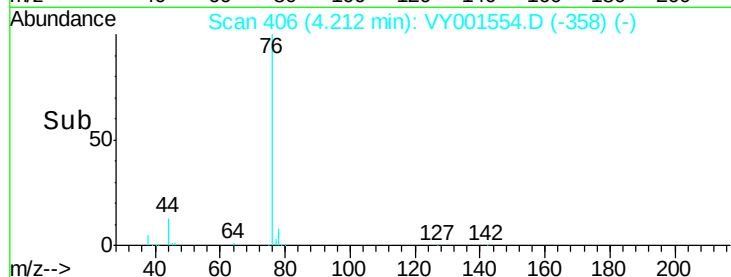
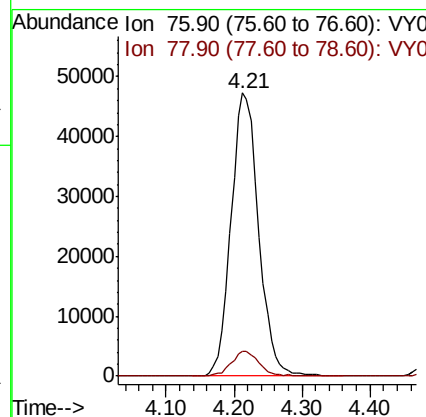
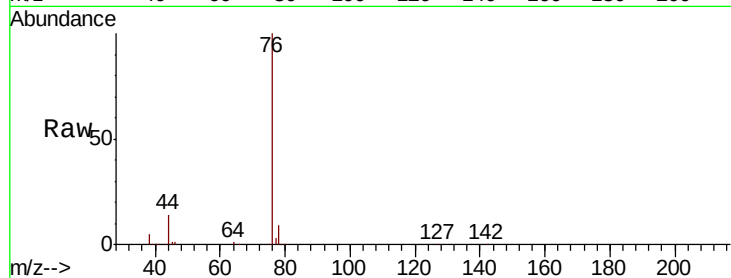
78 8.9 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 25.612 ug/l

RT: 4.51 min Scan# 454

Delta R.T. 0.00 min

Lab File: VY001554.D

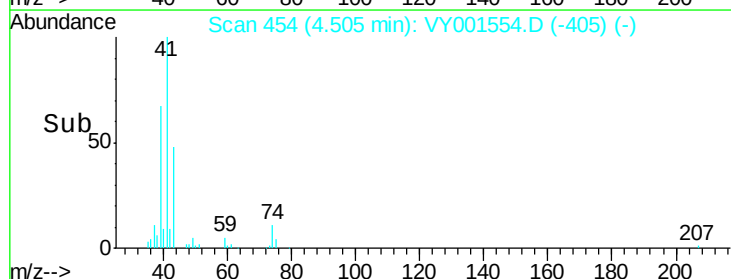
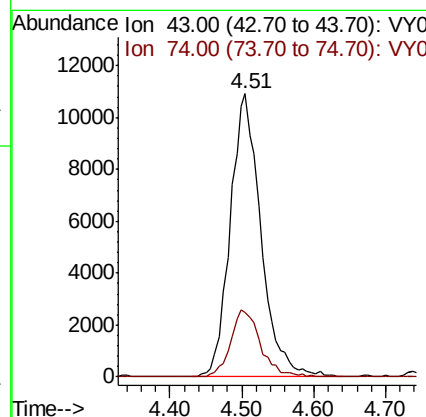
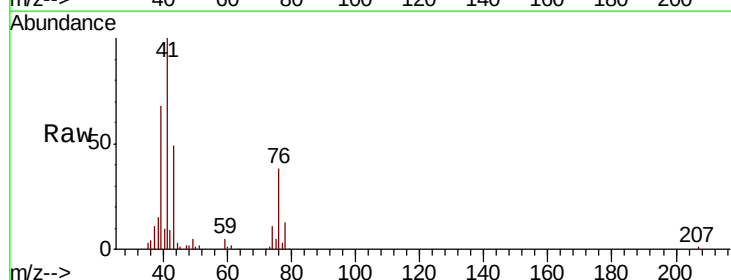
Acq: 07 Feb 2020 15:15

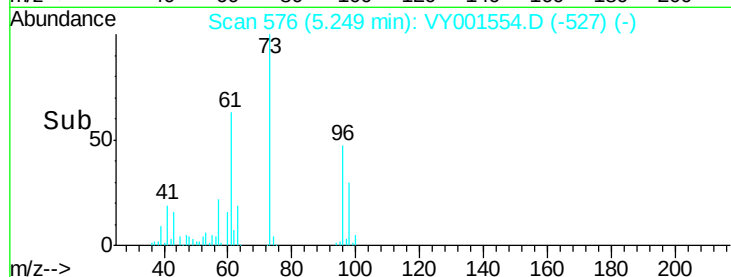
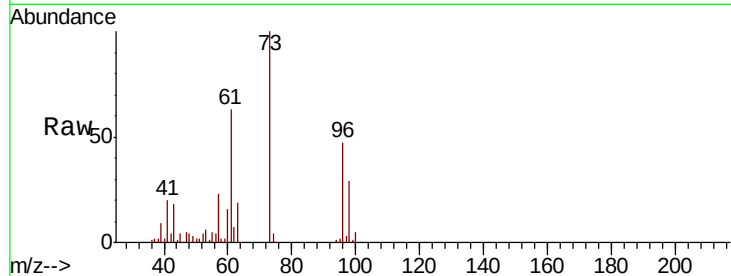
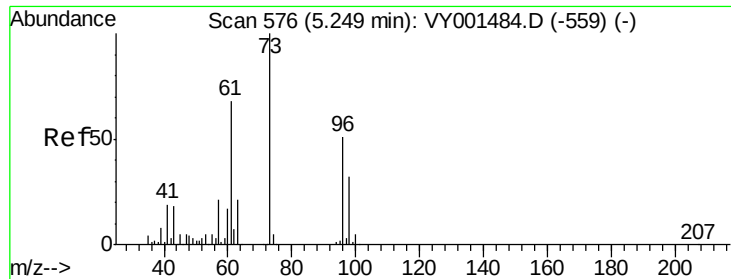
Tgt Ion: 43 Resp: 32272

Ion Ratio Lower Upper

43 100

74 23.1 21.0 31.6





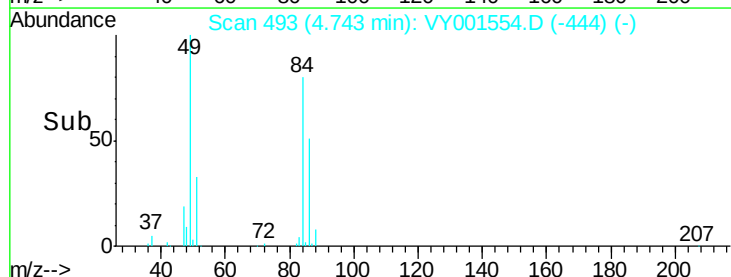
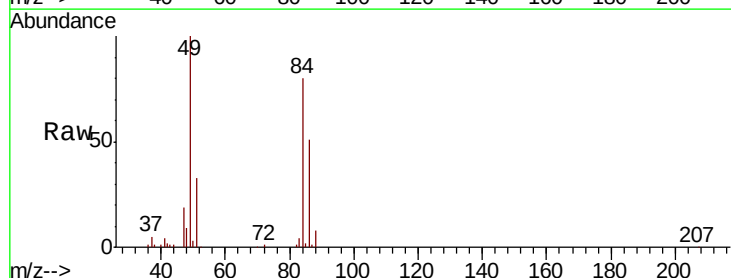
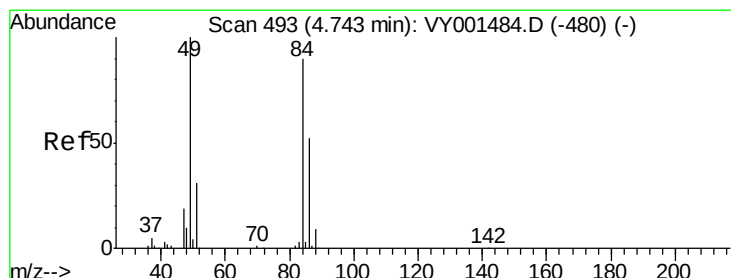
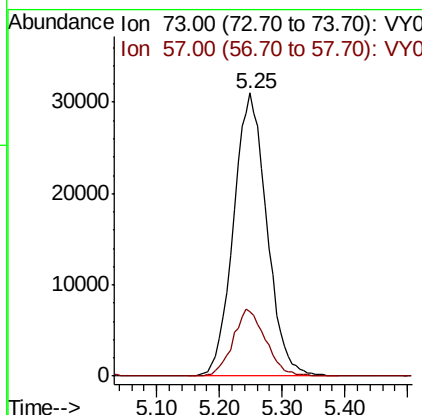
#19
Methyl tert-butyl Ether
Concen: 20.080 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tot Ion: 73 Resp: 113826
Ion Ratio Lower Upper
73 100
57 22.7 17.0 25.6

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

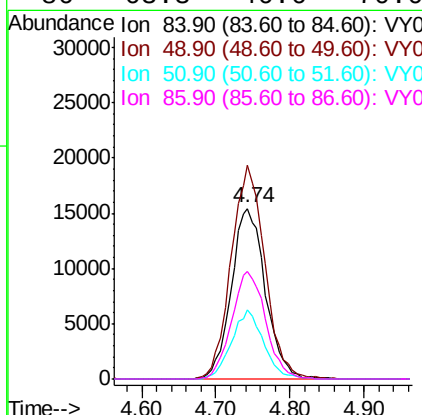
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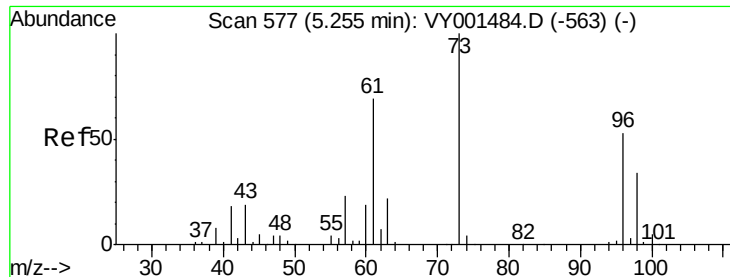
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#20
Methylene Chloride
Concen: 18.422 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion: 84 Resp: 49493
Ion Ratio Lower Upper
84 100
49 125.3 89.0 133.6
51 40.9 27.4 41.2
86 63.3 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.329 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

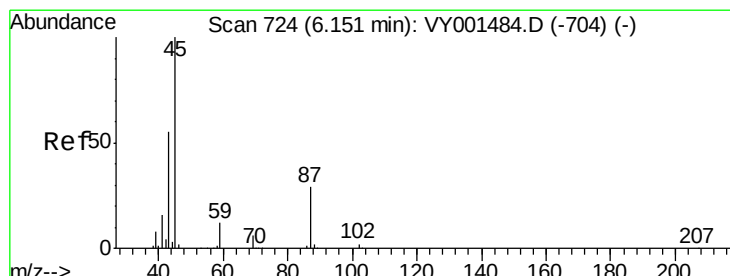
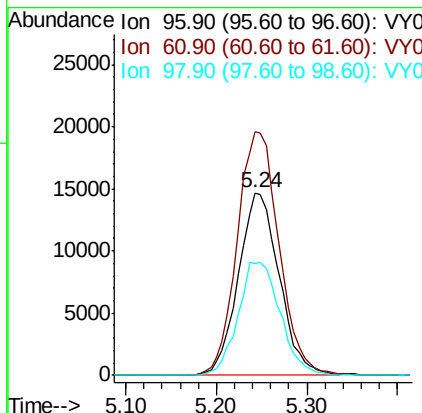
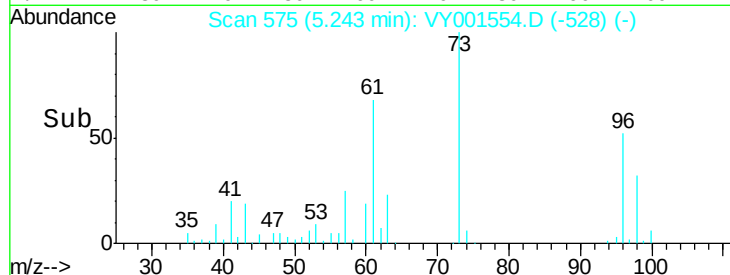
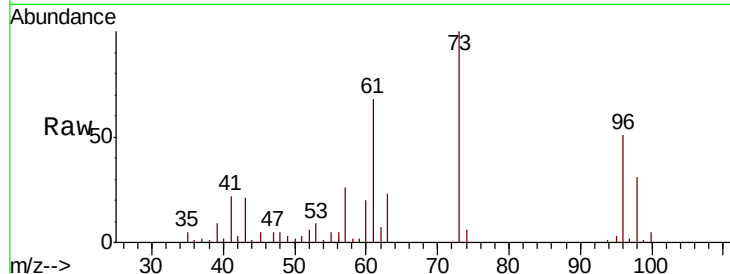
ClientSampleId :

VY0207SBS01

Tot Ion:	96	Resp:	45802
Ion	Ratio	Lower	Upper
96	100		
61	133.3	104.2	156.4
98	61.3	51.4	77.0

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#22

Diisopropyl ether

Concen: 22.481 ug/l

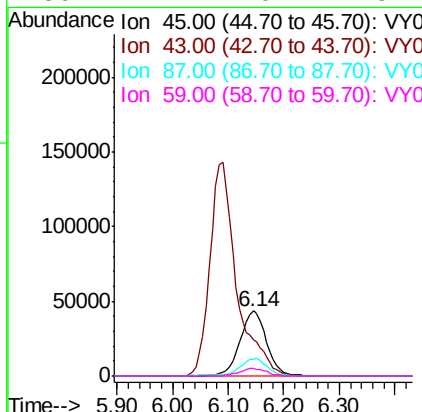
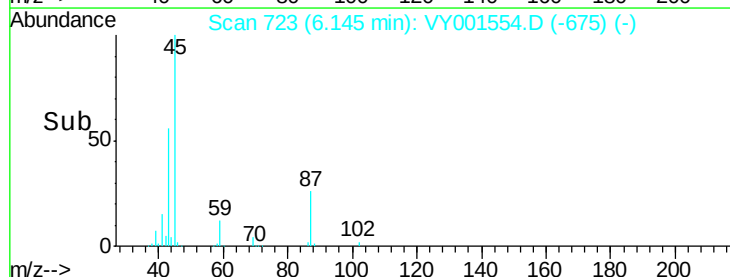
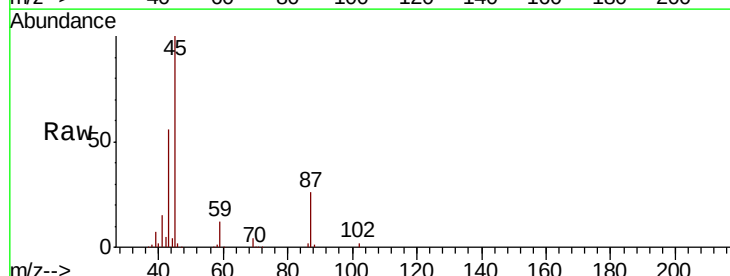
RT: 6.14 min Scan# 723

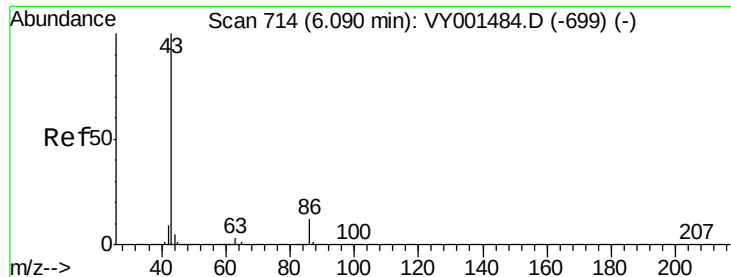
Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Tgt Ion:	45	Resp:	145231
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.2	66.4
87	26.4	23.9	35.9
59	11.7	10.2	15.2





#23

Vinyl Acetate

Concen: 116.630 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 43 Resp: 479646

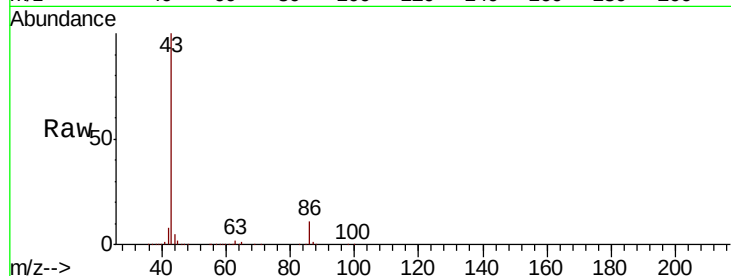
Ion Ratio Lower Upper

43 100

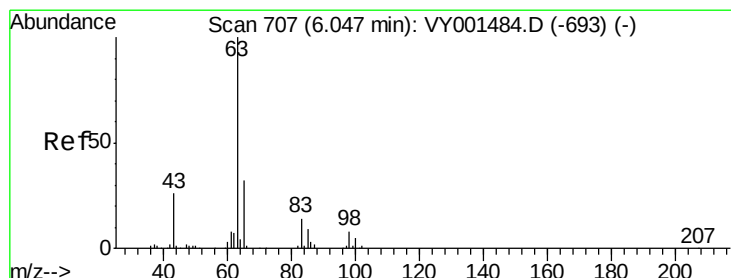
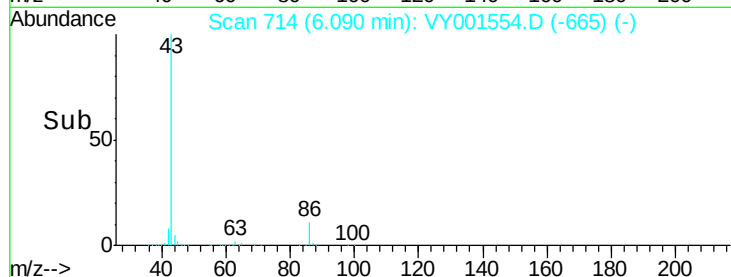
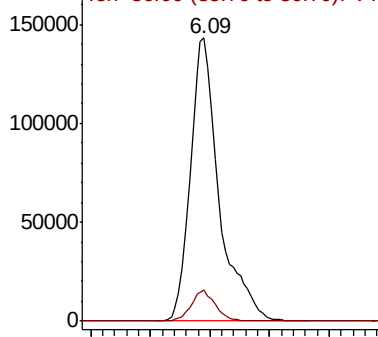
86 10.8 9.8 14.8

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Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.405 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

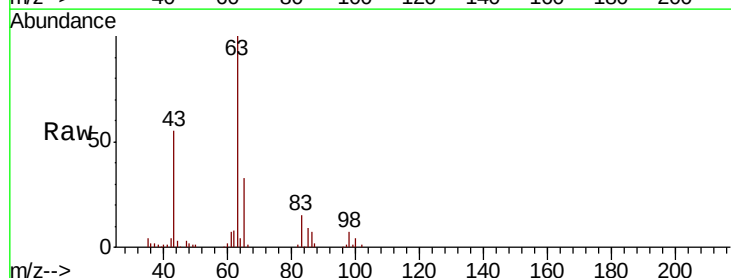
Tgt Ion: 63 Resp: 79290

Ion Ratio Lower Upper

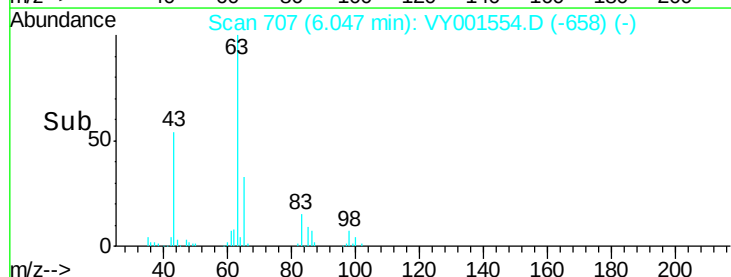
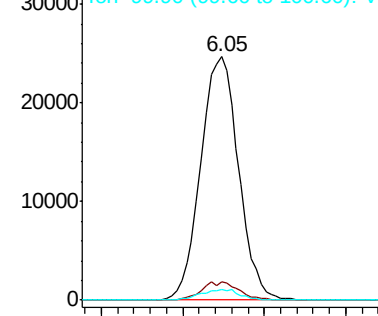
63 100

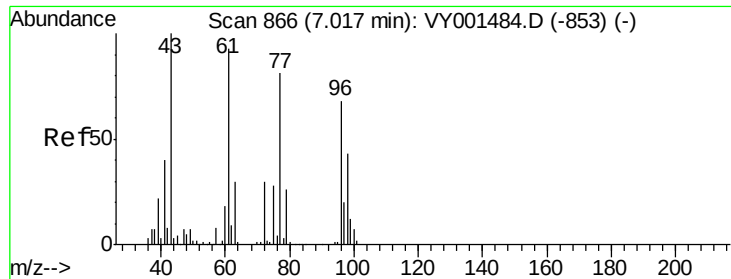
98 7.4 4.0 11.9

100 4.3 2.6 8.0



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





#25

2-Butanone

Concen: 120.744 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 43 Resp: 92494

Ion Ratio Lower Upper

43 100

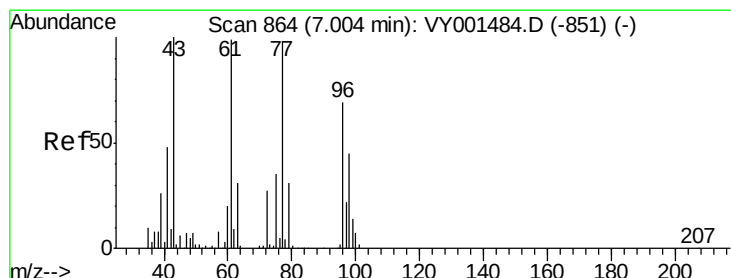
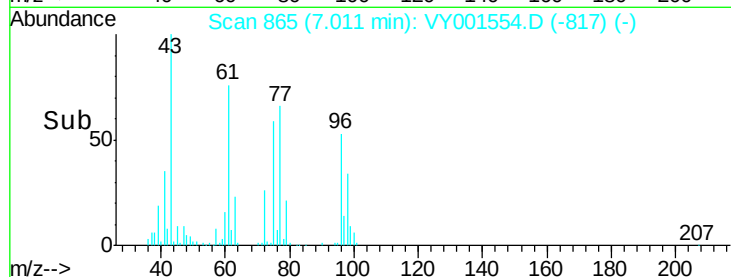
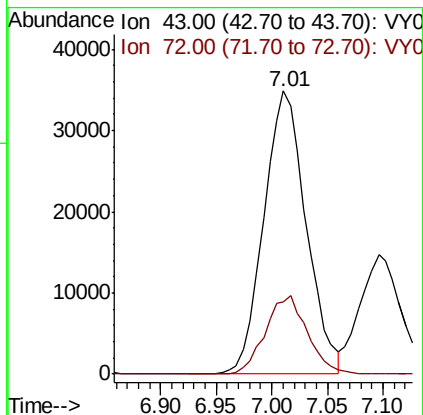
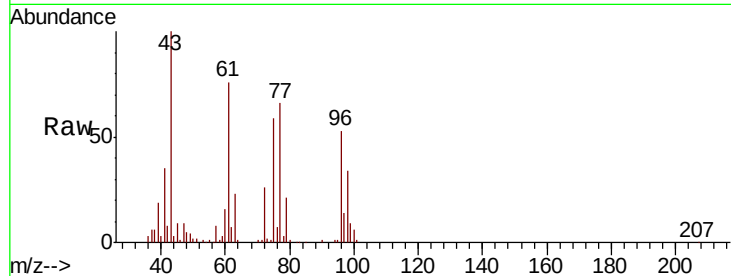
72 25.7 23.8 35.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.952 ug/l

RT: 7.01 min Scan# 865

Delta R.T. 0.01 min

Lab File: VY001554.D

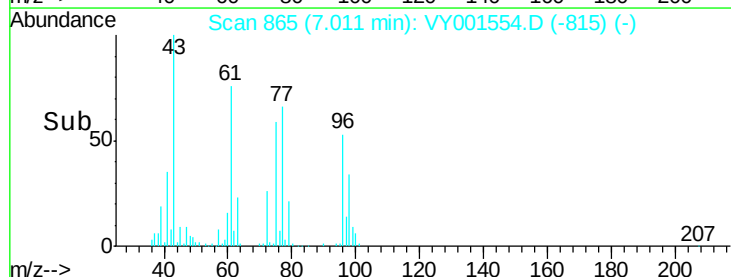
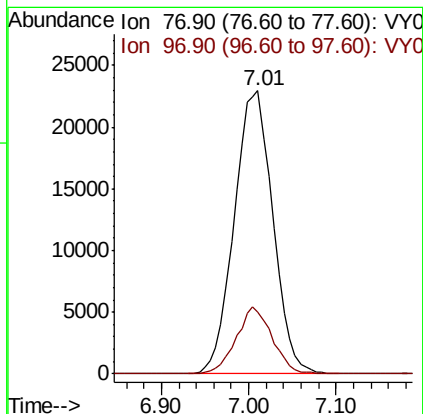
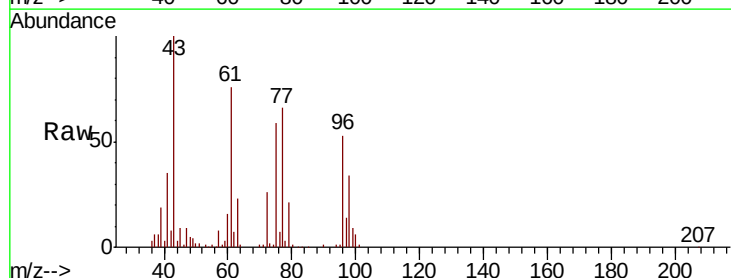
Acq: 07 Feb 2020 15:15

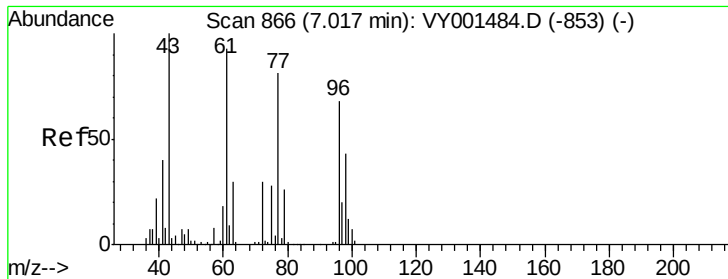
Tgt Ion: 77 Resp: 70482

Ion Ratio Lower Upper

77 100

97 22.2 11.7 35.0





#27

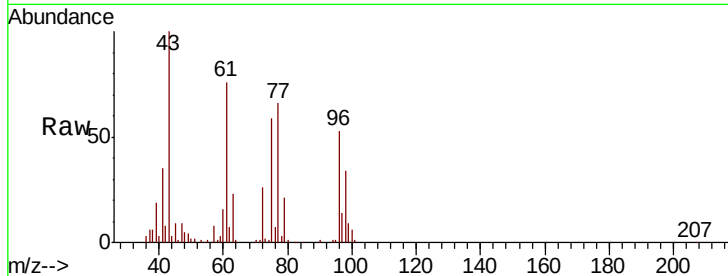
cis-1,2-Dichloroethene
Concen: 19.761 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

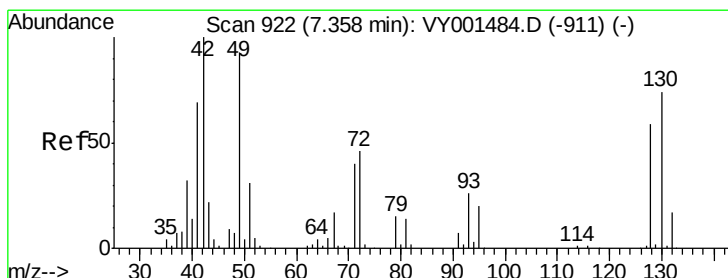
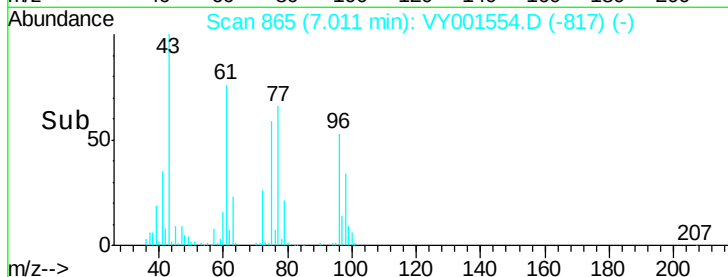
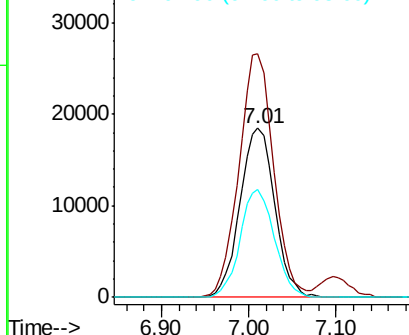
Tot Ion	Ratio	Resp	Lower	Upper
96	100	51144		
61	143.6	0.0	278.8	
98	63.1	0.0	128.8	

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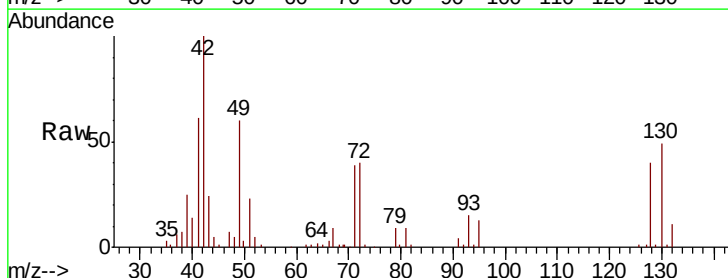
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



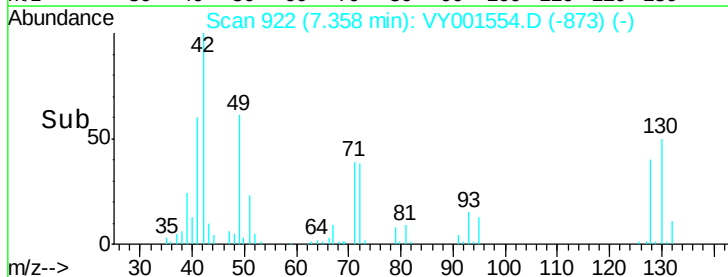
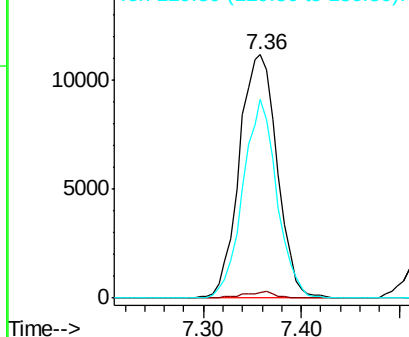
#28

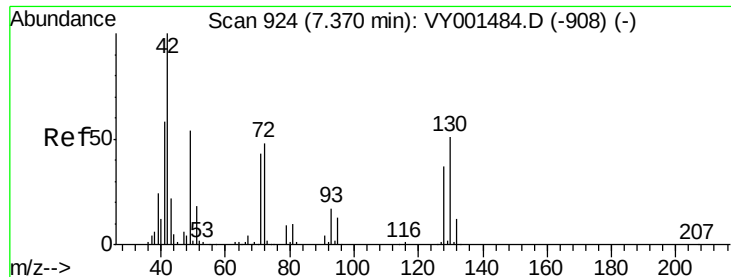
Bromochloromethane
Concen: 22.612 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29933		
129	2.1	0.0	4.8	
130	73.0	65.4	98.2	



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): VY0
Ion 129.80 (129.50 to 130.50): VY0





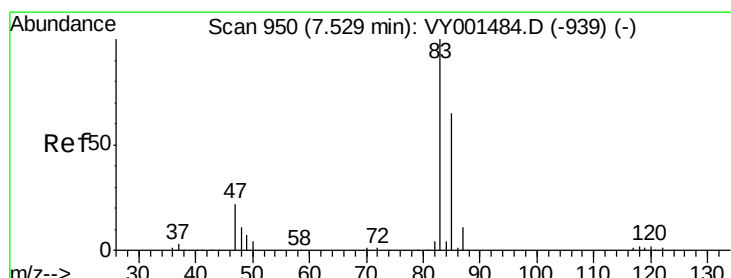
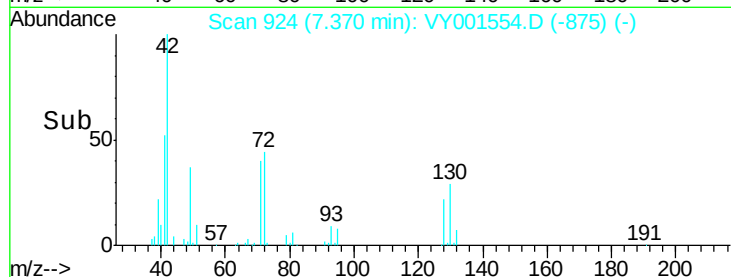
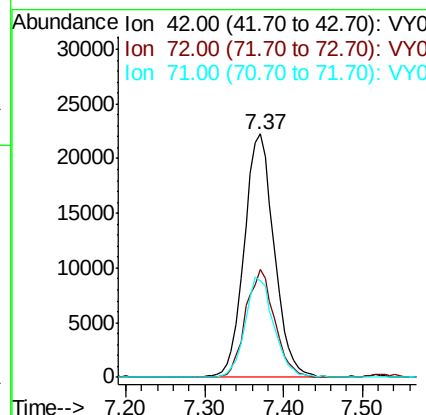
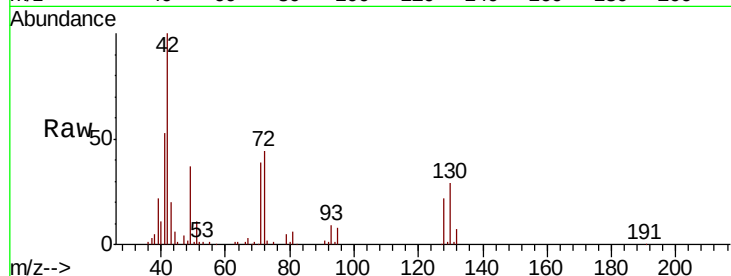
#29
Tetrahydrofuran
Concen: 128.403 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	37.8	56.6
71	39.3	34.8	52.2

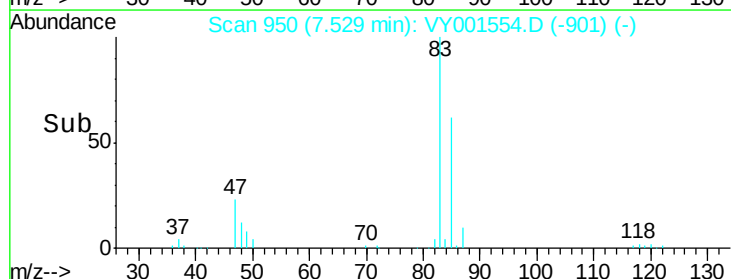
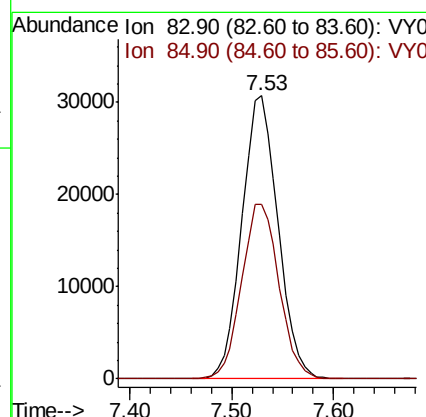
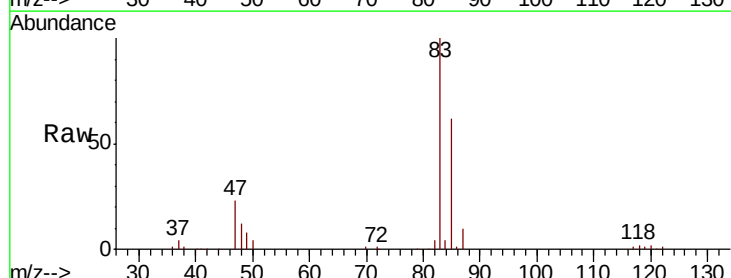
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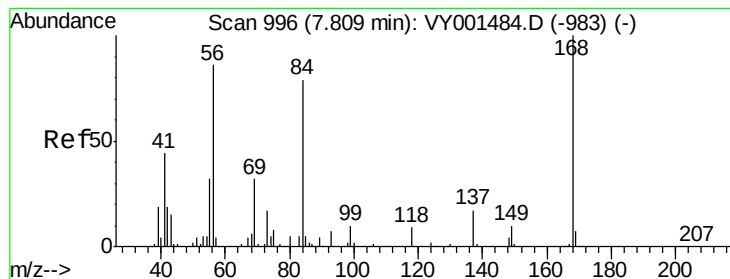
MMDadoda
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#30
Chloroform
Concen: 19.189 ug/l
RT: 7.53 min Scan# 950
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	52.4	78.6





#31

Cyclohexane

Concen: 21.320 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

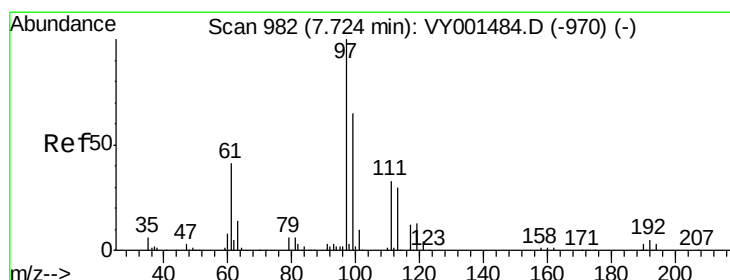
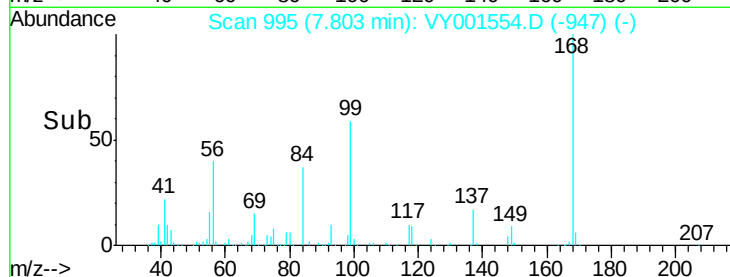
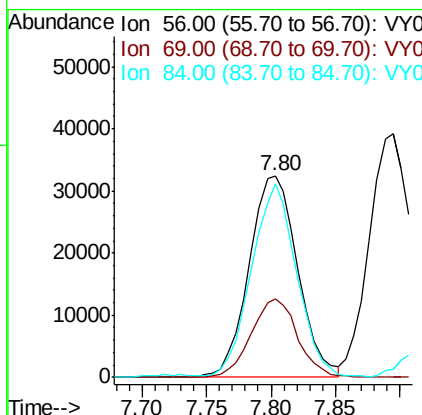
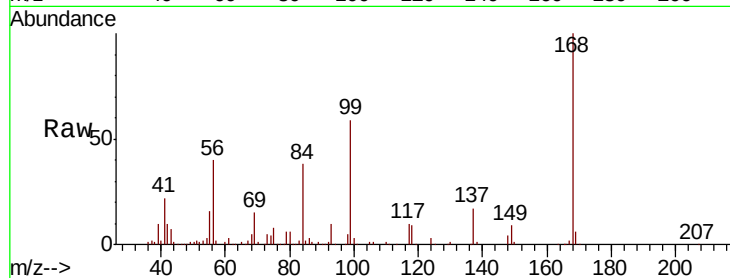
ClientSampleId :

VY0207SBS01

Tot Ion:	56	Resp:	84742
Ion Ratio	Lower	Upper	
56	100		
69	38.7	29.6	44.4
84	94.9	73.6	110.4

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#32

1,1,1-Trichloroethane

Concen: 18.658 ug/l

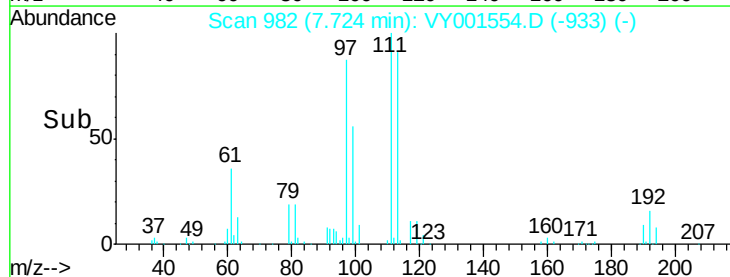
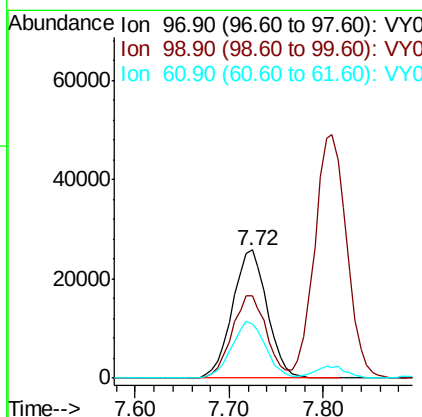
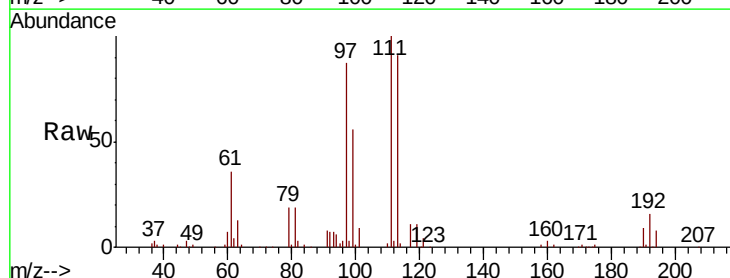
RT: 7.72 min Scan# 982

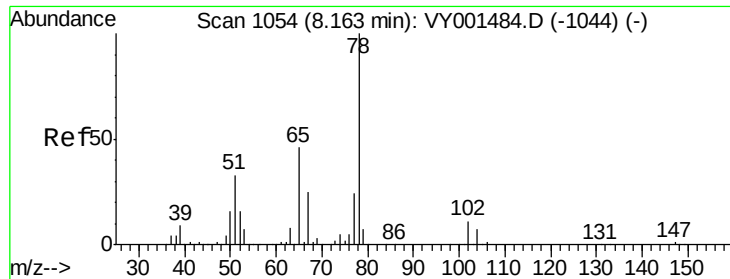
Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Tgt Ion:	97	Resp:	66585
Ion Ratio	Lower	Upper	
97	100		
99	63.5	51.8	77.8
61	43.1	32.5	48.7





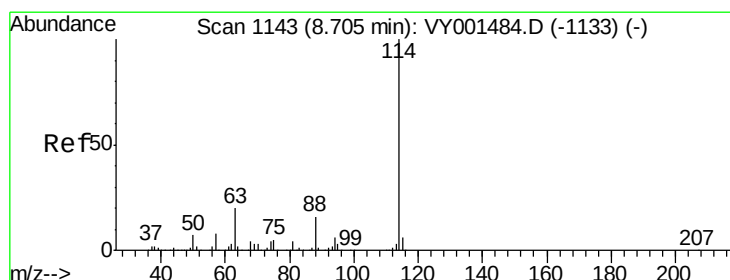
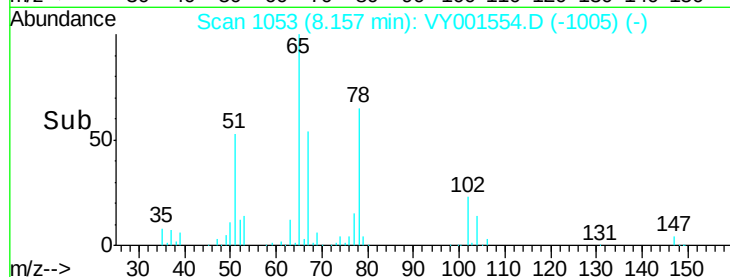
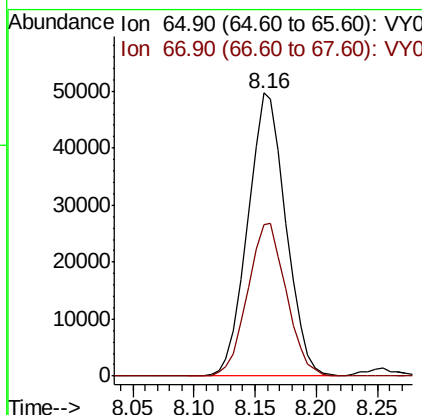
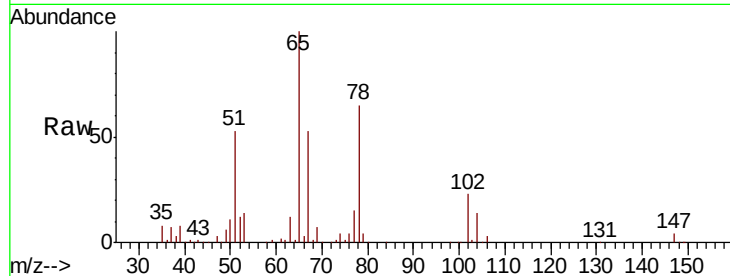
#33
 1,2-Dichloroethane-d4
 Concen: 52.738 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	108.6

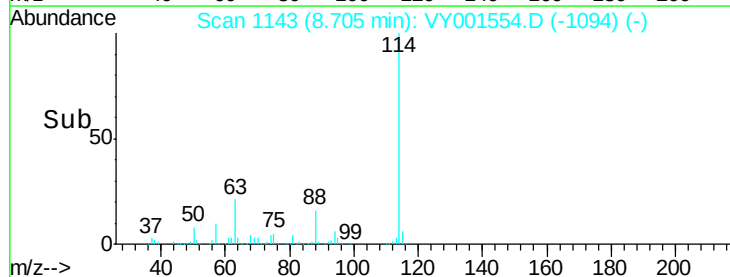
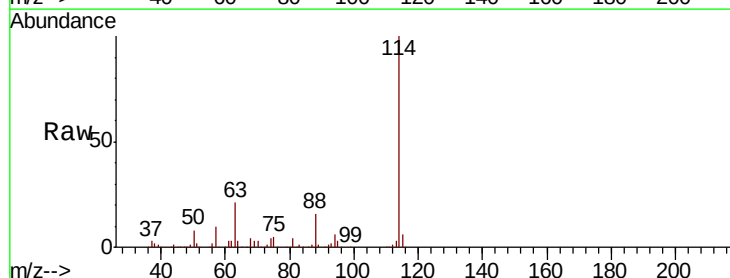
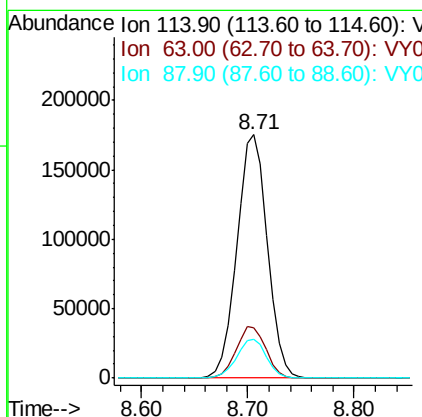
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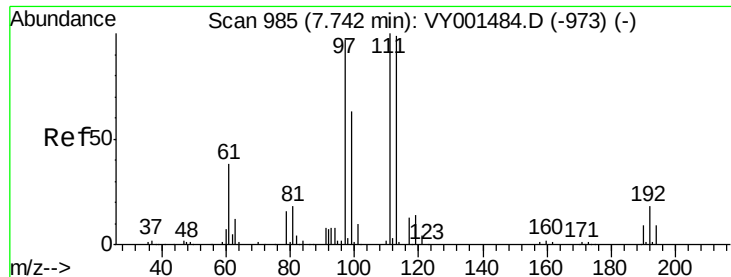
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	39.8
88	16.1	0.0	32.6





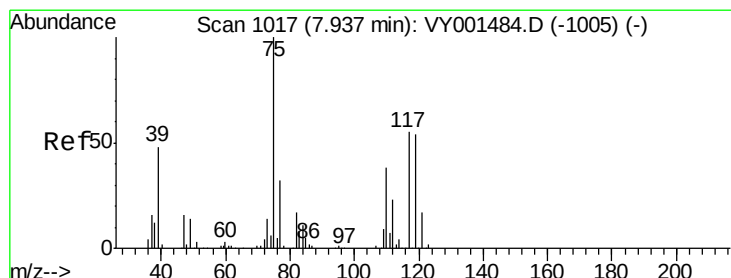
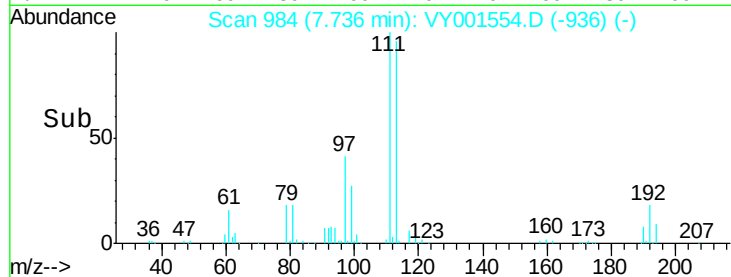
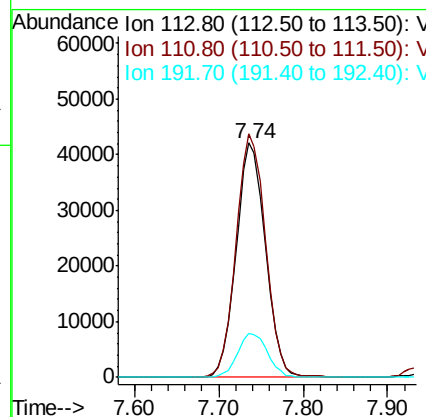
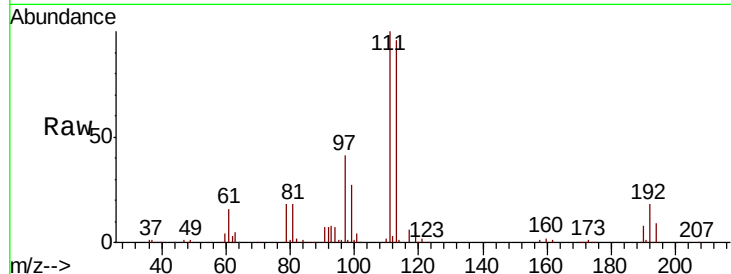
#35
 Dibromofluoromethane
 Concen: 48.798 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98819		
111	104.3	82.9	124.3	
192	19.1	14.6	22.0	

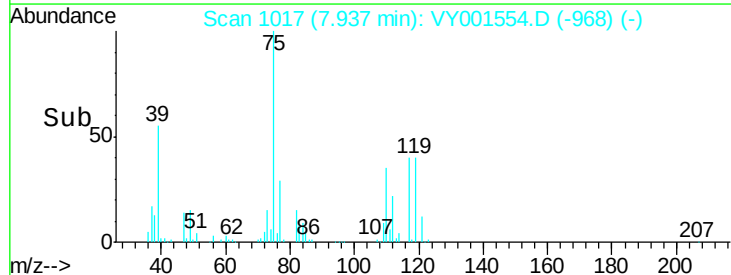
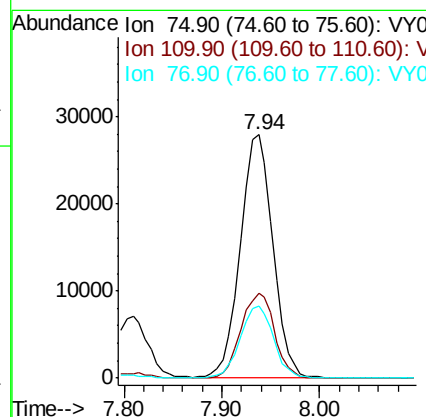
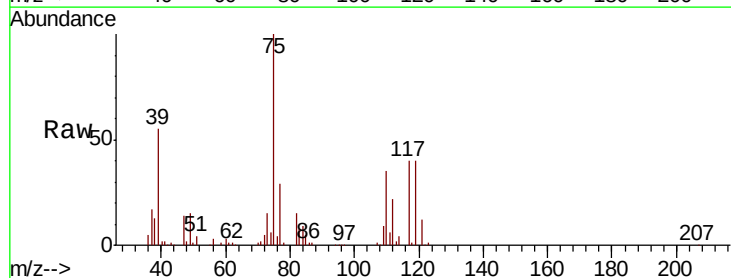
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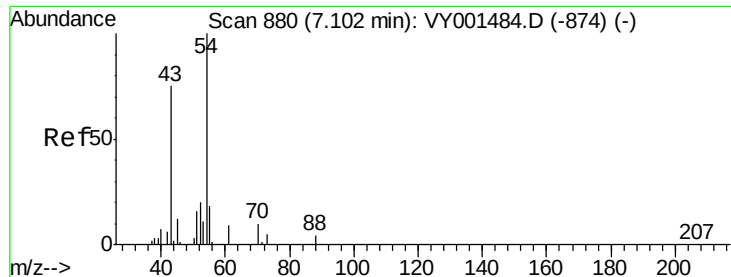
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#36
 1,1-Dichloropropene
 Concen: 20.154 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64748		
110	35.7	18.2	54.6	
77	30.1	25.0	37.4	





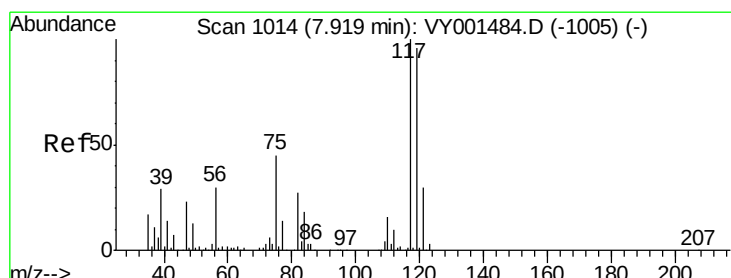
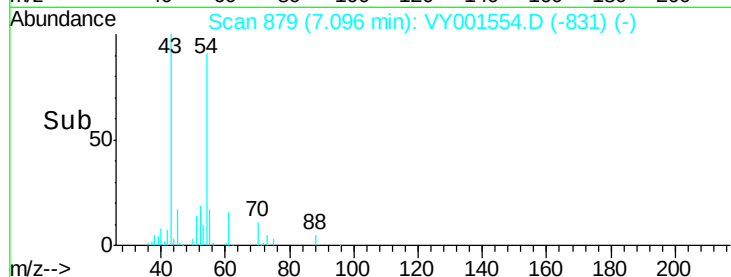
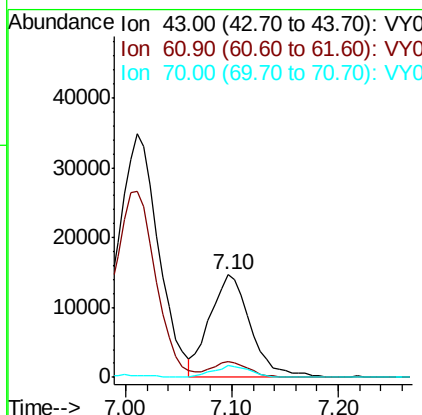
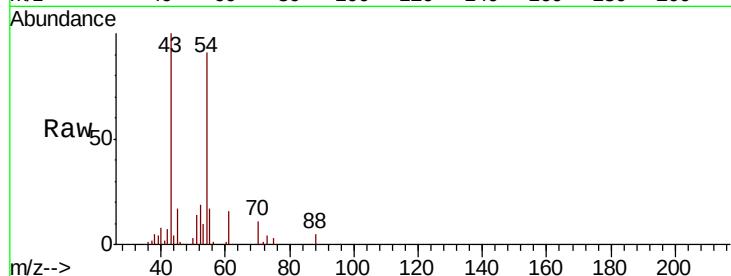
#37
Ethyl Acetate
Concen: 24.822 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	12.0	18.0
70	10.8	10.2	15.4

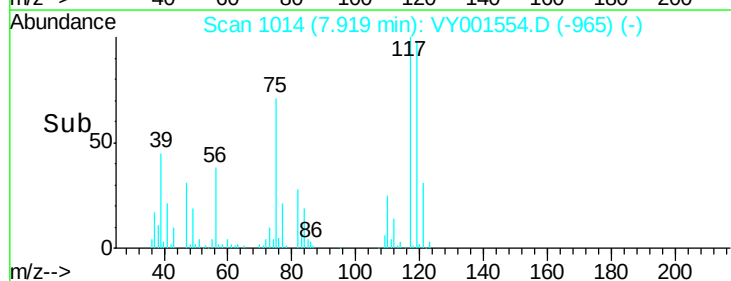
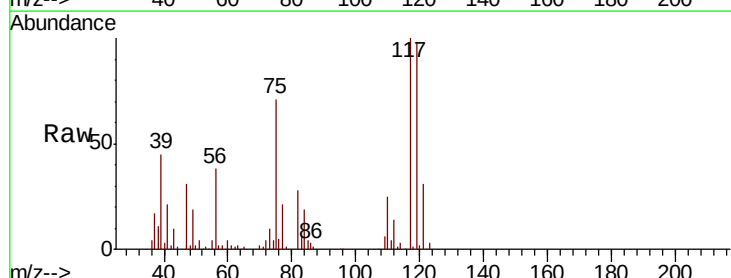
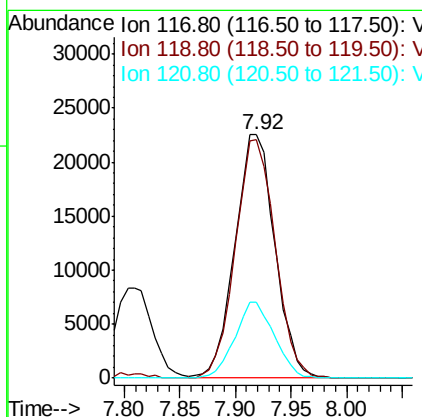
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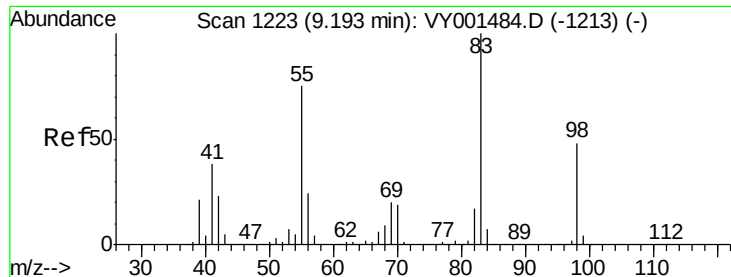
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#38
Carbon Tetrachloride
Concen: 18.089 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.4	114.6
121	31.2	24.2	36.4





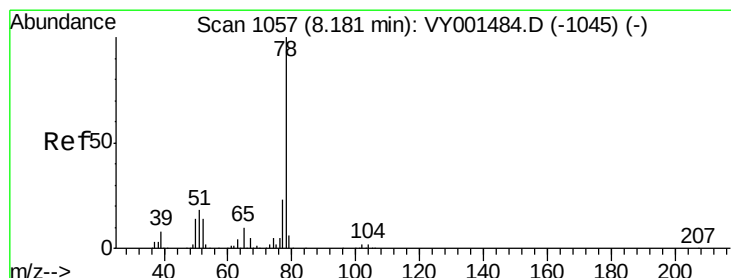
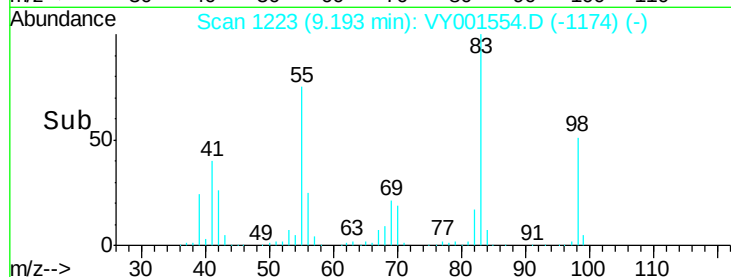
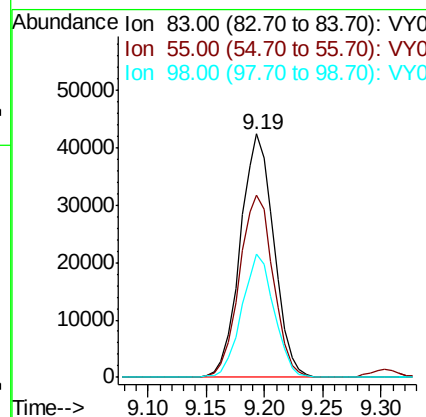
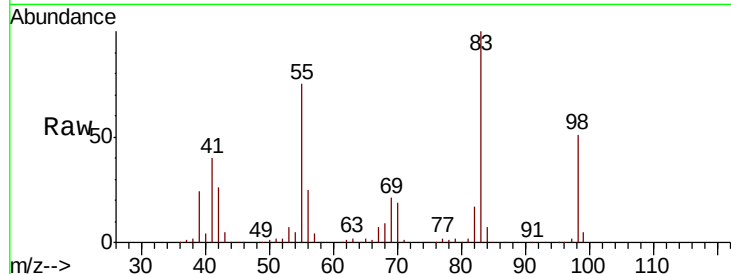
#39
Methylvlcyclohexane
Concen: 20.126 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.8	89.6
98	50.5	38.6	57.8

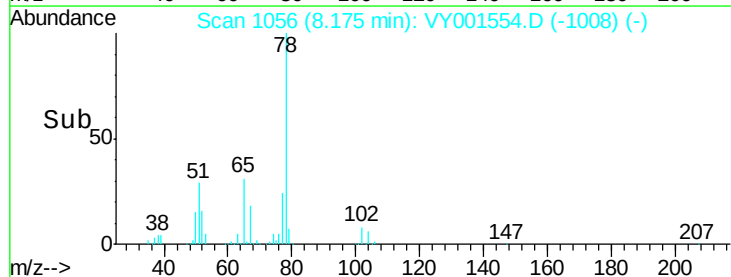
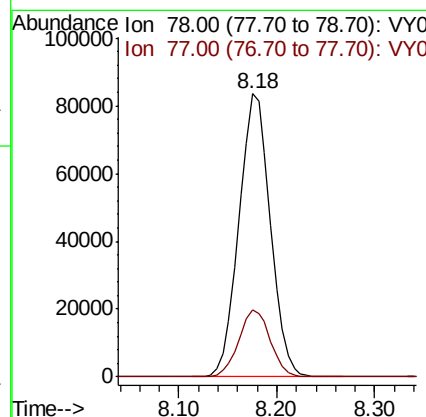
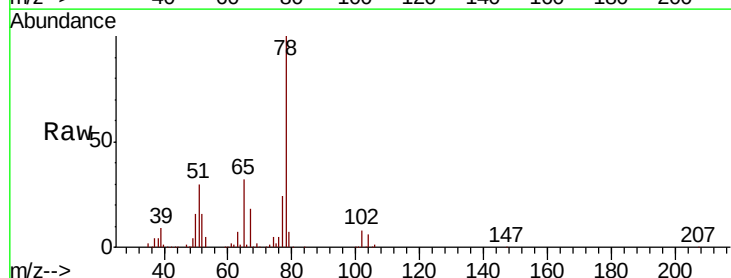
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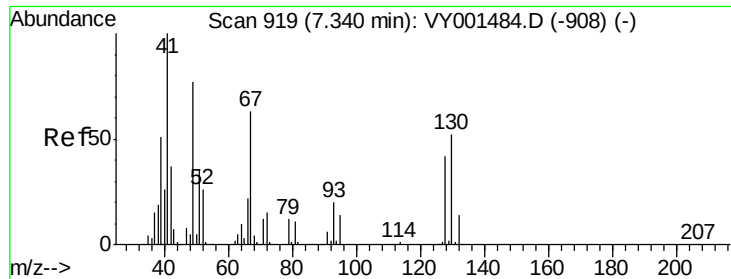
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#40
Benzene
Concen: 20.280 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.5	27.7





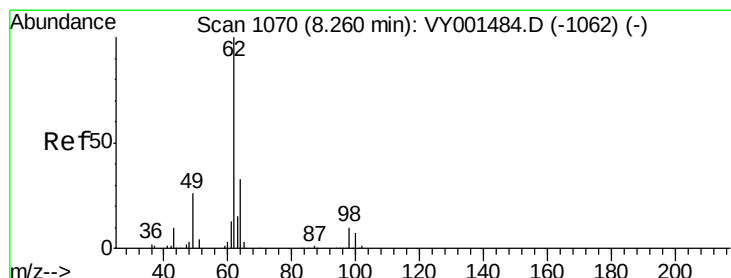
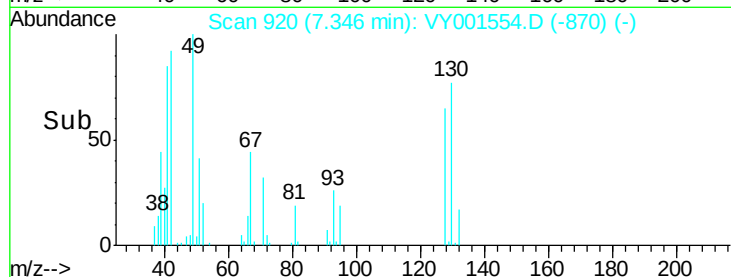
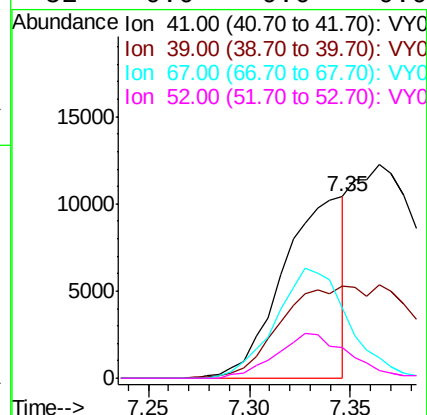
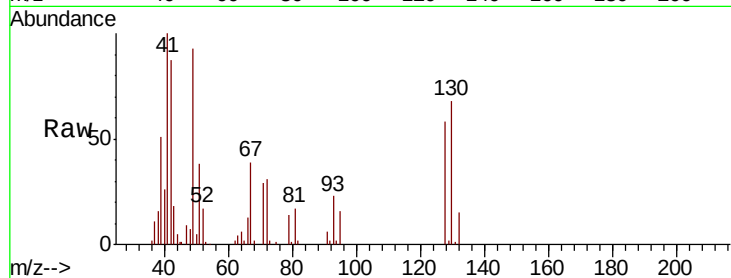
#41
Methacrylonitrile
Concen: 30.897 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.1	116.8	175.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

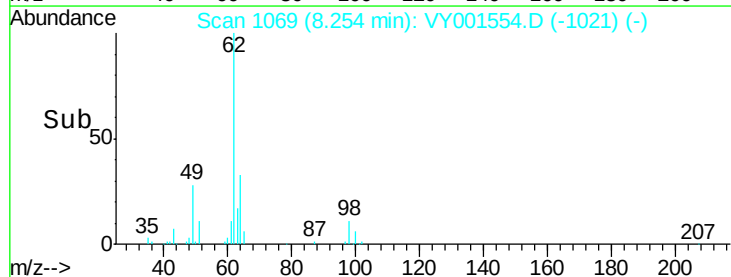
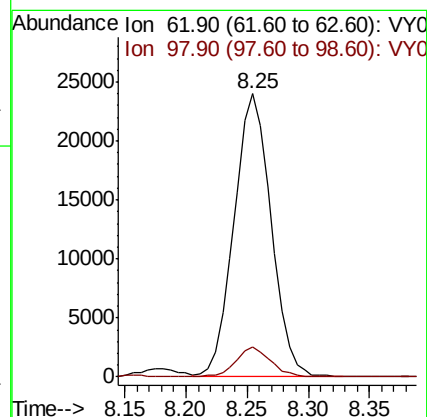
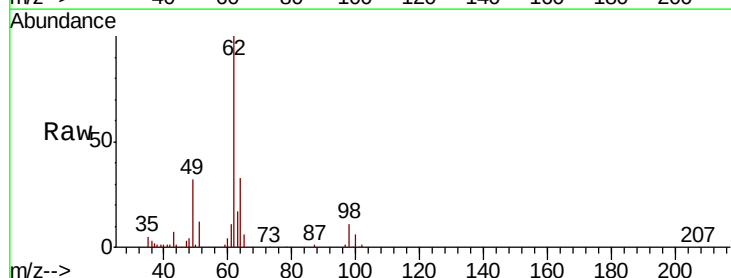
Manual Integrations
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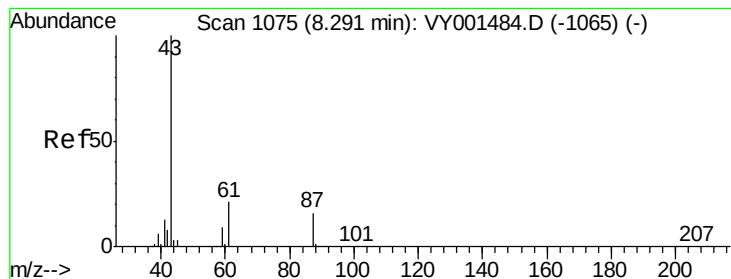
MMDadoda
2/10/2020 11:27:19 AM



#42
1,2-Dichloroethane
Concen: 19.769 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	21.0





#43

Isopropyl Acetate

Concen: 23.908 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

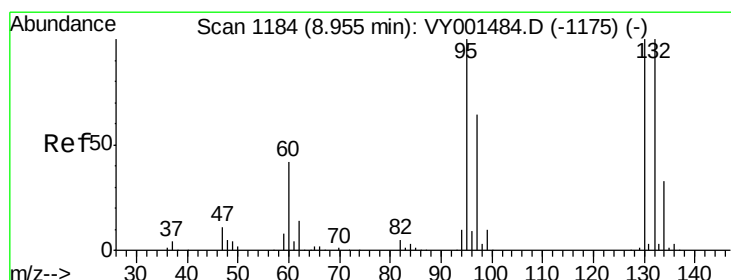
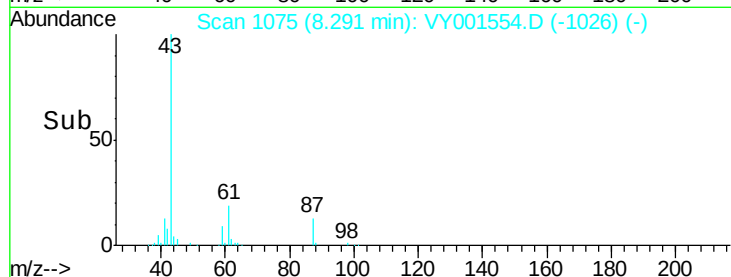
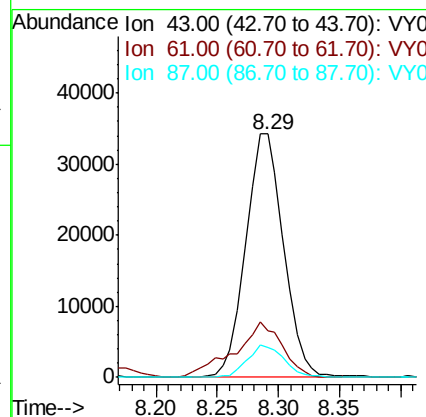
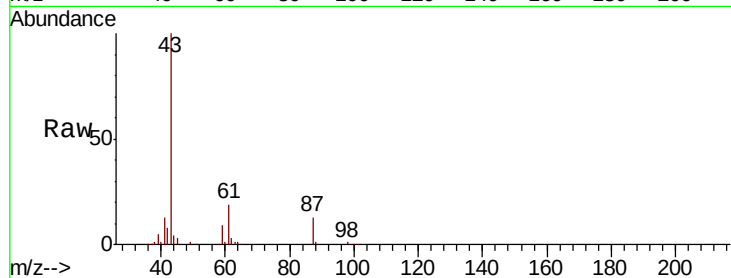
ClientSampleId :

VY0207SBS01

Tot Ion:	43	Resp:	73619
Ion	Ratio	Lower	Upper
43	100		
61	28.5	25.1	37.7
87	12.8	12.6	19.0

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#44

Trichloroethene

Concen: 19.363 ug/l

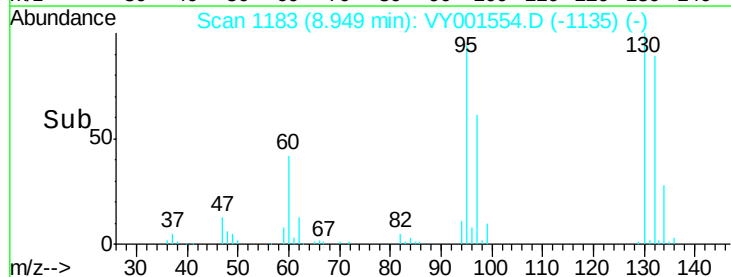
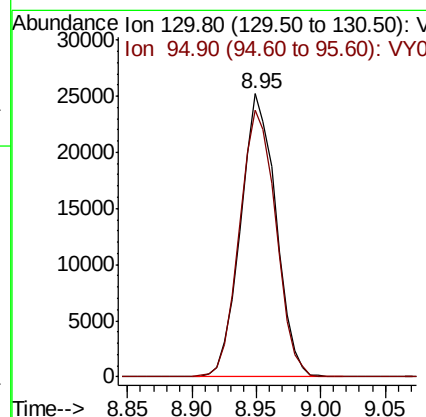
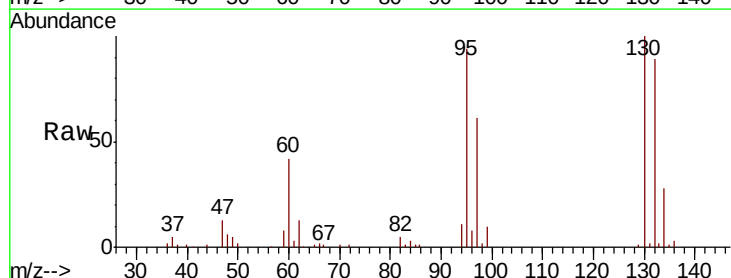
RT: 8.95 min Scan# 1183

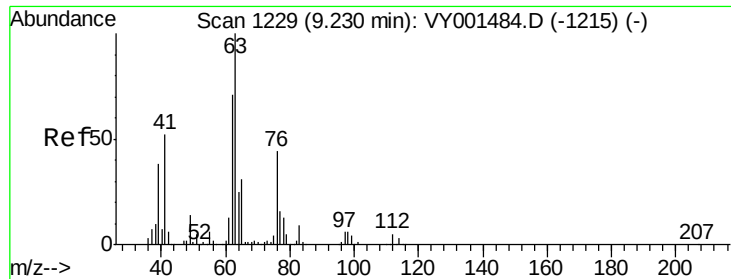
Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Tgt Ion:	130	Resp:	47827
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	199.2





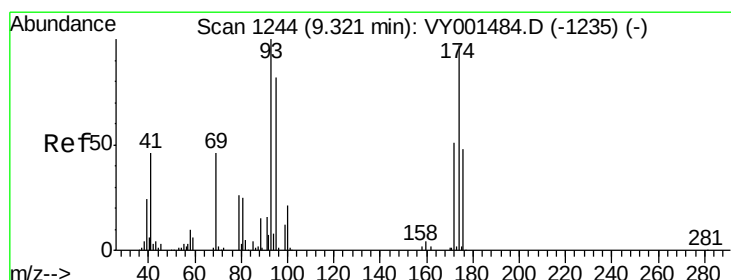
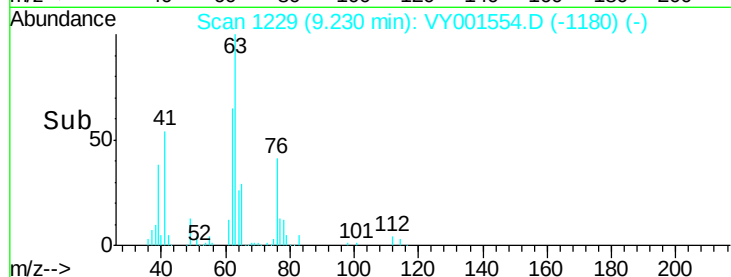
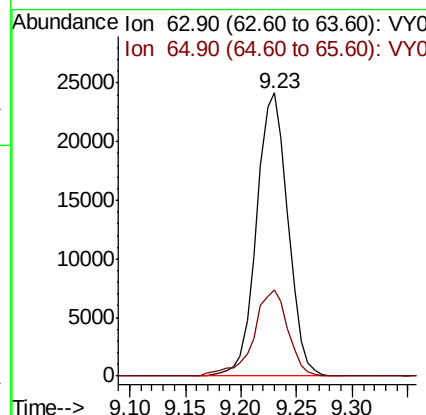
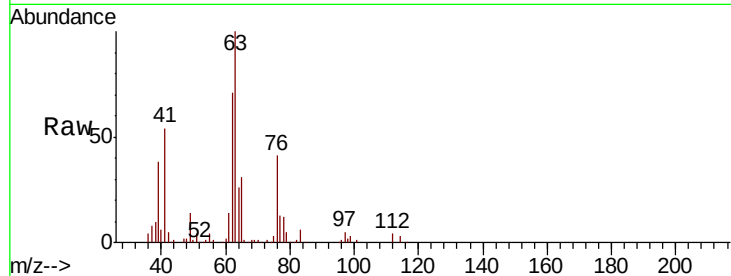
#45
 1,2-Dichloropropane
 Concen: 21.520 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion: 63 Resp: 47618
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.0 37.4

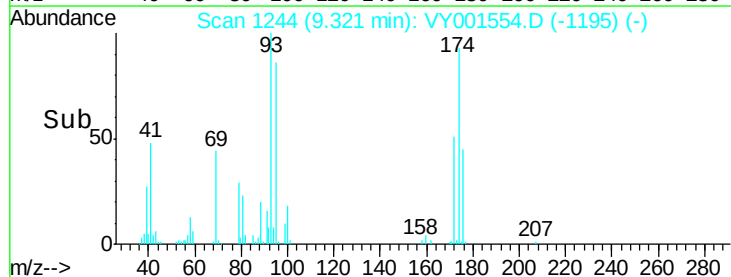
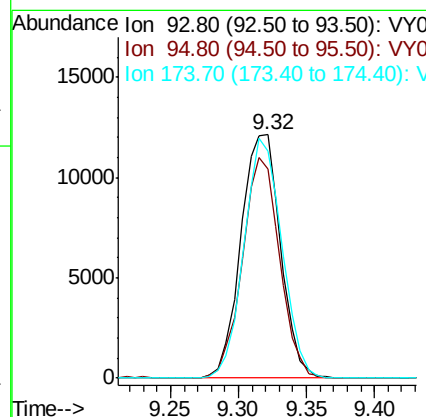
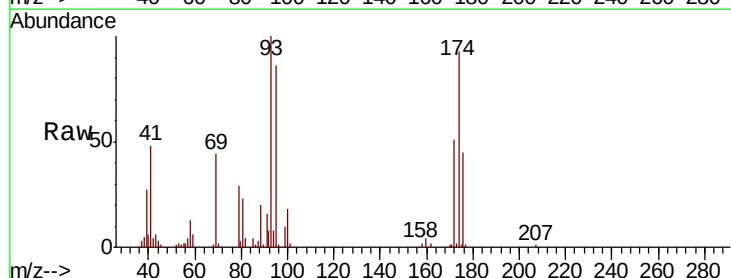
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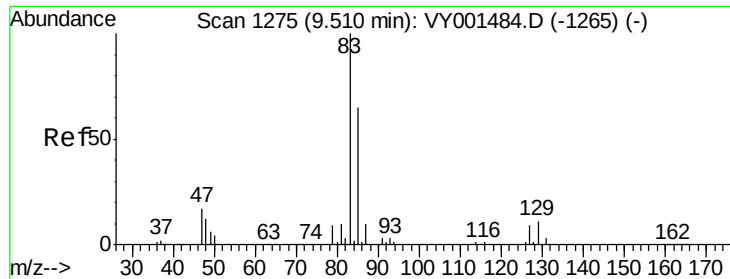
MMDadoda
 2/10/2020 11:27:19 AM



#46
 Dibromomethane
 Concen: 19.886 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion: 93 Resp: 24708
 Ion Ratio Lower Upper
 93 100
 95 85.0 66.6 99.8
 174 94.1 75.4 113.2





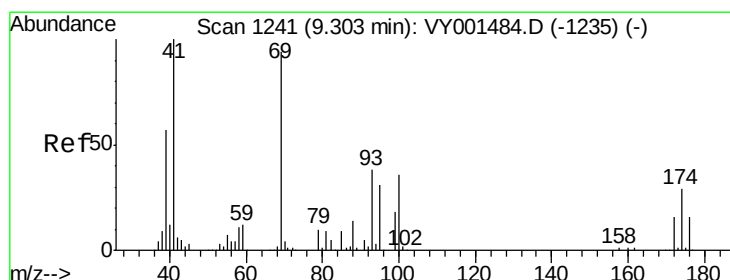
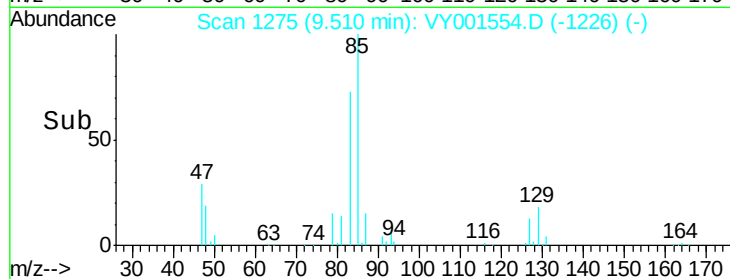
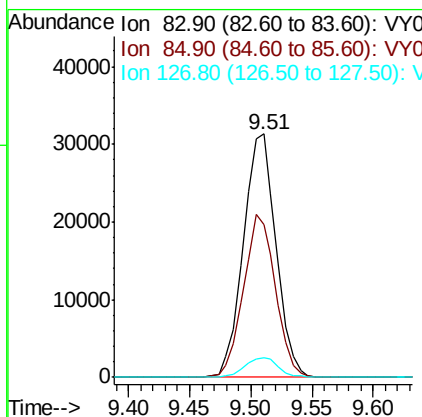
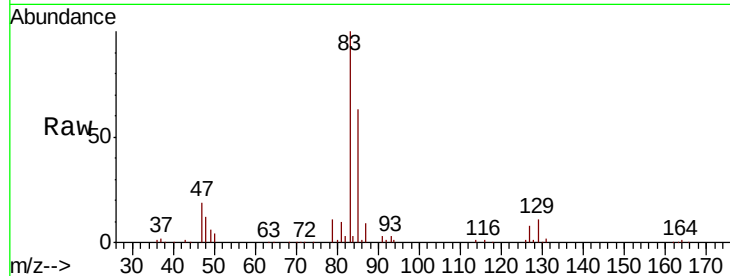
#47
Bromodichloromethane
Concen: 19.155 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	57991		
85	63.0		51.9	77.9
127	8.1		6.9	10.3

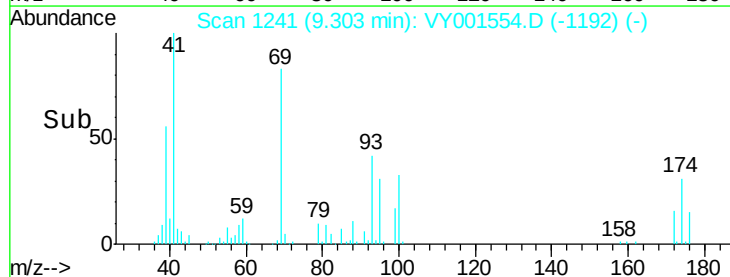
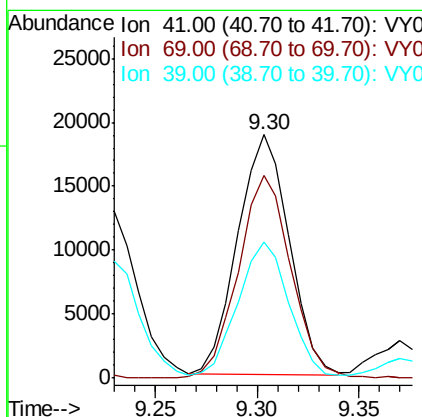
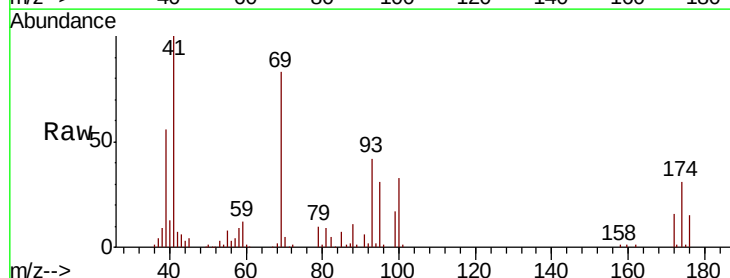
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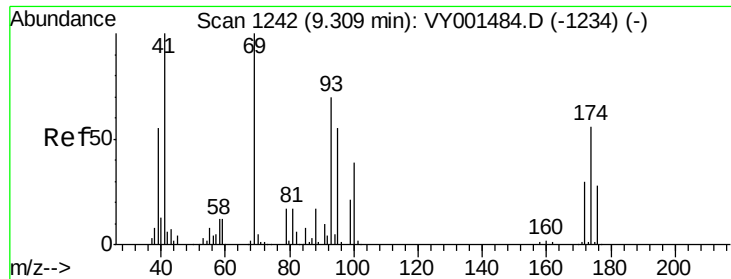
MMDadoda
2/10/2020 11:27:19 AM



#48
Methyl methacrylate
Concen: 23.592 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	32972		
69	86.1		76.6	114.8
39	57.2		45.4	68.0





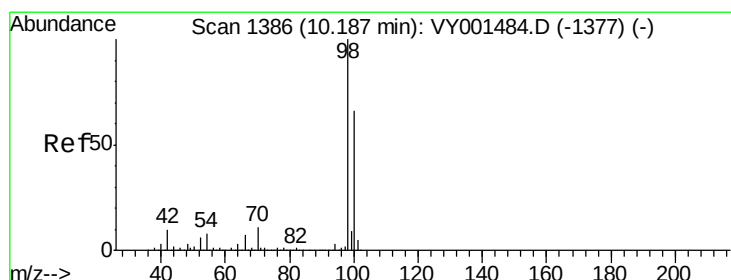
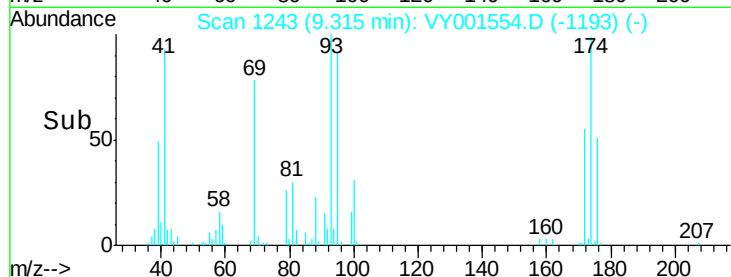
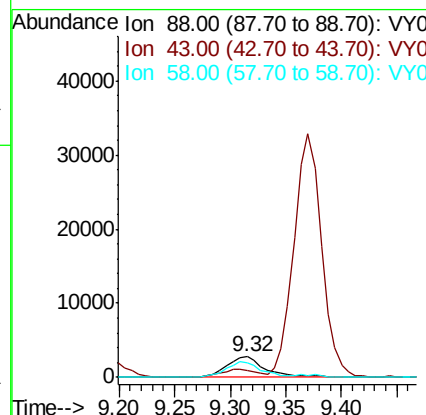
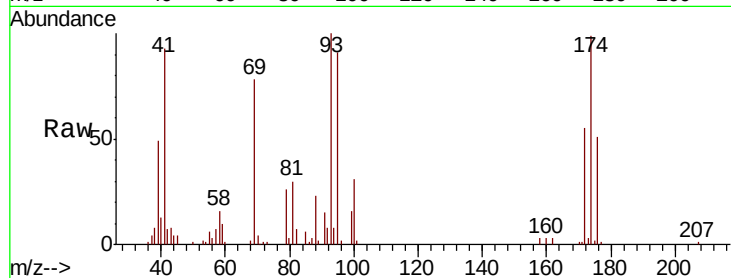
#49
 1,4-Dioxane
 Concen: 411.964 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.01 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	88	Resp	6760
Ion	Ratio	Lower	Upper
88	100		
43	39.0	24.8	37.2#
58	70.3	59.3	88.9

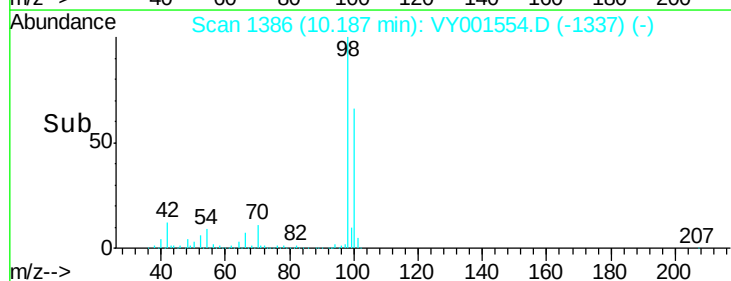
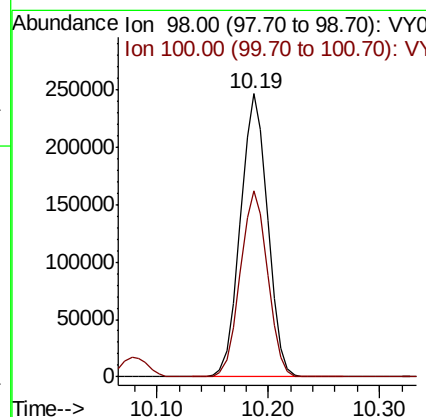
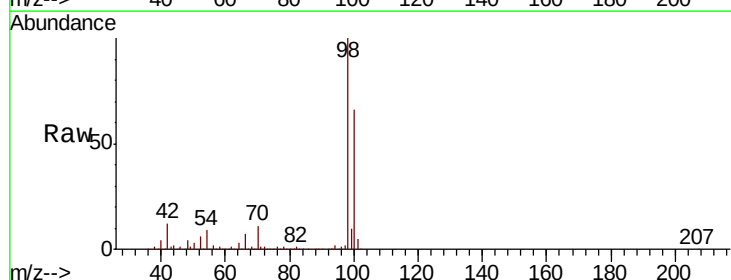
Manual Integrations
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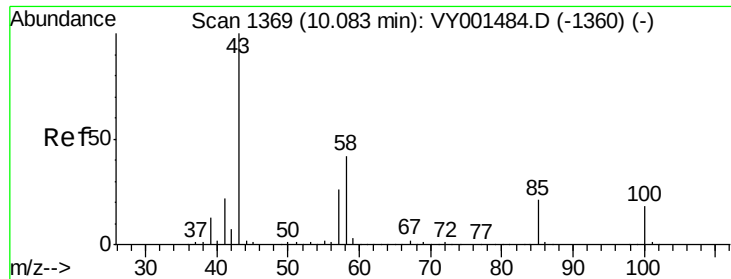
MMDadoda
 2/10/2020 11:27:19 AM



#50
 Toluene-d8
 Concen: 54.308 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion	98	Resp	416091
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 127.408 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 43 Resp: 193207

Ion Ratio Lower Upper

43 100

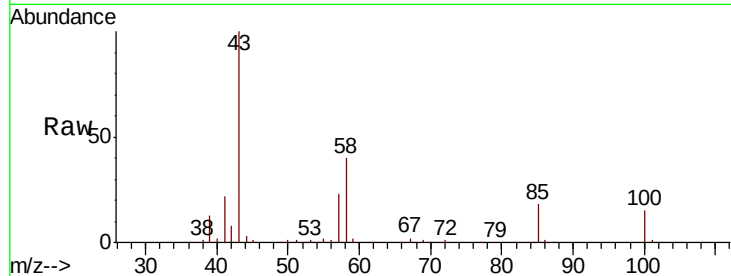
58 39.6 33.9 50.9

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

10.08

120000

100000

80000

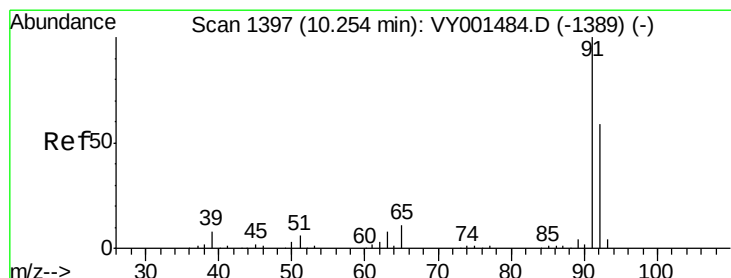
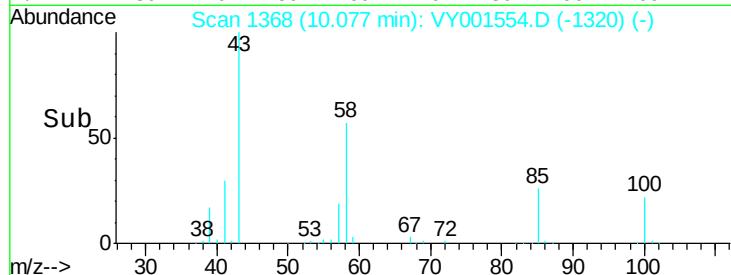
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.125 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001554.D

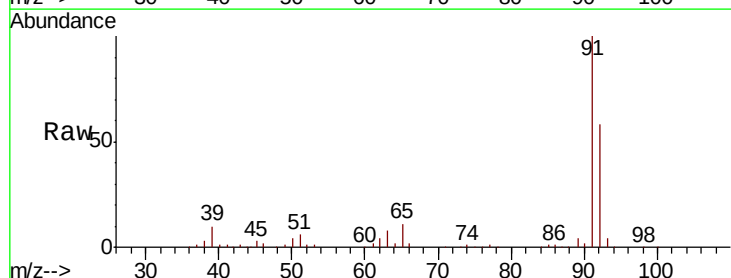
Acq: 07 Feb 2020 15:15

Tgt Ion: 92 Resp: 117013

Ion Ratio Lower Upper

92 100

91 171.4 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0

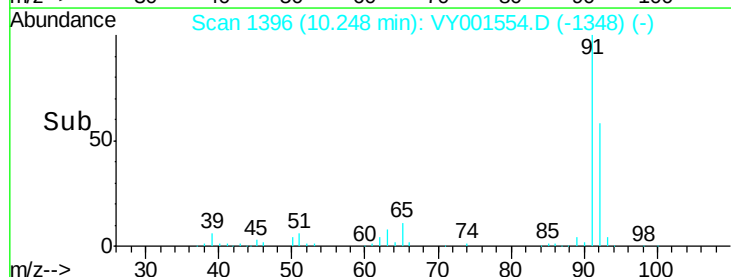
10.25

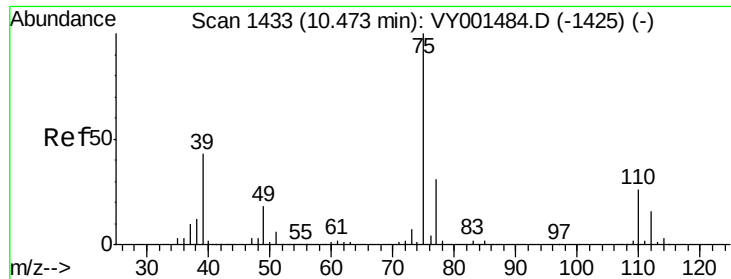
100000

50000

0

Time-->





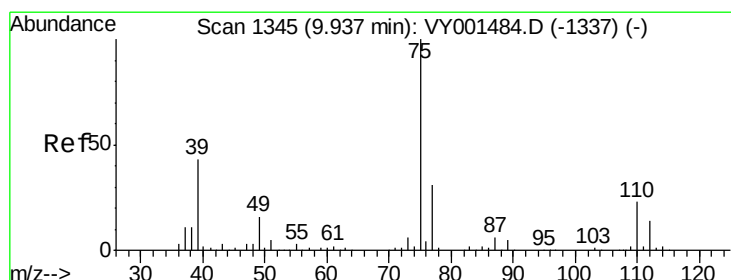
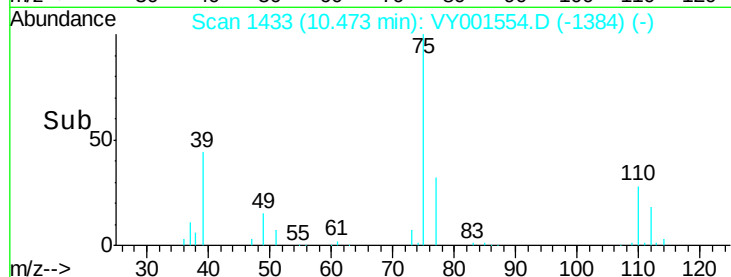
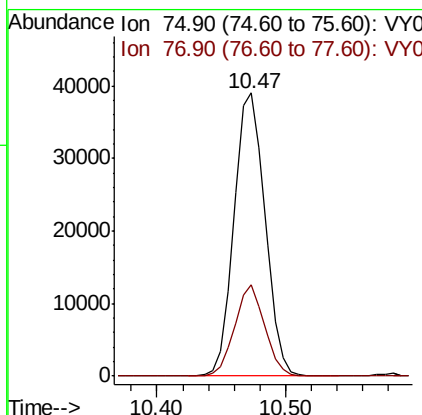
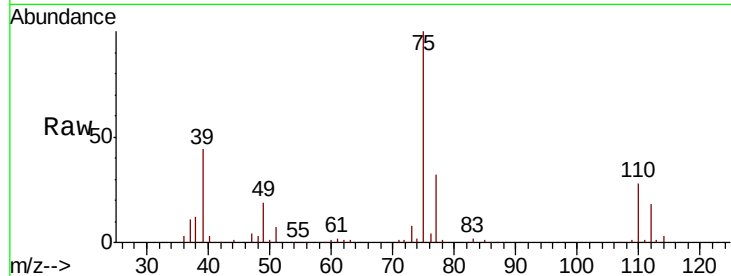
#53
t-1,3-Dichloropropene
Concen: 19.783 ug/l
RT: 10.47 min Scan# 1433
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 75 Resp: 65231
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3

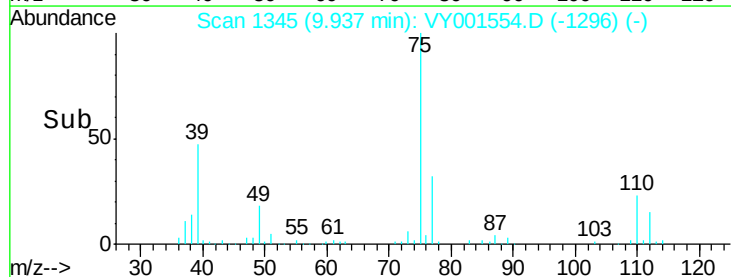
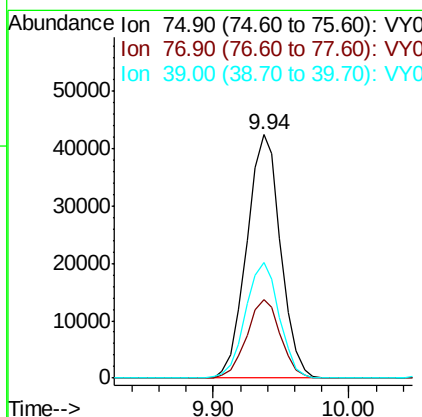
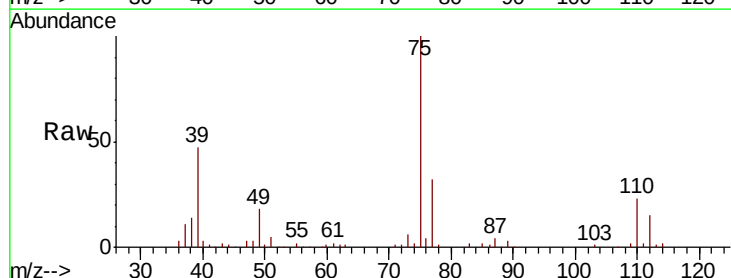
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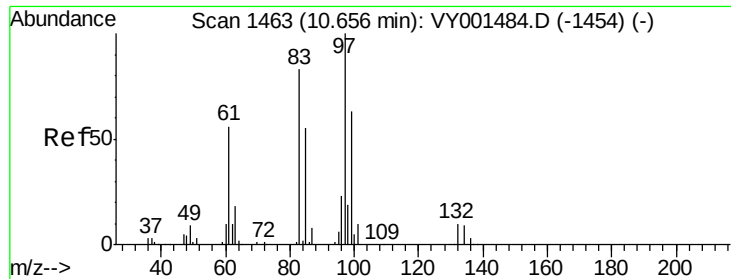
MMDadoda
2/10/2020 11:27:19 AM



#54
cis-1,3-Dichloropropene
Concen: 19.542 ug/l
RT: 9.94 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion: 75 Resp: 73978
Ion Ratio Lower Upper
75 100
77 32.0 24.7 37.1
39 47.3 34.0 51.0





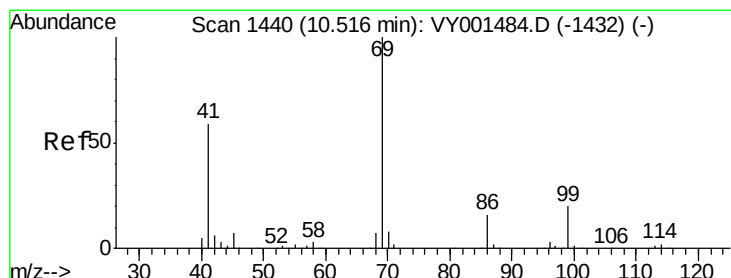
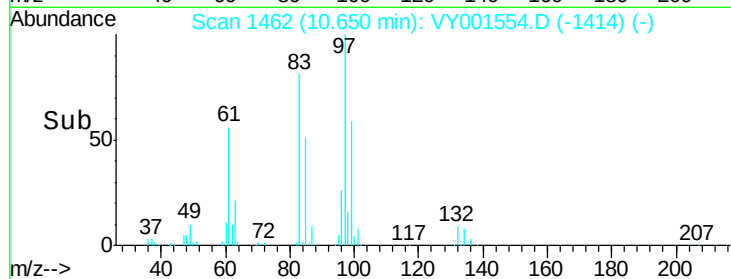
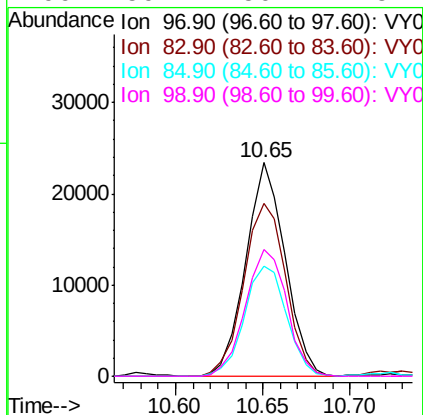
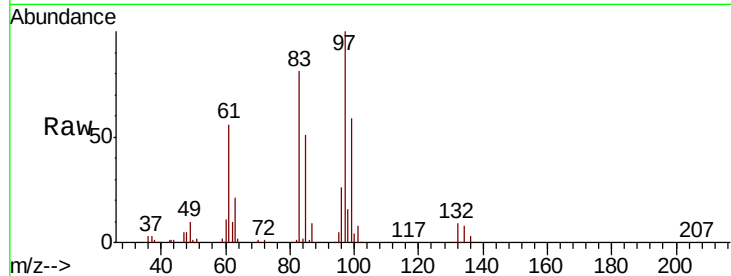
#55
 1,1,2-Trichloroethane
 Concen: 20.737 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.01 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion:	97	Resp:	36968
Ion	Ratio	Lower	Upper
97	100		
83	81.2	66.2	99.2
85	51.3	43.8	65.6
99	59.1	50.1	75.1

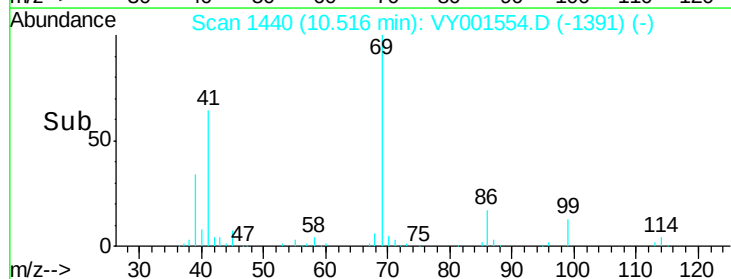
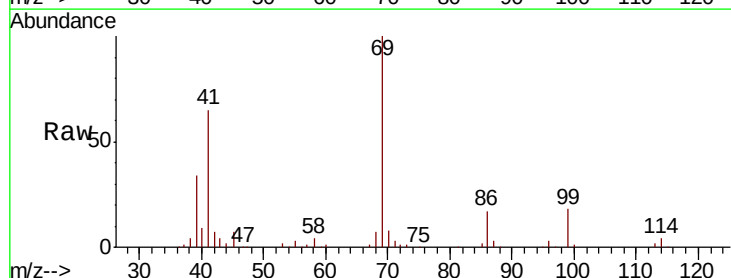
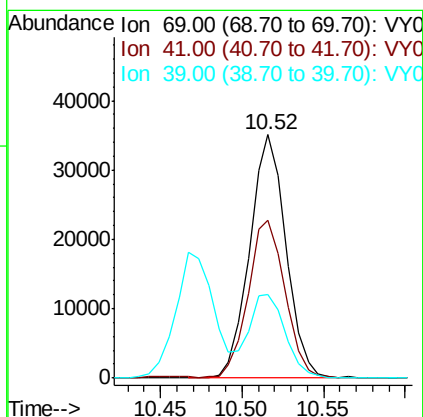
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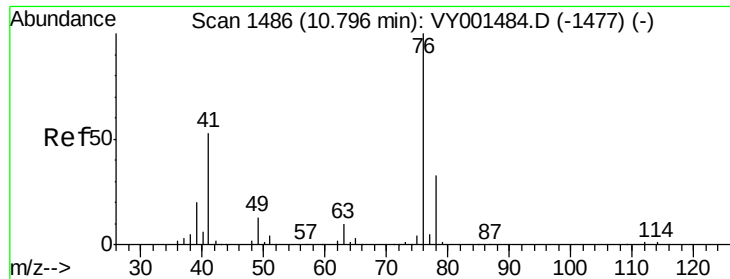
MMDadoda
 2/10/2020 11:27:19 AM



#56
 Ethyl methacrylate
 Concen: 21.350 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion:	69	Resp:	54135
Ion	Ratio	Lower	Upper
69	100		
41	65.9	47.8	71.8
39	35.4	24.4	36.6





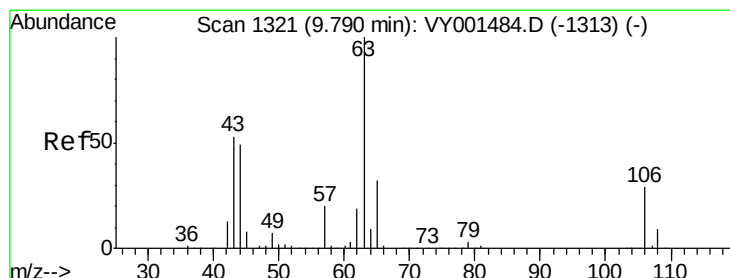
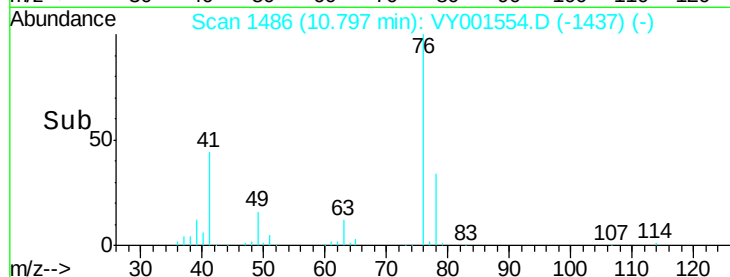
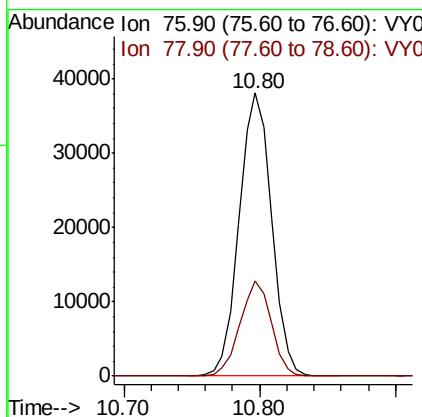
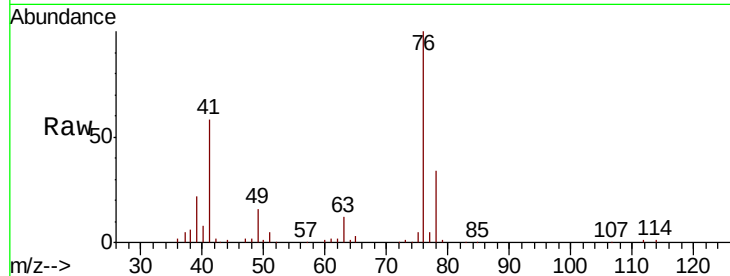
#57
 1,3-Dichloropropane
 Concen: 20.161 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion: 76 Resp: 63356
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.7 38.5

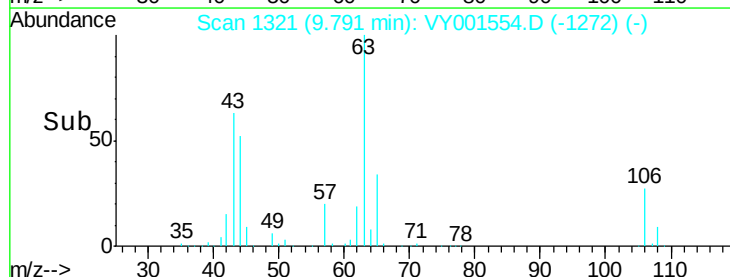
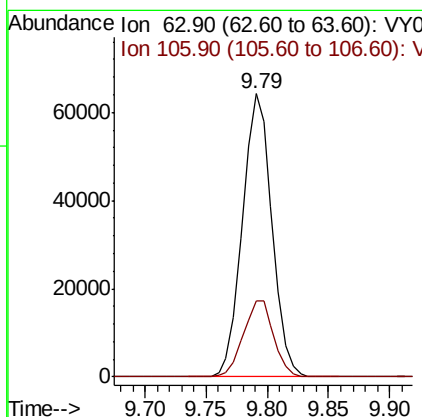
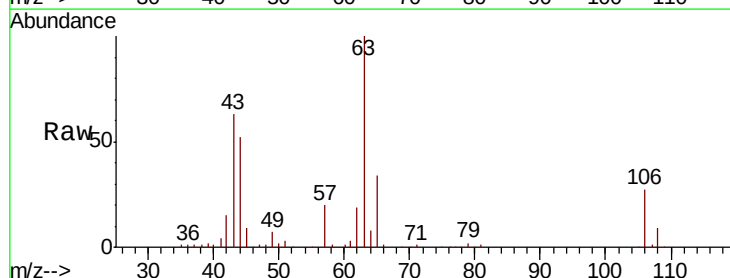
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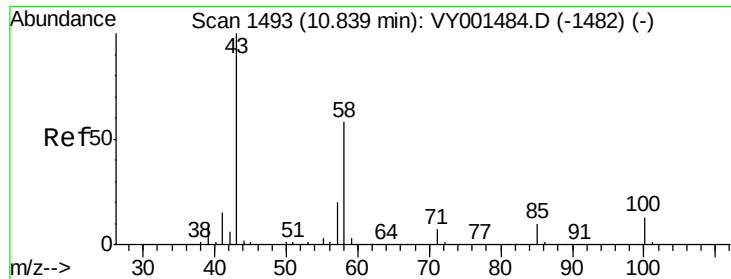
MMDadoda
 2/10/2020 11:27:19 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.185 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion: 63 Resp: 107442
 Ion Ratio Lower Upper
 63 100
 106 27.7 24.0 36.0





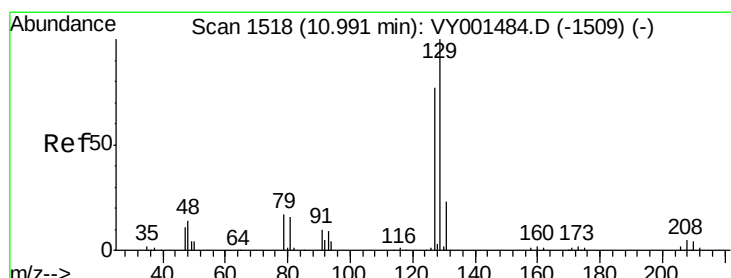
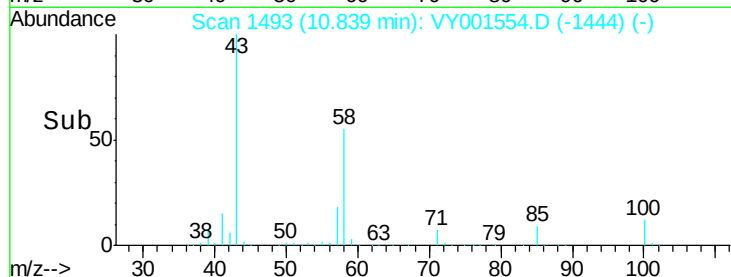
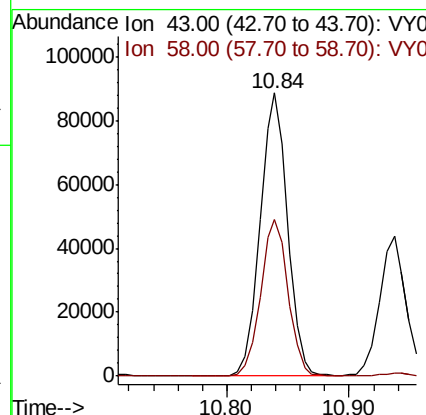
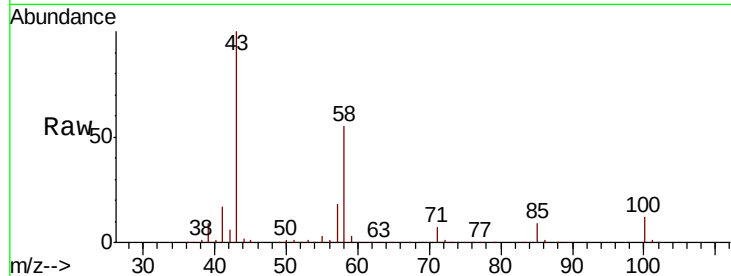
#59
2-Hexanone
Concen: 125.520 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 43 Resp: 138396
Ion Ratio Lower Upper
43 100
58 55.3 29.0 87.0

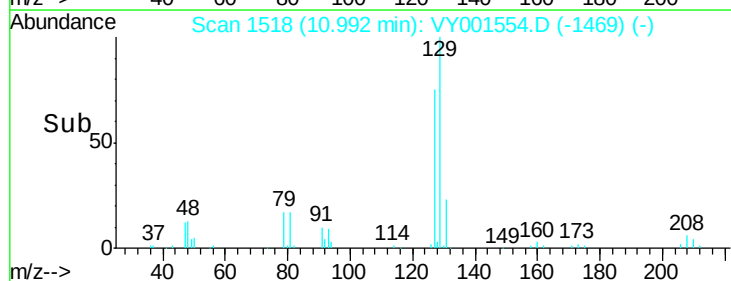
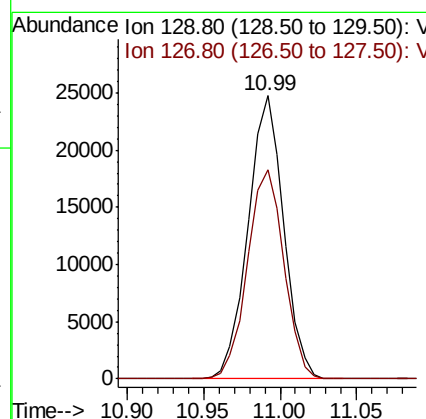
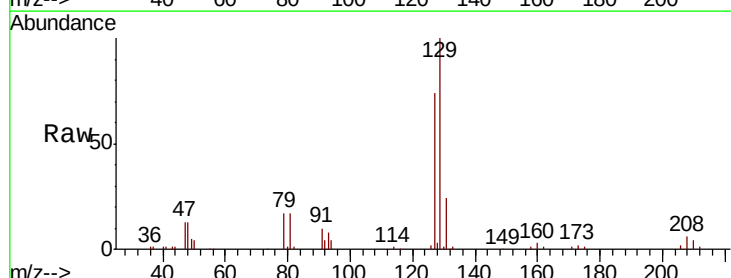
Manual Integrations
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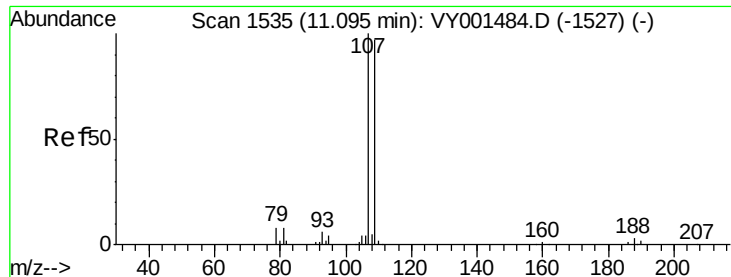
MMDadoda
2/10/2020 11:27:19 AM



#60
Dibromochloromethane
Concen: 19.022 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion:129 Resp: 39971
Ion Ratio Lower Upper
129 100
127 76.0 38.9 116.6





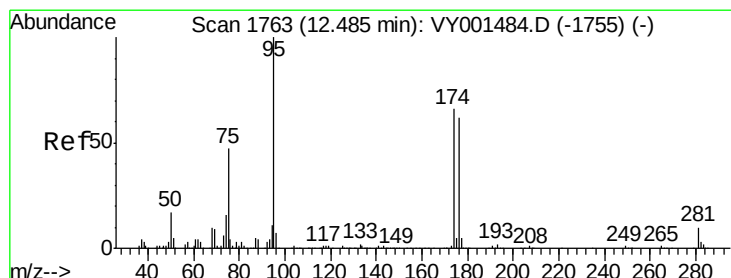
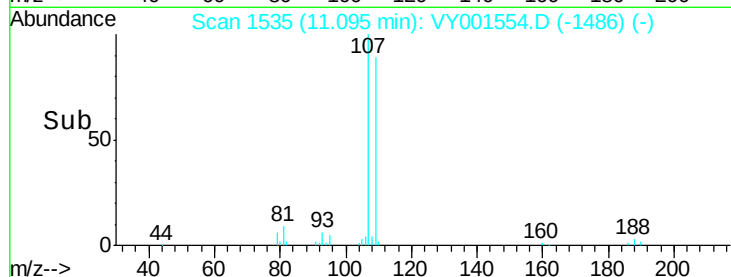
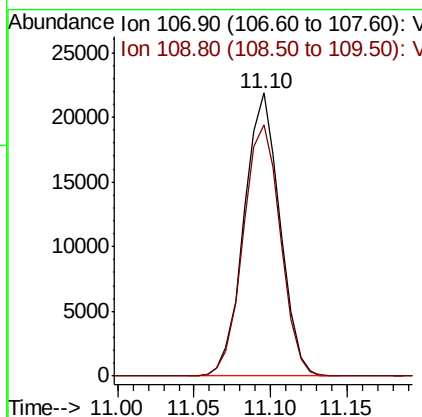
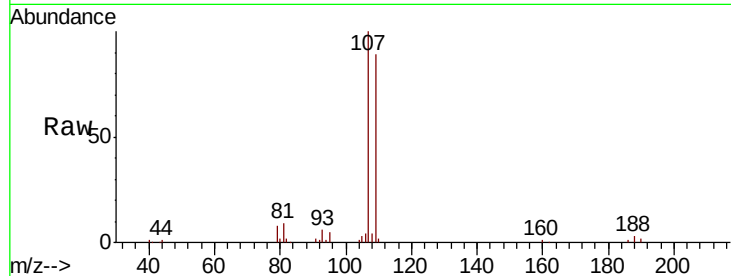
#61
 1,2-Dibromoethane
 Concen: 20.275 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	76.2	114.2

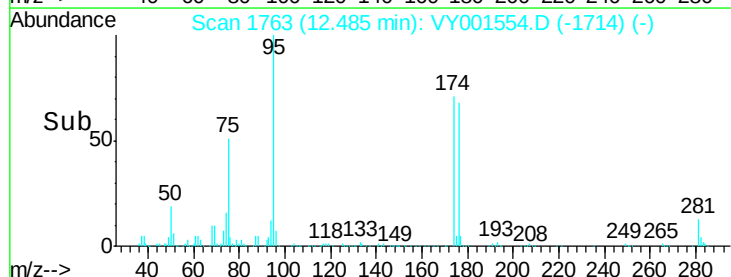
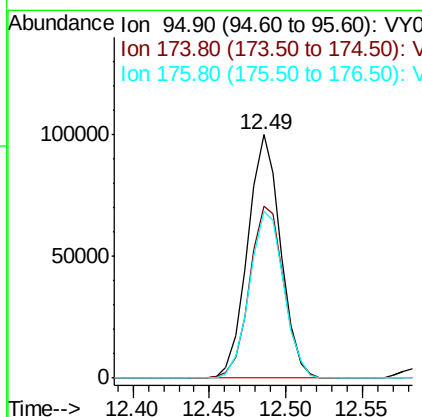
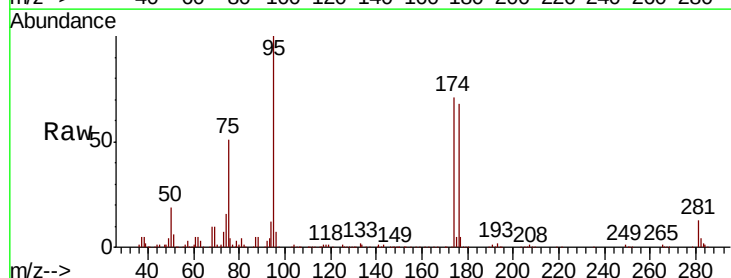
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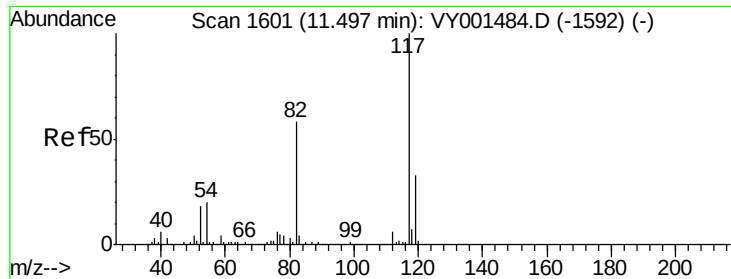
MMDadoda
 2/10/2020 11:27:19 AM



#62
 4-Bromofluorobenzene
 Concen: 49.547 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	141.4
176	71.3	0.0	135.4





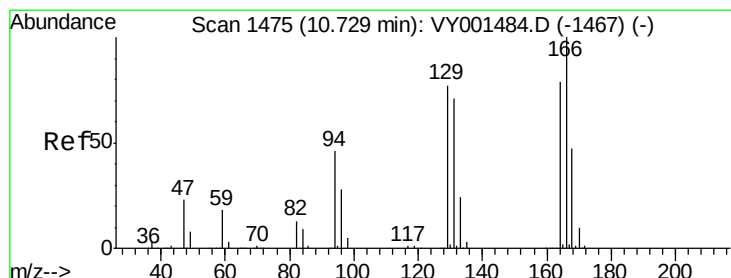
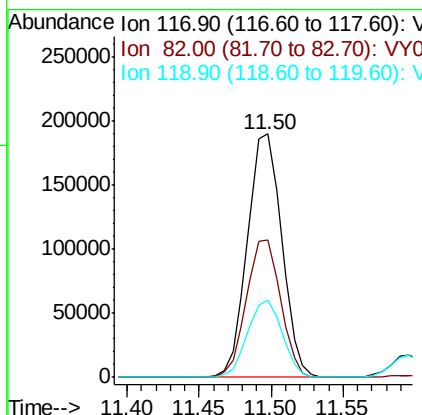
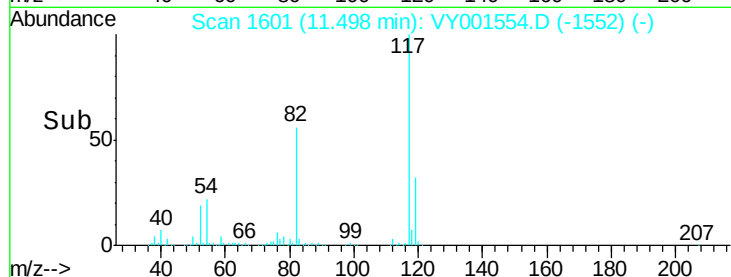
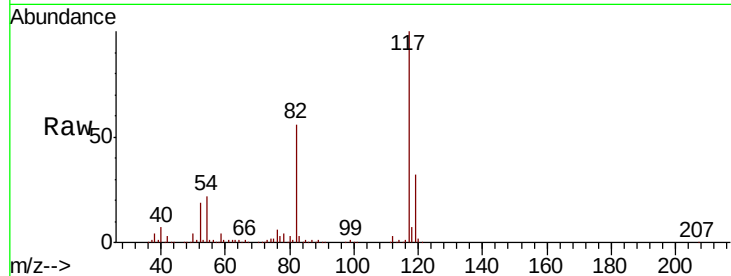
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	313715		
82	56.3	46.1	69.1	
119	31.9	26.1	39.1	

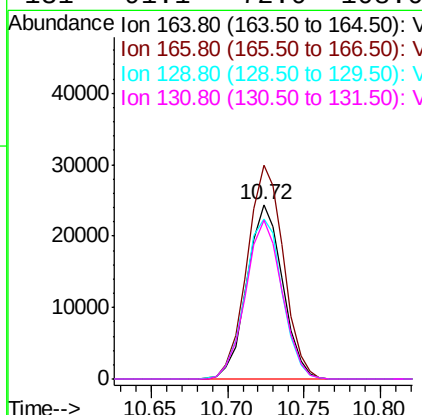
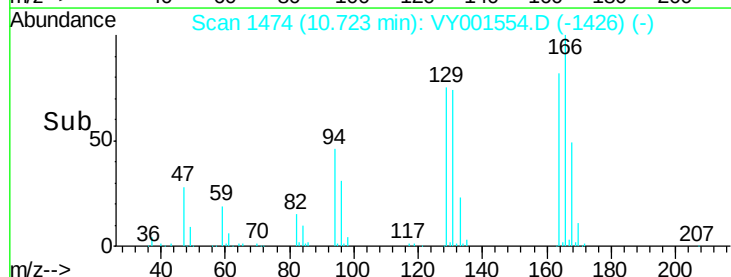
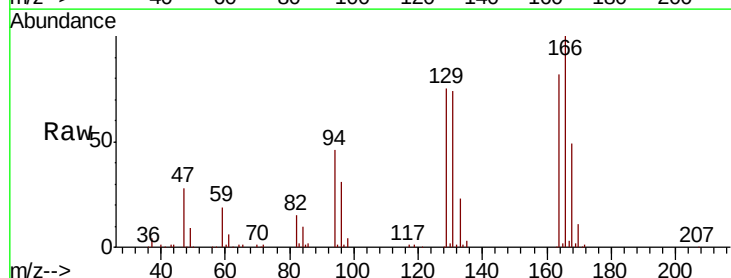
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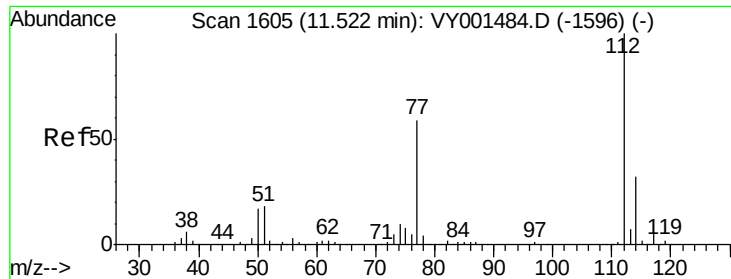
MMDadoda
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#64
Tetrachloroethene
Concen: 19.124 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39345		
166	122.6	100.8	151.2	
129	91.8	77.8	116.6	
131	91.1	72.0	108.0	





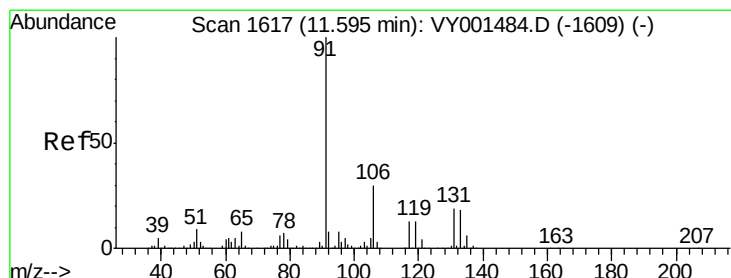
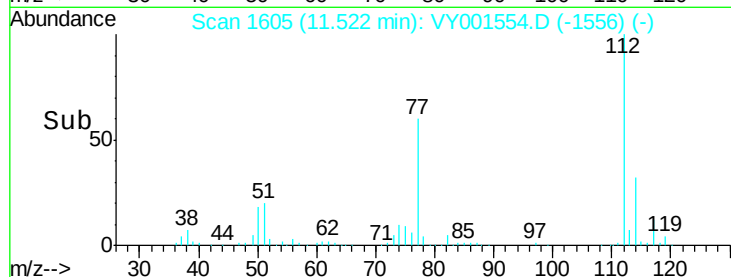
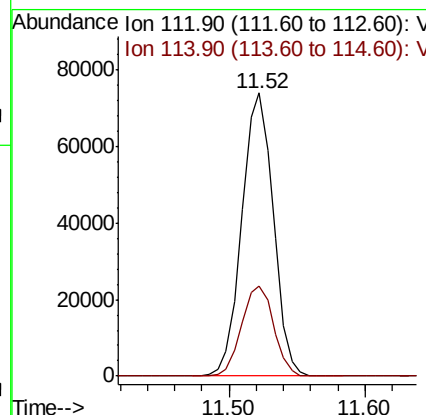
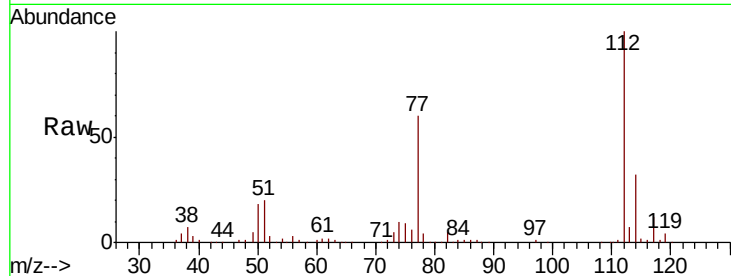
#65
Chlorobenzene
Concen: 19.431 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion:112 Resp: 119693
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

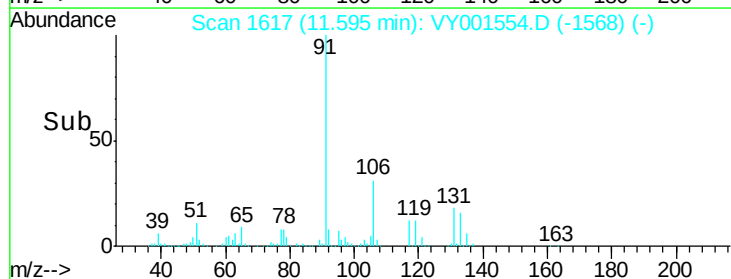
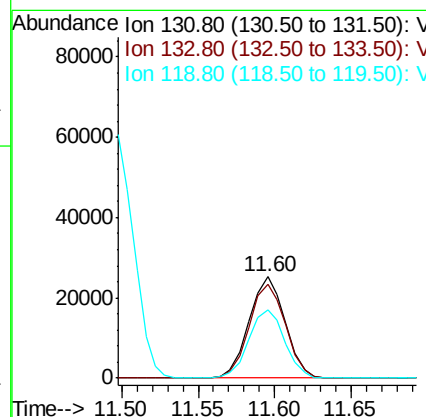
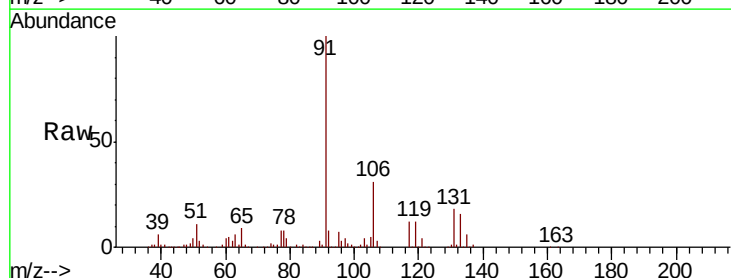
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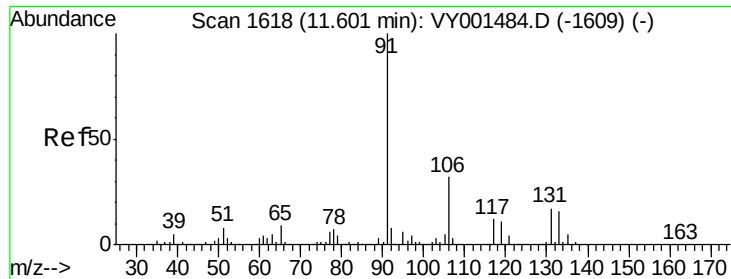
MMDadoda
2/10/2020 11:27:19 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.128 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion:131 Resp: 41237
Ion Ratio Lower Upper
131 100
133 93.5 47.9 143.8
119 67.5 33.7 101.0





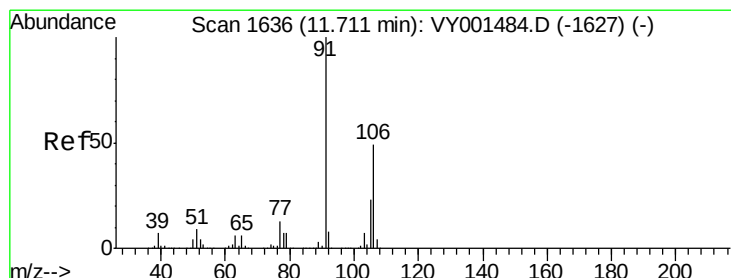
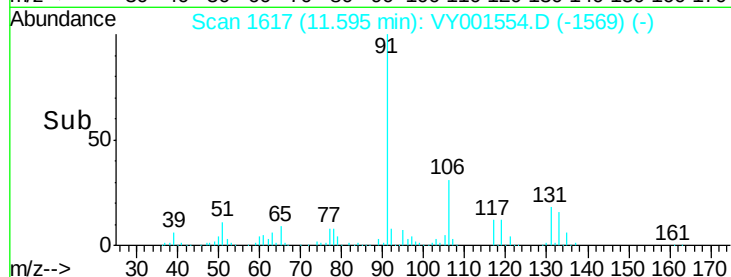
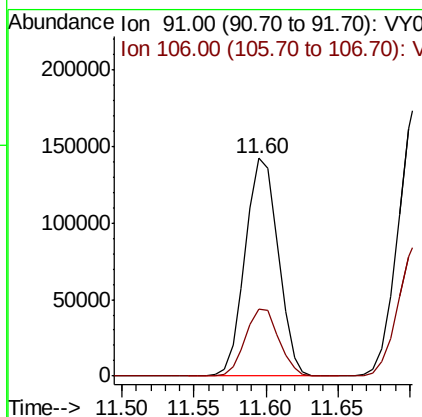
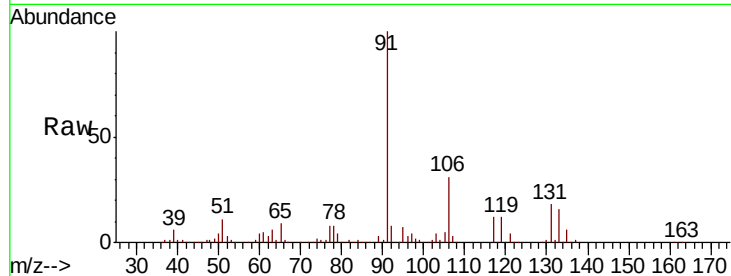
#67
Ethyl Benzene
Concen: 19.824 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 91 Resp: 225779
Ion Ratio Lower Upper
91 100
106 31.0 25.3 37.9

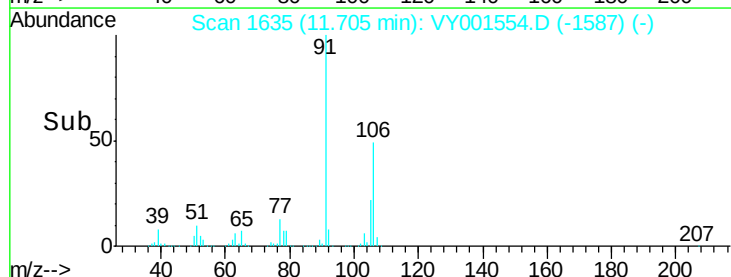
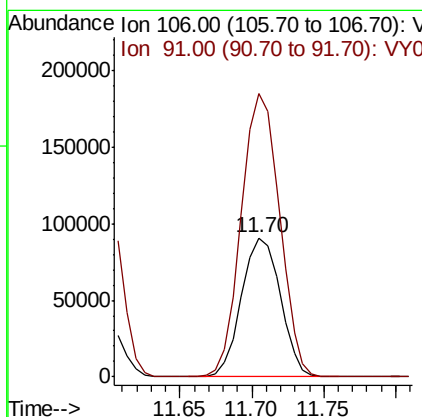
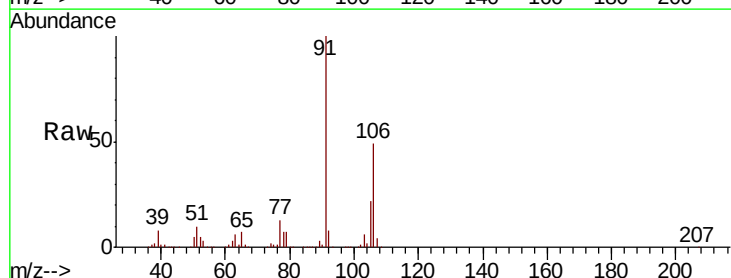
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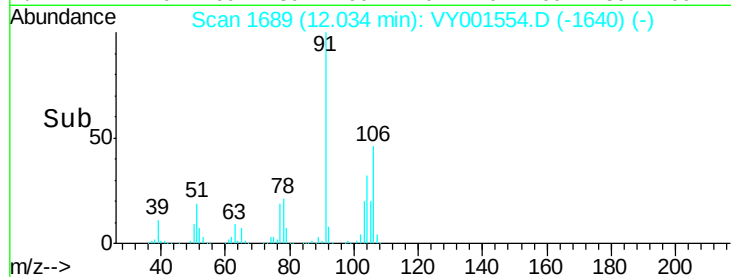
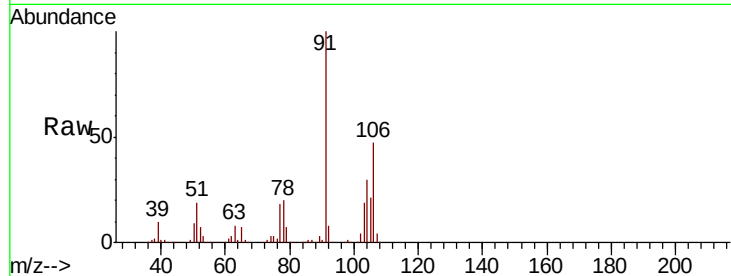
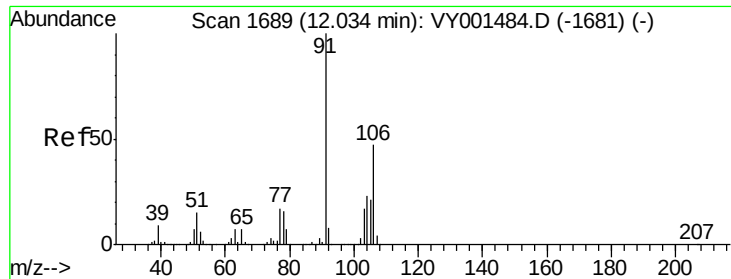
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#68
m/p-Xylenes
Concen: 39.672 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion: 106 Resp: 169622
Ion Ratio Lower Upper
106 100
91 202.0 163.6 245.4





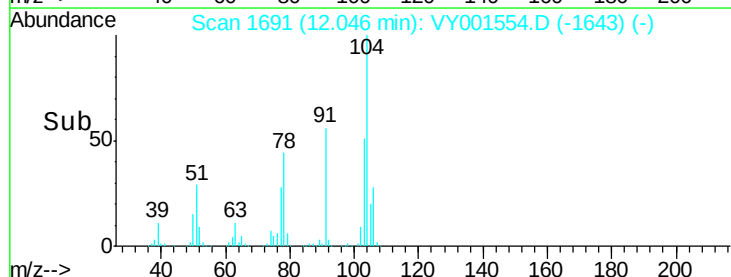
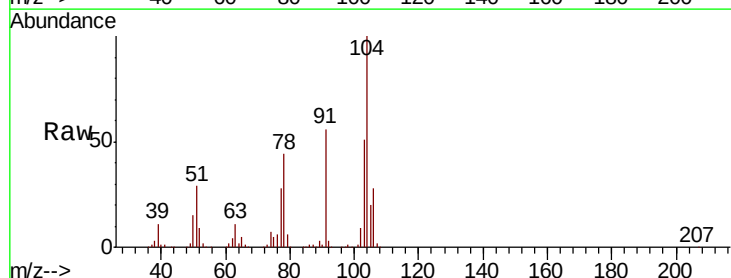
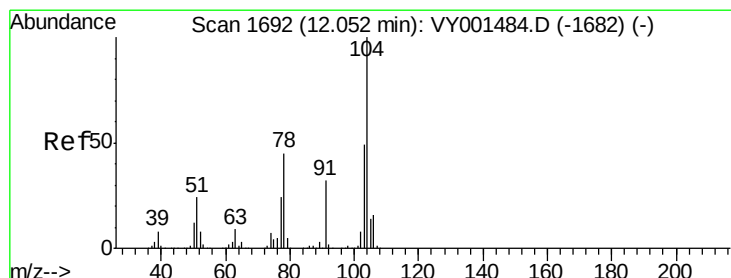
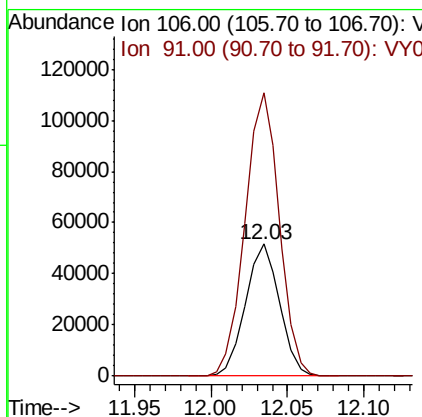
#69
o-Xylene
Concen: 19.860 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tot Ion:106 Resp: 80060
Ion Ratio Lower Upper
106 100
91 215.1 106.0 318.0

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

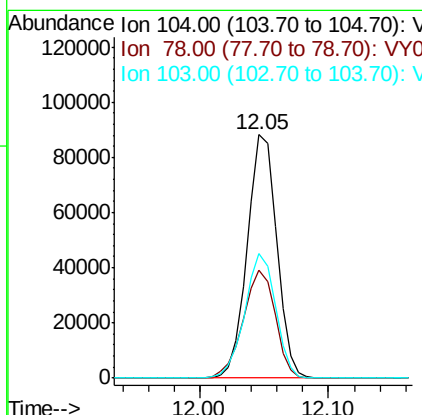
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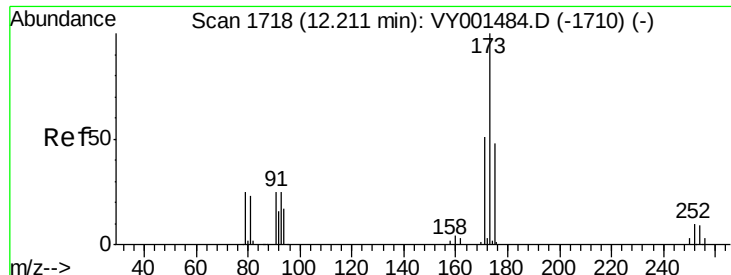
MMDadoda
2/10/2020 11:27:19 AM



#70
Styrene
Concen: 19.960 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion:104 Resp: 139150
Ion Ratio Lower Upper
104 100
78 48.4 40.4 60.6
103 53.6 42.8 64.2





#71

Bromoform

Concen: 20.183 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion:173 Resp: 24229

Ion Ratio Lower Upper

173 100

175 46.6 24.0 72.0

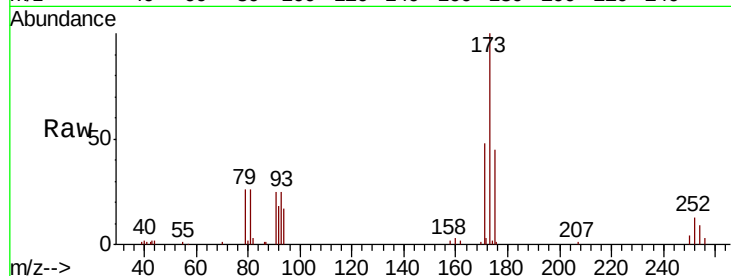
254 0.0 0.1 0.1#

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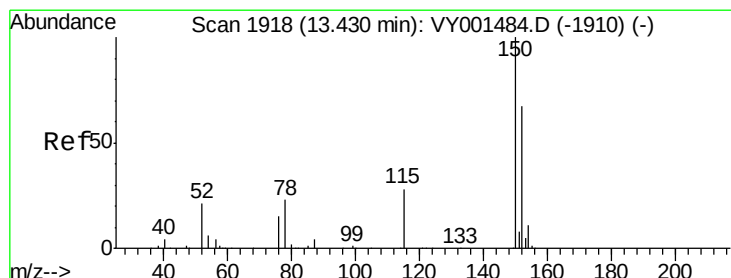
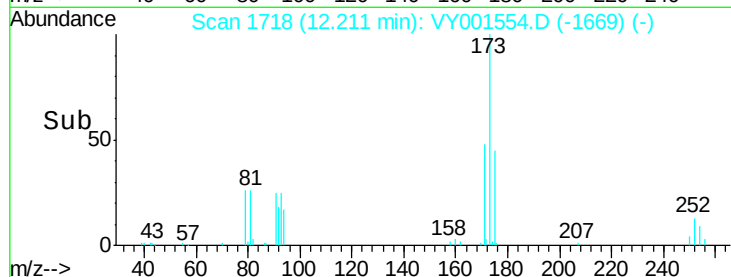
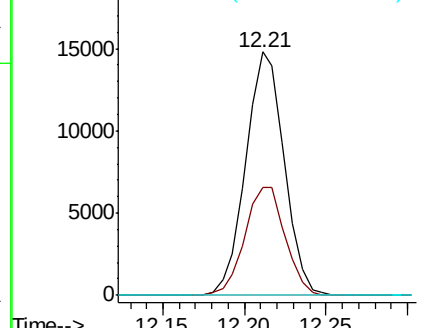
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

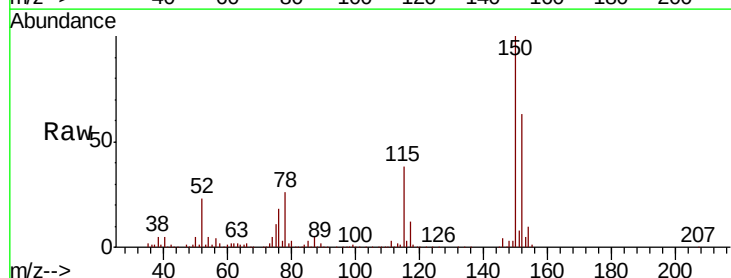
Tgt Ion:152 Resp: 147641

Ion Ratio Lower Upper

152 100

115 61.1 31.4 94.3

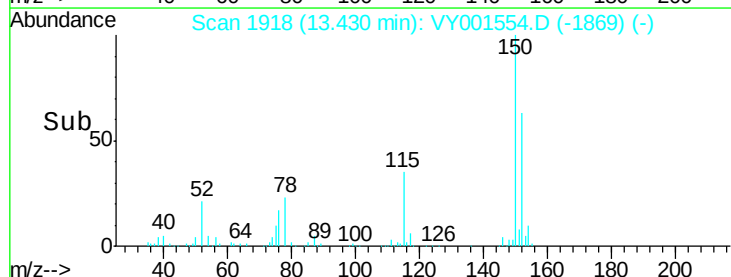
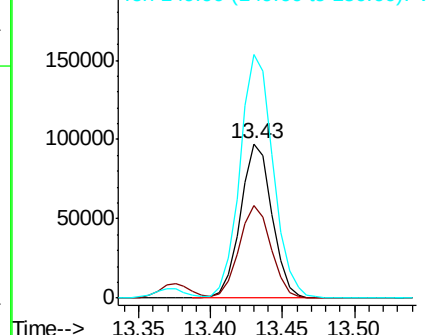
150 166.7 0.0 346.8

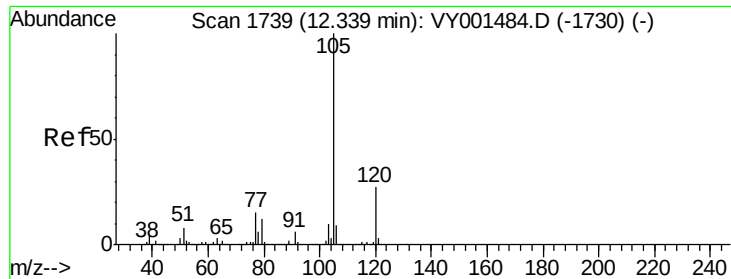


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





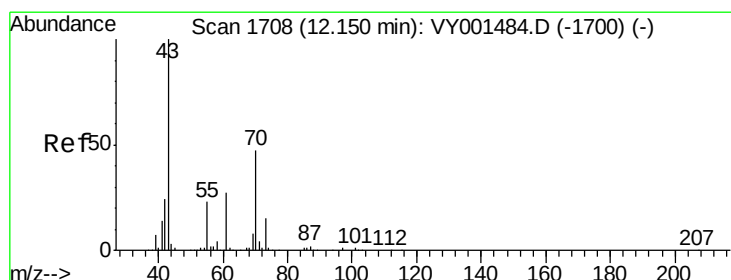
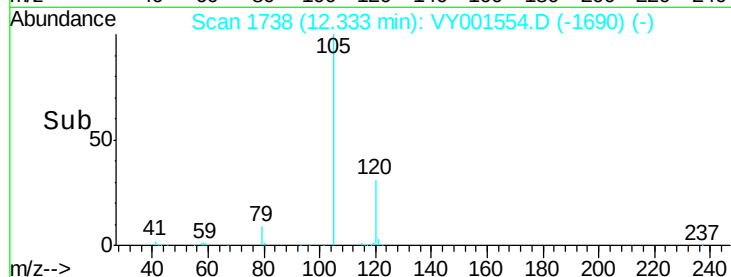
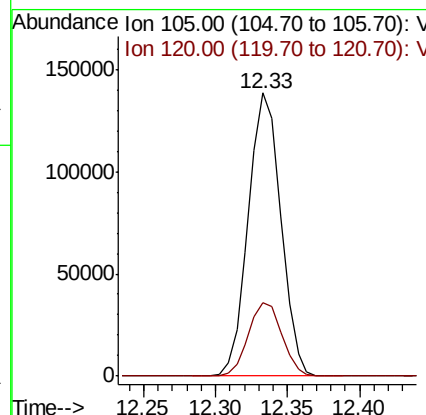
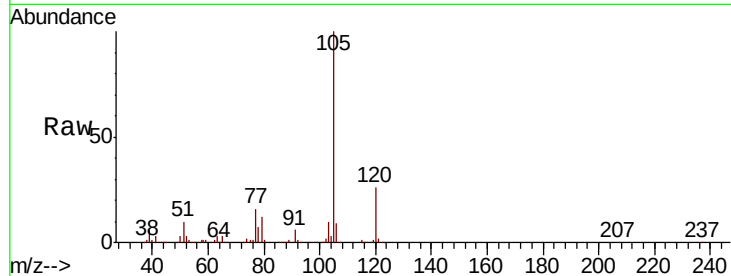
#73
Isopropylbenzene
Concen: 19.223 ug/l
RT: 12.33 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	216453		
120	26.6		13.3	39.9

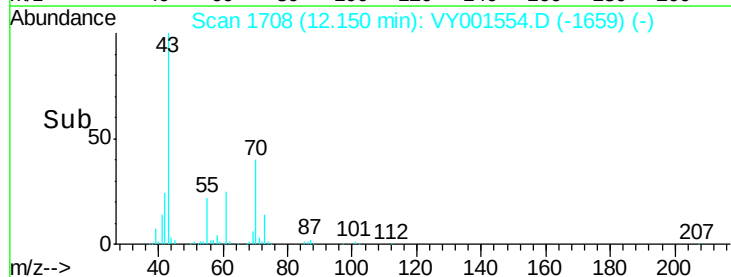
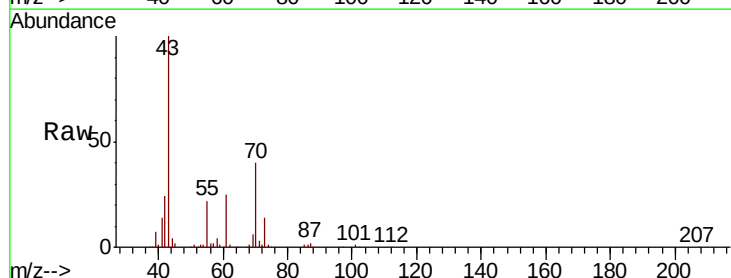
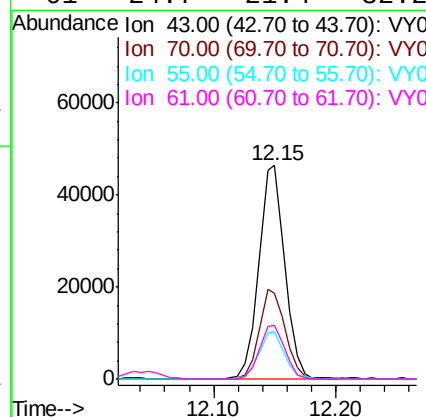
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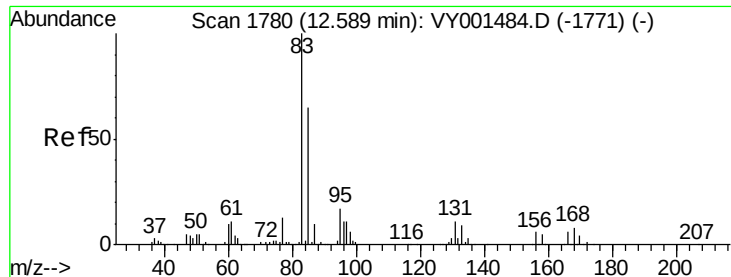
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#74
N-ethyl acetate
Concen: 23.566 ug/l
RT: 12.15 min Scan# 1708
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	68954		
70	41.9		37.2	55.8
55	22.0		18.8	28.2
61	24.7		21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.234 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

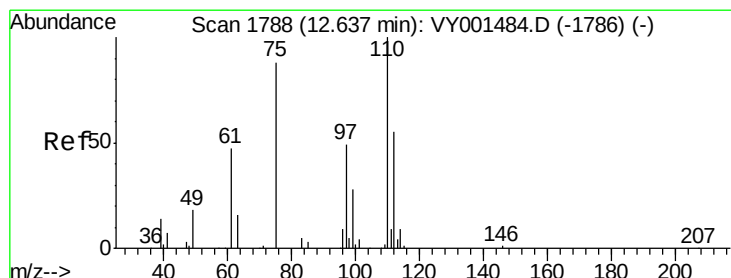
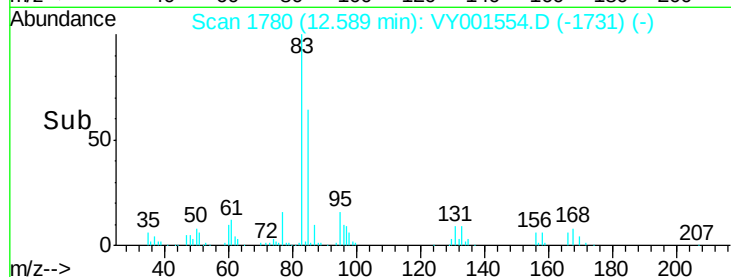
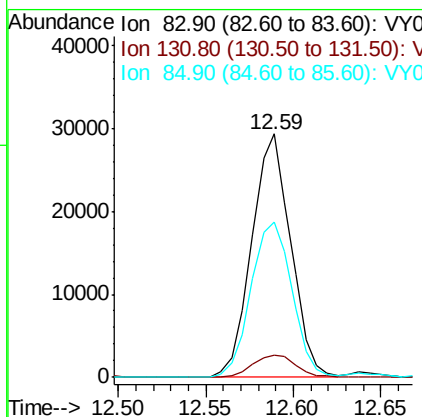
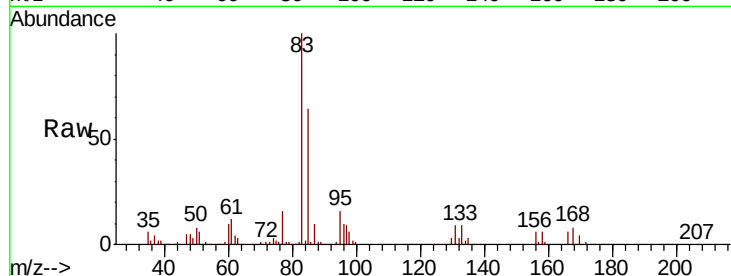
ClientSampleId :

VY0207SBS01

Tot Ion:	83	Resp:	45427
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.4	16.2
85	67.2	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 19.764 ug/l m

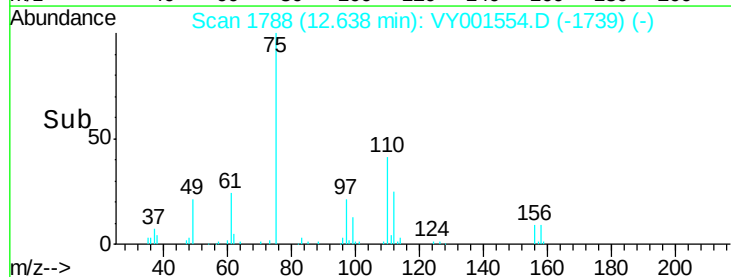
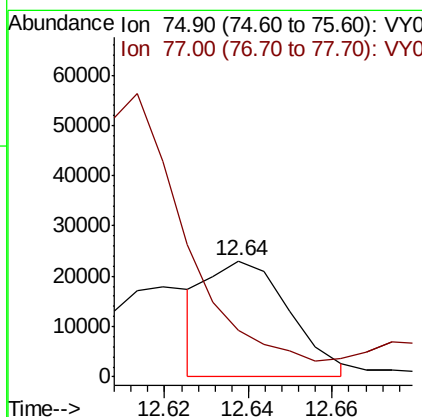
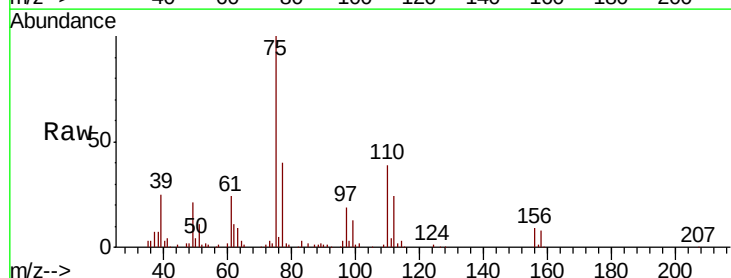
RT: 12.64 min Scan# 1788

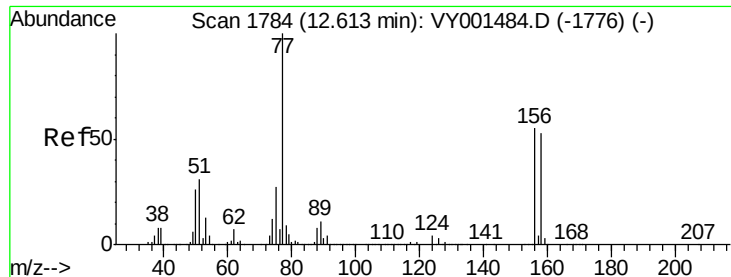
Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Tgt Ion:	75	Resp:	31380
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.404 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion:156 Resp: 47286

Ion Ratio Lower Upper

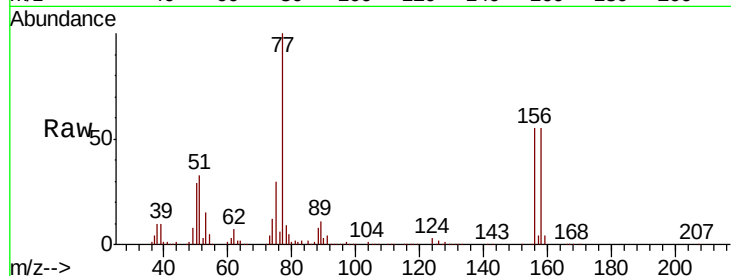
156 100

77 209.4 99.8 299.3

158 95.4 47.5 142.6

Manual Integrations
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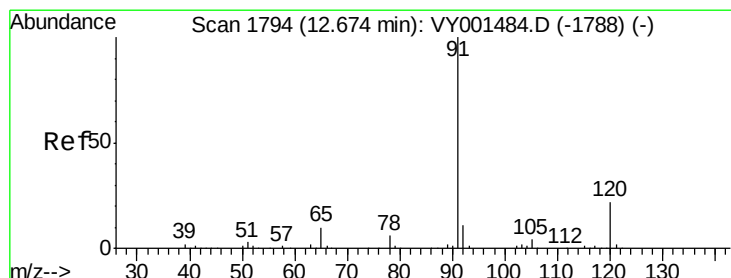
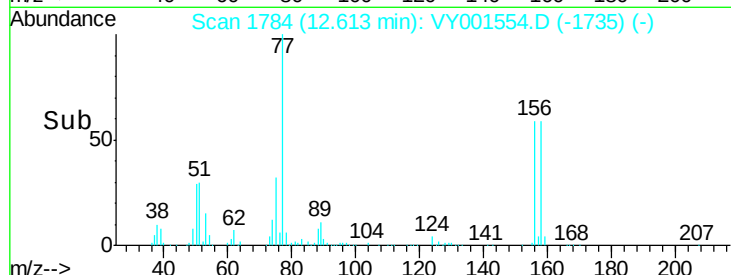
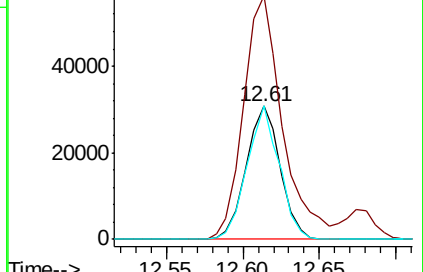
MMDadoda
2/10/2020 11:27:19 AM



Abundance Ion 155.80 (155.50 to 156.50): VY001484.D (-1776) (-)

Ion 77.00 (76.70 to 77.70): VY001484.D (-1776) (-)

Ion 157.80 (157.50 to 158.50): VY001484.D (-1776) (-)



#78

n-propylbenzene

Concen: 19.536 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. 0.00 min

Lab File: VY001554.D

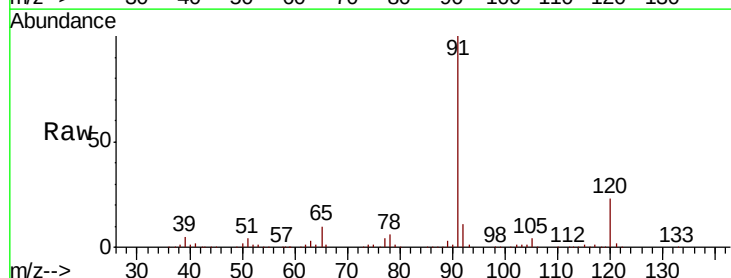
Acq: 07 Feb 2020 15:15

Tgt Ion: 91 Resp: 263353

Ion Ratio Lower Upper

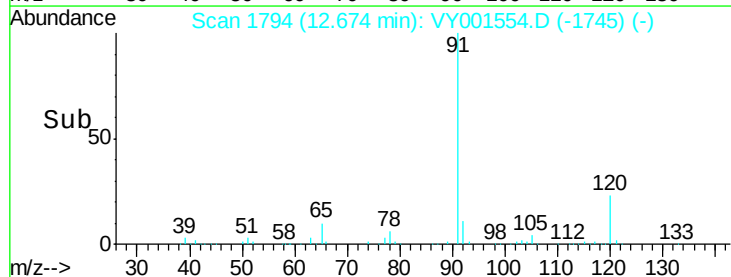
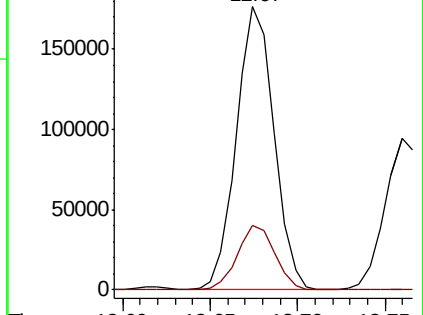
91 100

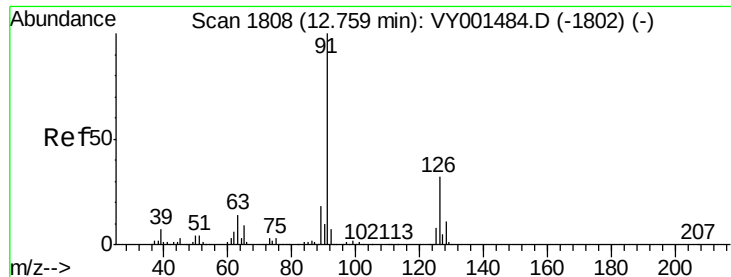
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1788) (-)

Ion 120.00 (119.70 to 120.70): VY001484.D (-1788) (-)





#79

2-Chlorotoluene

Concen: 19.113 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 91 Resp: 146867

Ion Ratio Lower Upper

91 100

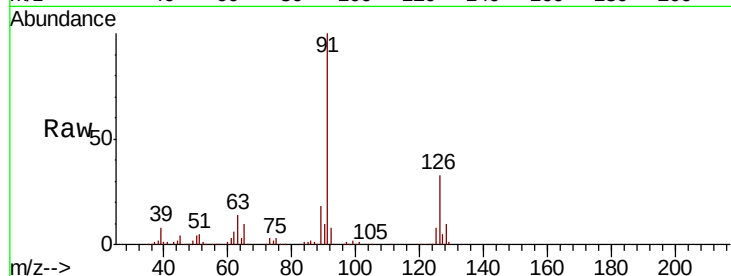
126 33.9 16.4 49.2

Manual Integrations

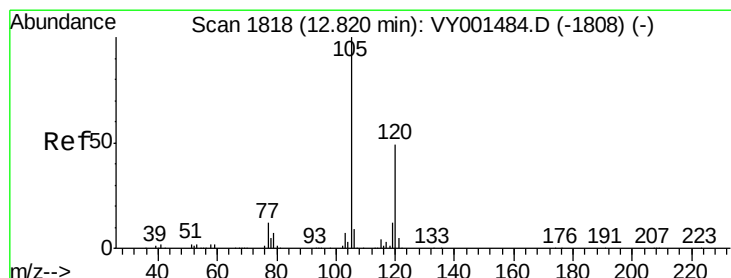
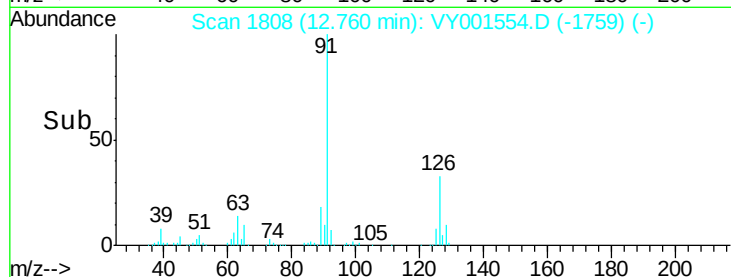
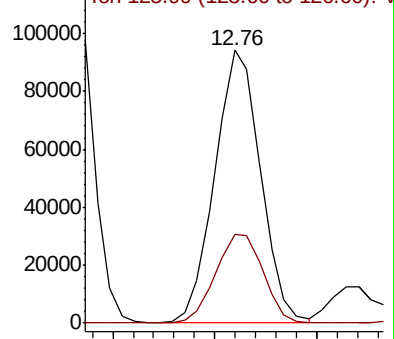
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Abundance Ion 91.00 (90.70 to 91.70): VY001484.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.073 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.01 min

Lab File: VY001554.D

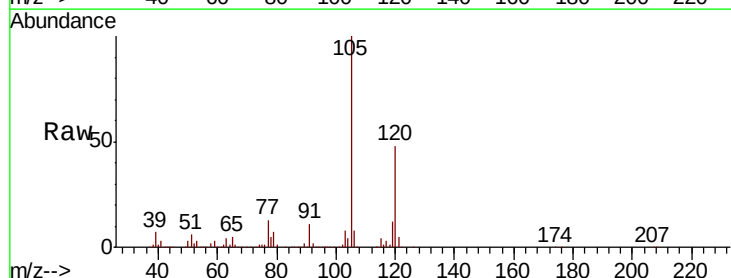
Acq: 07 Feb 2020 15:15

Tgt Ion: 105 Resp: 180872

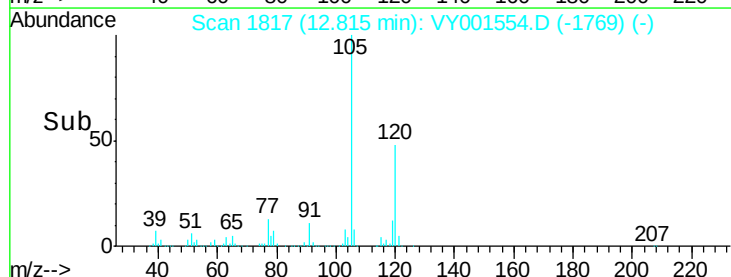
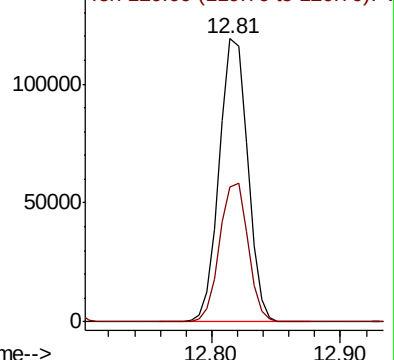
Ion Ratio Lower Upper

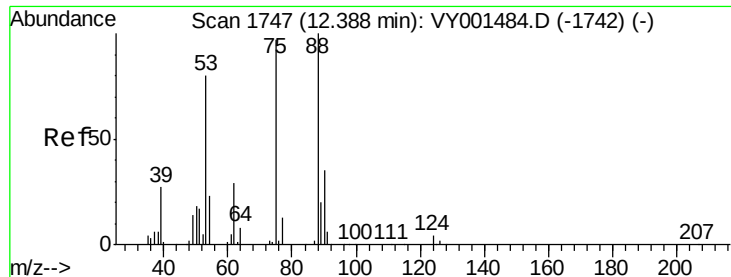
105 100

120 49.0 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001484.D (-1808) (-)





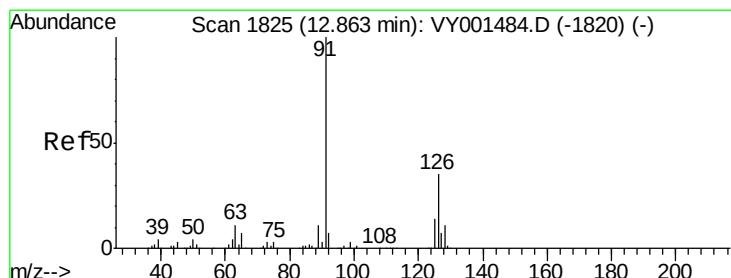
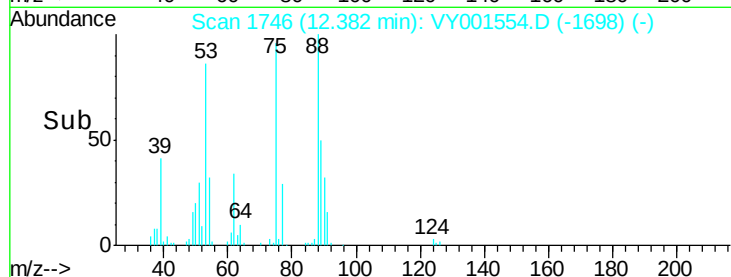
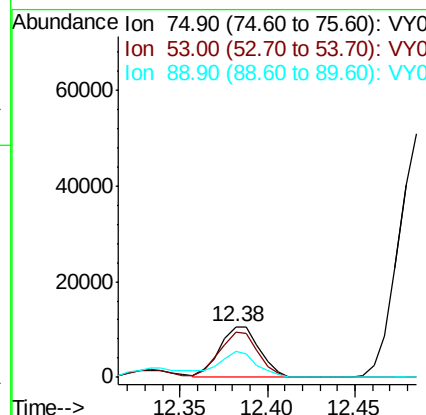
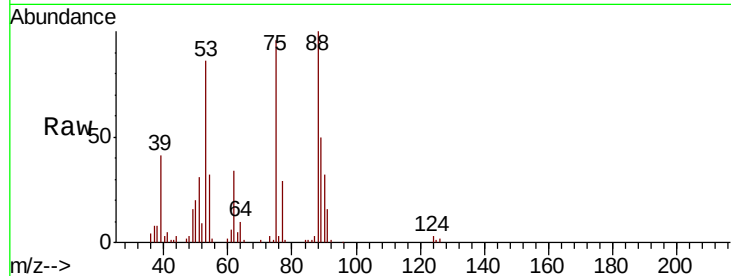
#81
trans-1,4-Dichloro-2-butene
Concen: 20.189 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	67.7	101.5
89	50.0	34.6	52.0

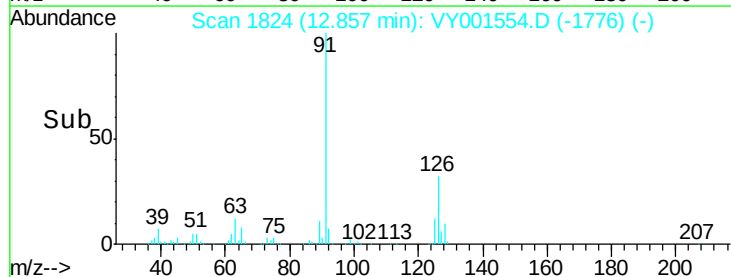
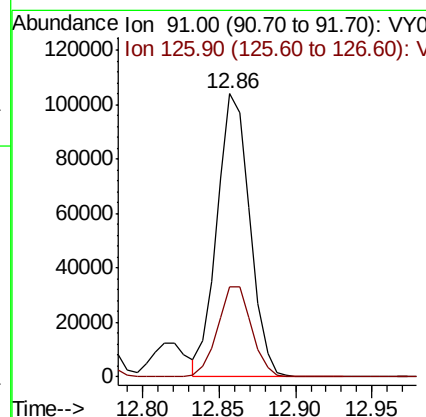
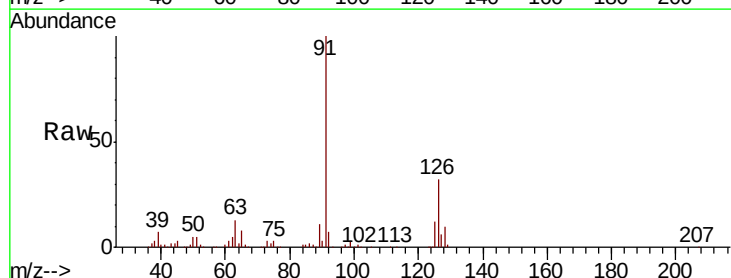
Manual Integrations
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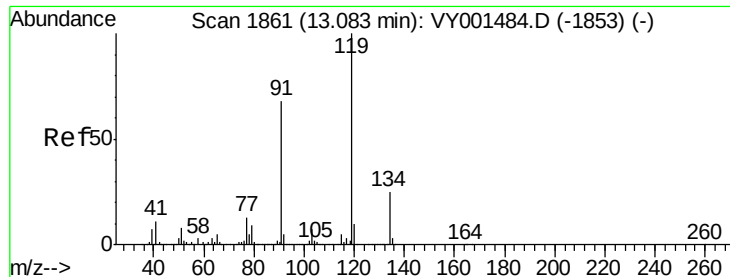
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#82
4-Chlorotoluene
Concen: 19.193 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





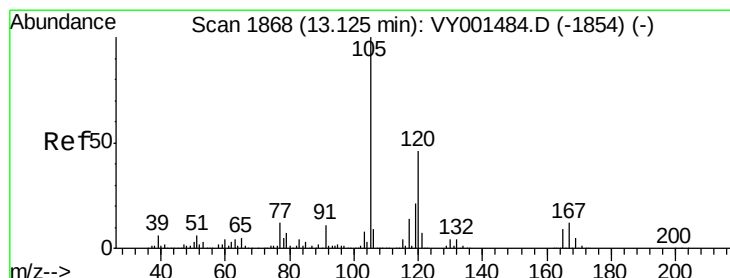
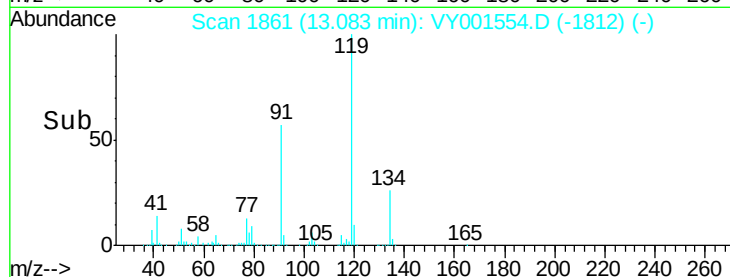
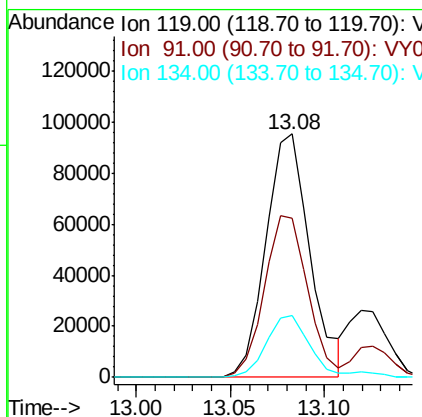
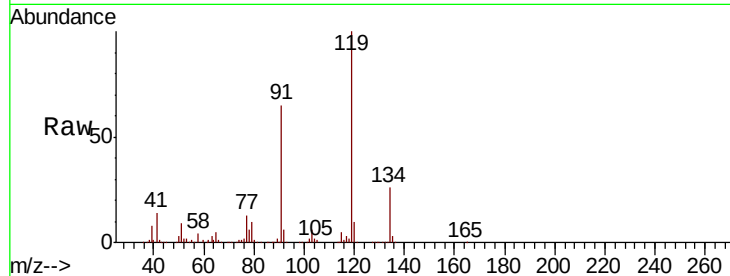
#83
tert-Butylbenzene
Concen: 19.321 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.1	33.1	99.3
134	25.0	13.0	39.0

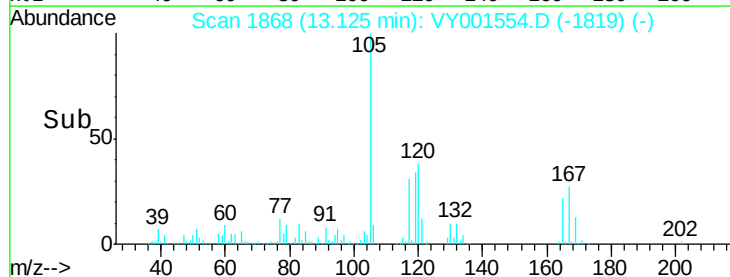
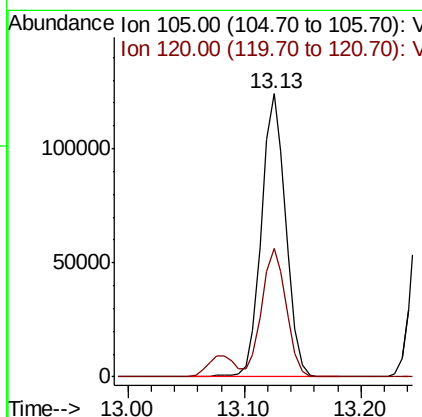
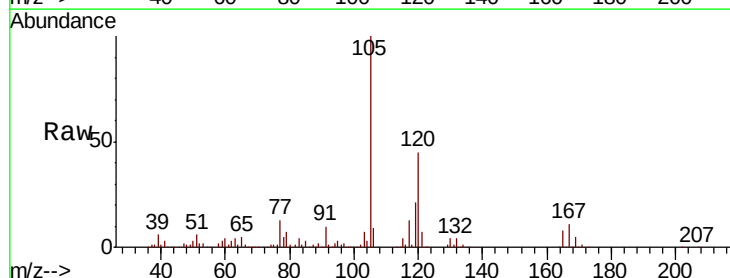
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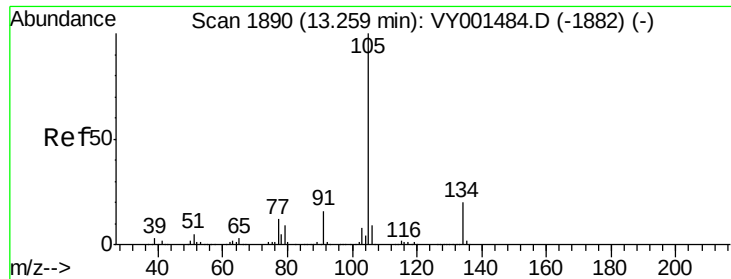
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#84
1,2,4-Trimethylbenzene
Concen: 19.244 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.663 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion:105 Resp: 221599

Ion Ratio Lower Upper

105 100

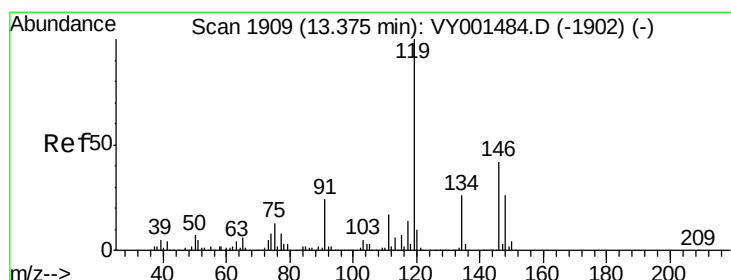
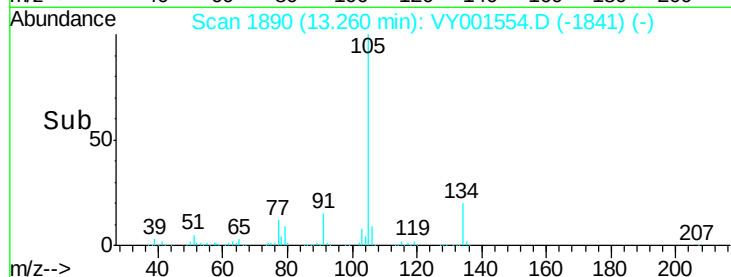
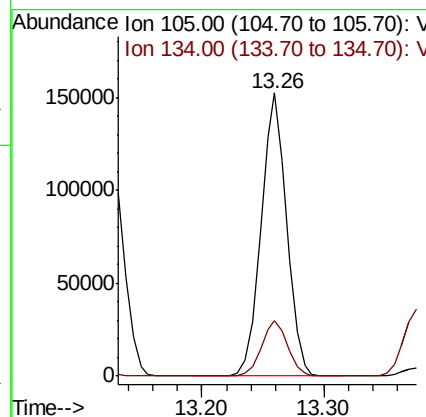
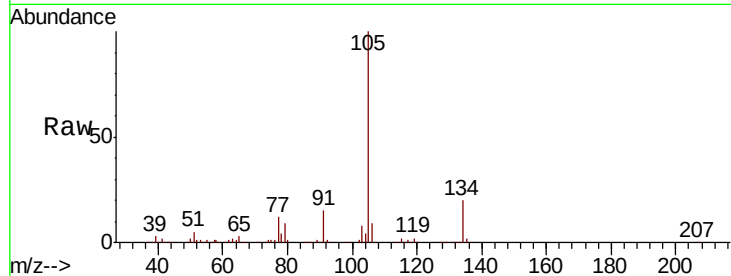
134 20.0 10.0 29.8

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#86

p-Isopropyltoluene

Concen: 19.765 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

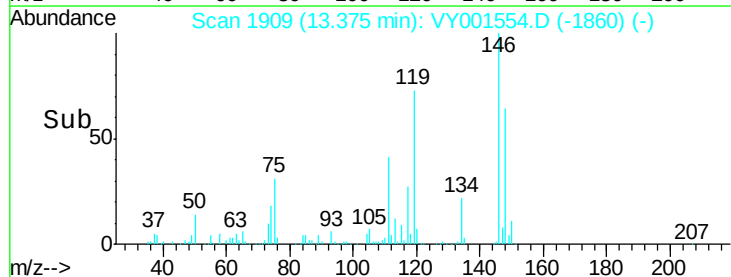
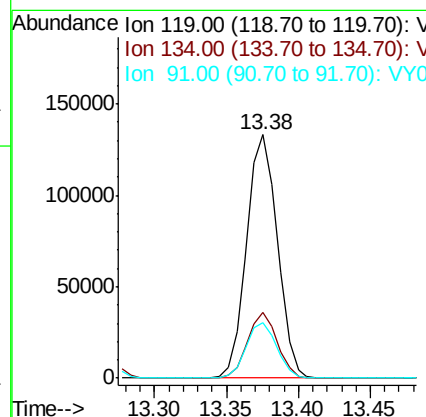
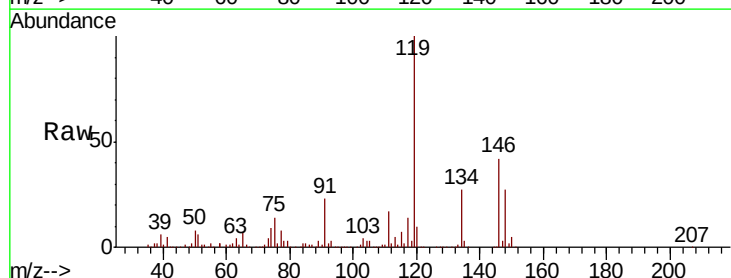
Tgt Ion:119 Resp: 196300

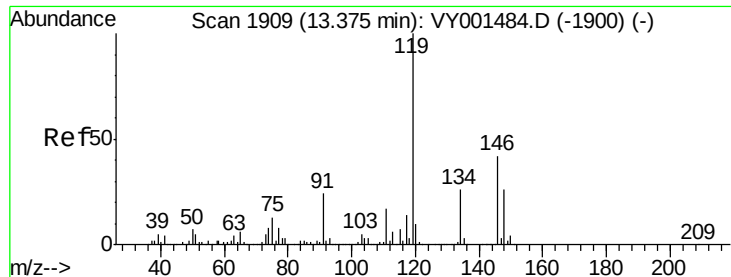
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 23.1 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.857 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Instrument :

MSVOA_Y

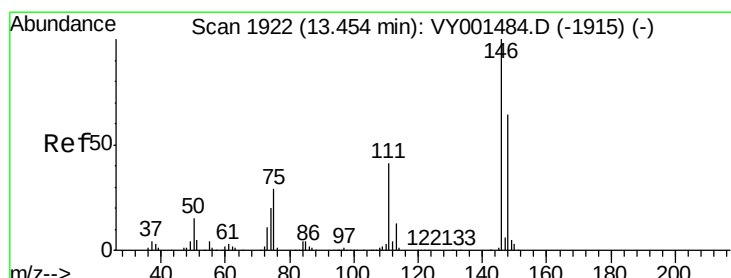
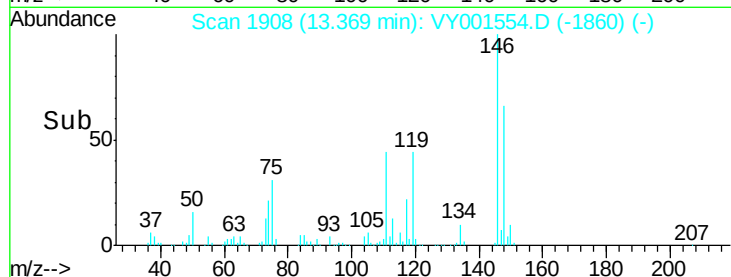
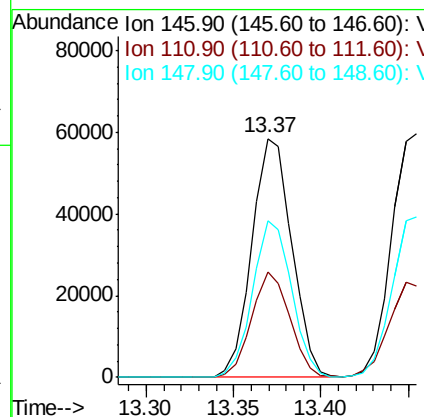
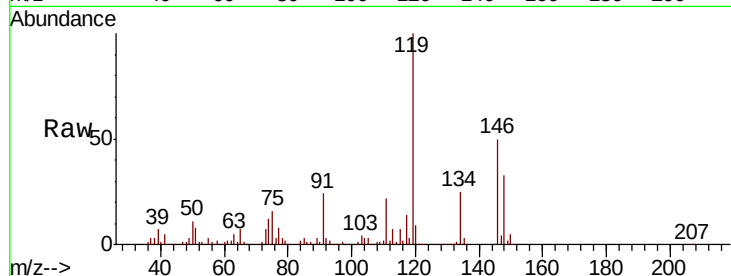
ClientSampleId :

VY0207SBS01

Tot Ion:	146	Resp:	92732
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.3	63.9
148	64.1	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 19.930 ug/l

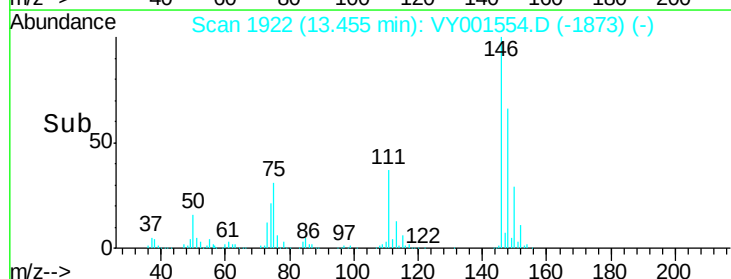
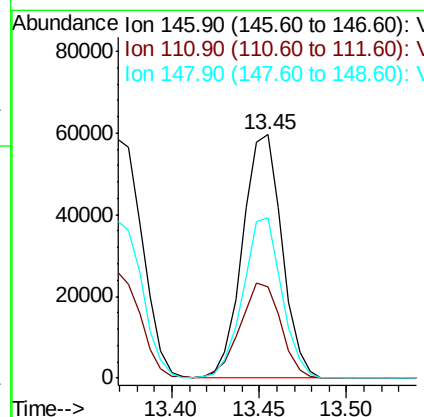
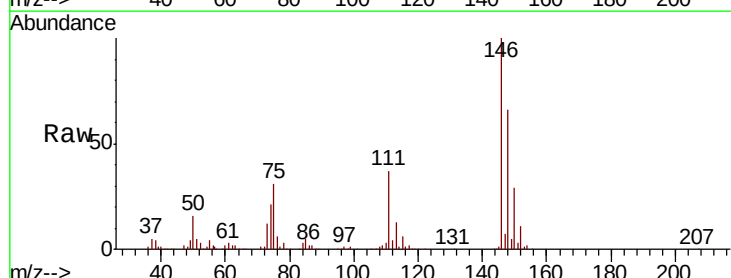
RT: 13.45 min Scan# 1922

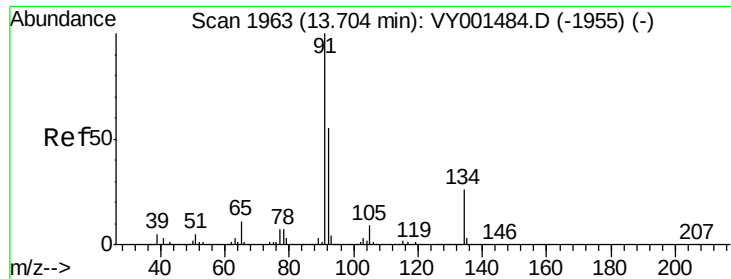
Delta R.T. 0.00 min

Lab File: VY001554.D

Acq: 07 Feb 2020 15:15

Tgt Ion:	146	Resp:	93247
Ion Ratio	Lower	Upper	
146	100		
111	40.8	20.7	62.1
148	64.7	32.1	96.5





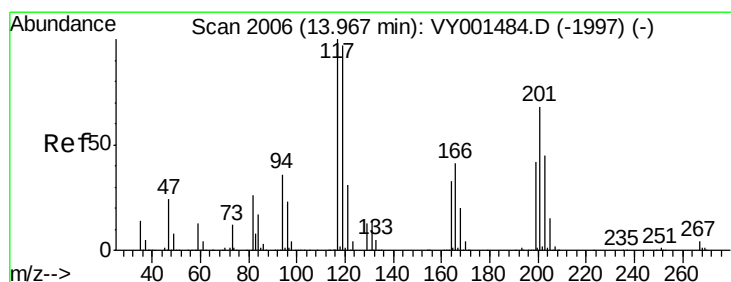
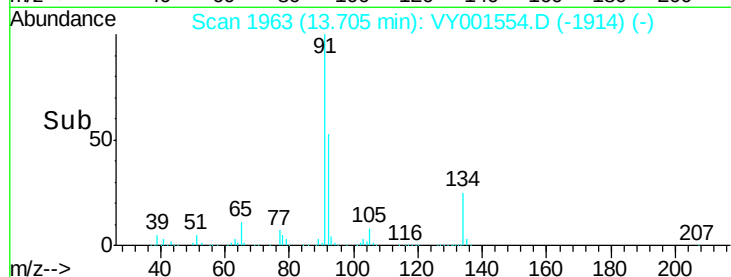
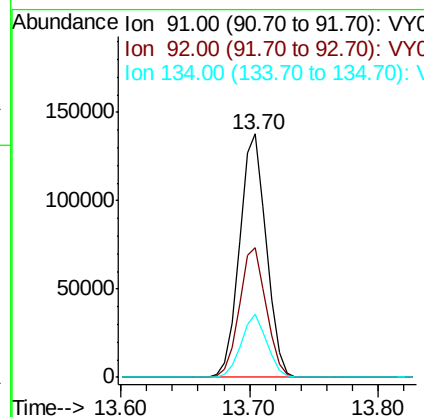
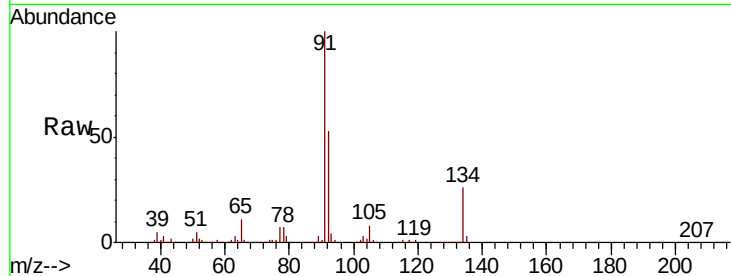
#89
n-Butylbenzene
Concen: 20.135 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.3	81.9
134	24.9	13.0	38.9

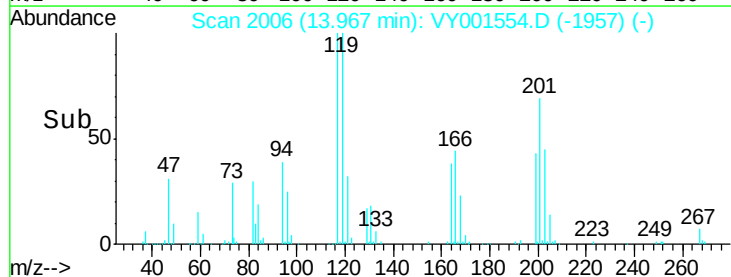
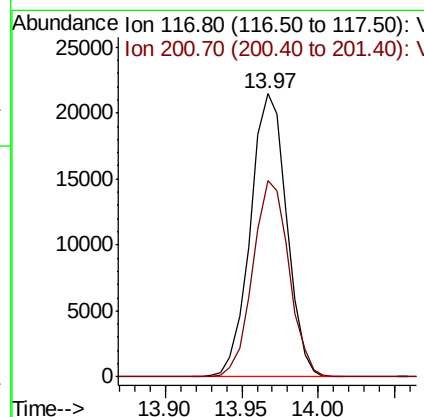
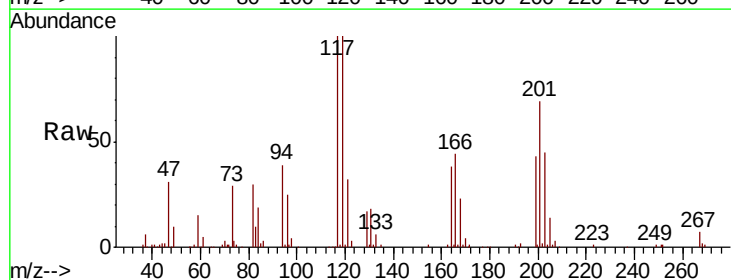
Manual Integrations
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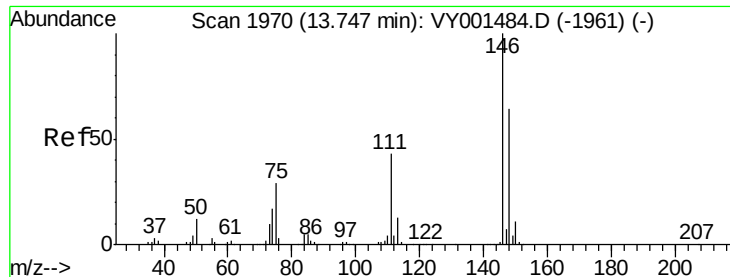
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#90
Hexachloroethane
Concen: 18.575 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.2	34.1	102.3





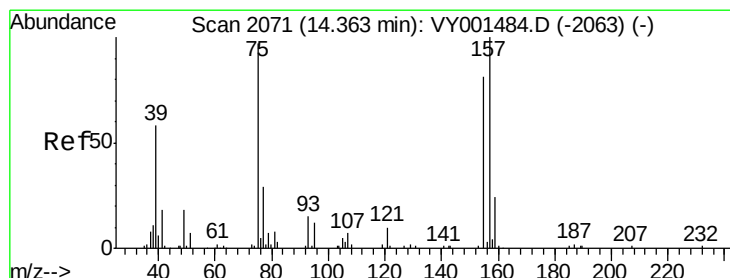
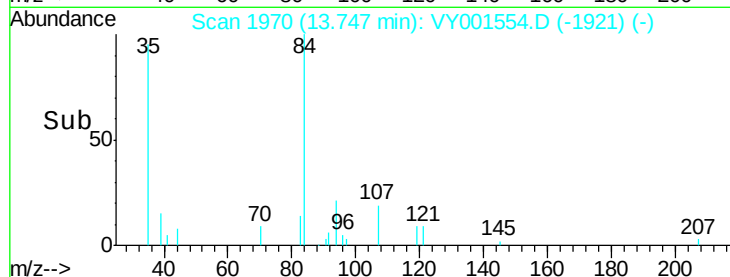
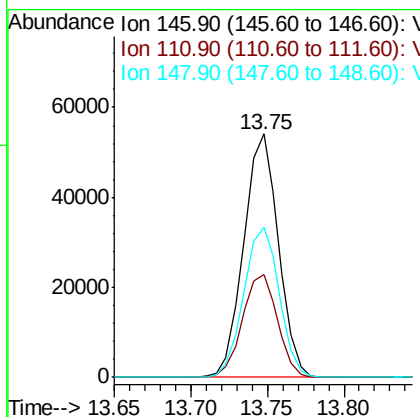
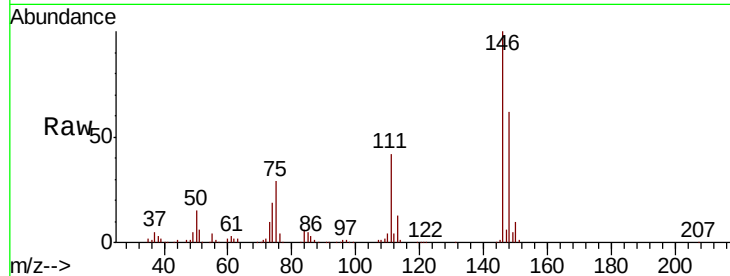
#91
 1,2-Dichlorobenzene
 Concen: 20.129 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.9	65.8
148	63.2	31.8	95.3

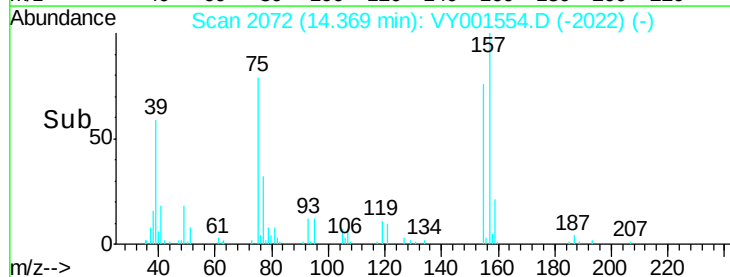
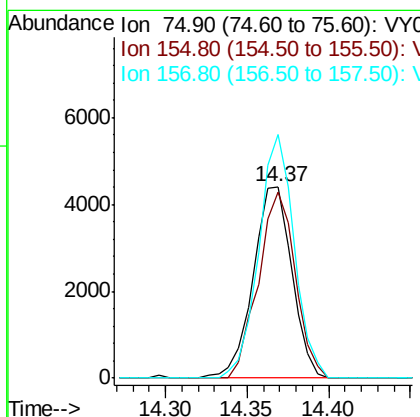
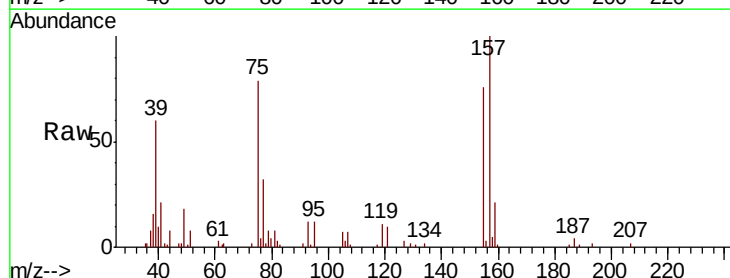
Manual Integrations
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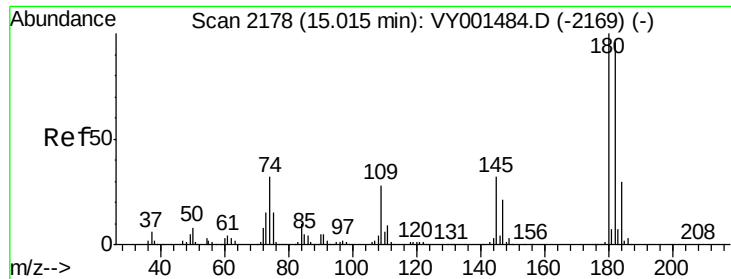
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.473 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001554.D
 Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.2	40.7	122.1
157	116.0	52.3	157.1





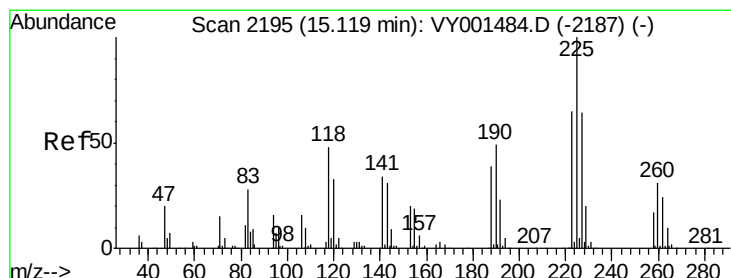
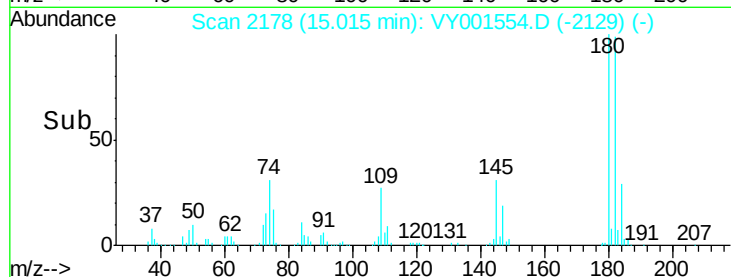
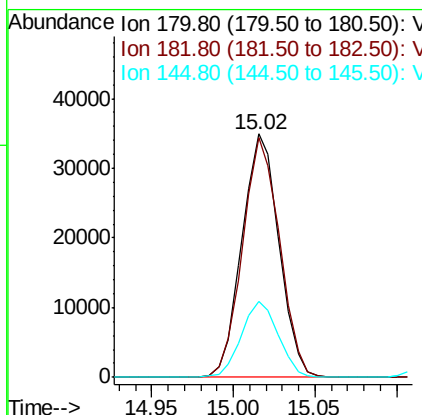
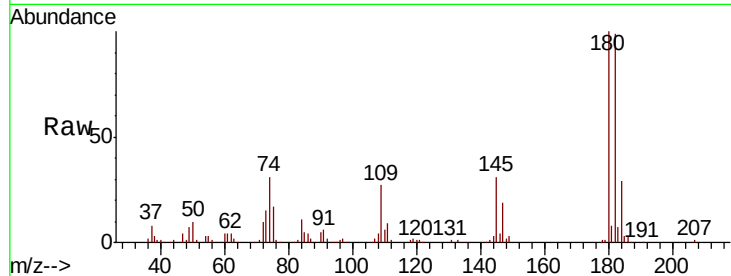
#93
1,2,4-Trichlorobenzene
Concen: 19.433 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55422		
182	98.4	46.9	140.7	
145	31.1	16.8	50.3	

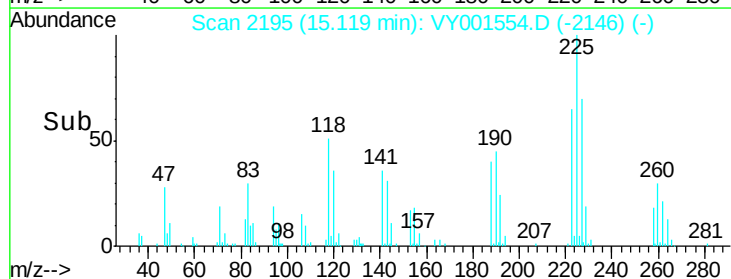
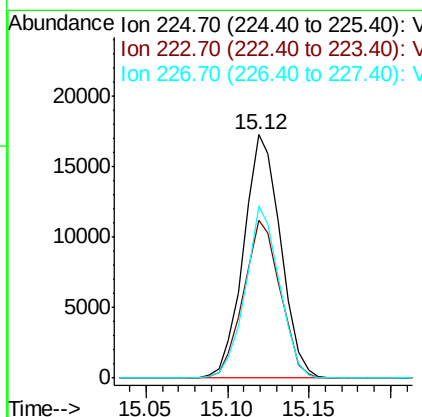
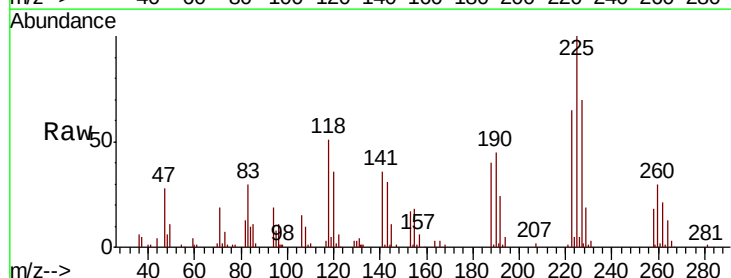
Manual Integrations
APPROVED

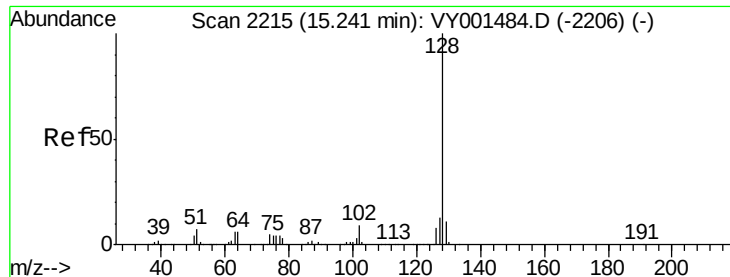
MMDadoda
2/10/2020 11:27:19 AM



#94
Hexachlorobutadiene
Concen: 18.800 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27213		
223	64.3	31.9	95.7	
227	65.2	32.6	97.7	





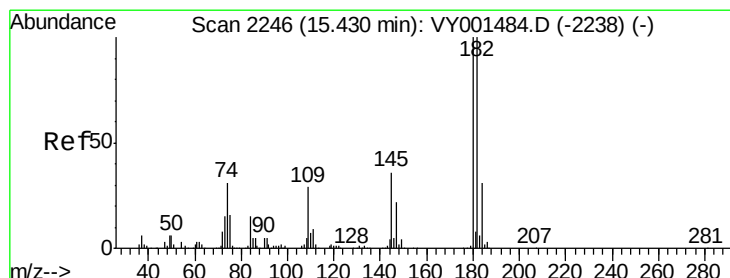
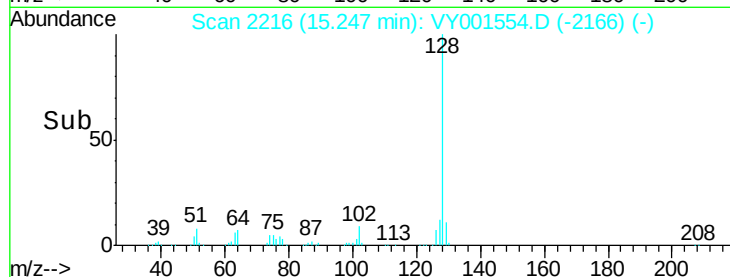
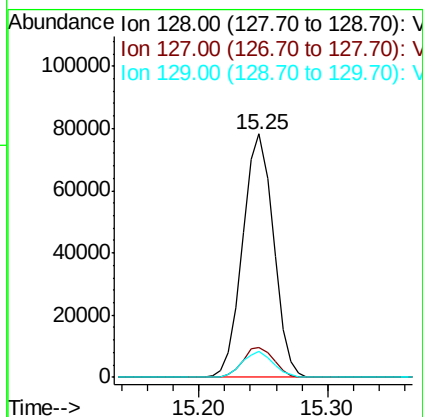
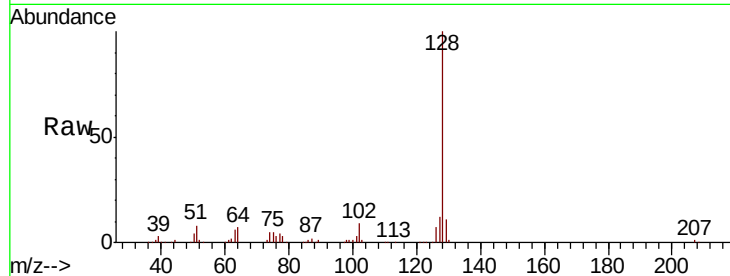
#95
Naphthalene
Concen: 19.247 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	129010		
127	12.6		10.1	15.1
129	10.8		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.766 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001554.D
Acq: 07 Feb 2020 15:15

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	49761		
182	95.4		48.0	144.2
145	33.2		17.8	53.5

