

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020620\
 Data File : VY001532.D
 Acq On : 06 Feb 2020 15:50
 Operator : SY/MD
 Sample : VY0206SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 4:50:50 PM

Quant Time: Feb 07 04:30:59 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	7.82	168	217686	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.72	114	377060	50.00	ug/l	0.01
63) Chlorobenzene-d5	11.50	117	339225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	163207	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.18	65	114474	52.23	ug/l	0.01
Spiked Amount	50.000		Recovery	=	104.46%	
35) Dibromofluoromethane	7.75	113	105248	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.20	98	442677	53.81	ug/l	0.01
Spiked Amount	50.000		Recovery	=	107.62%	
62) 4-Bromofluorobenzene	12.49	95	160085	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	37970	17.819	ug/l	97
3) Chloromethane	2.13	50	49165	22.076	ug/l	99
4) Vinyl Chloride	2.27	62	50495	21.835	ug/l	96
5) Bromomethane	2.66	94	35238	24.229	ug/l	97
6) Chloroethane	2.81	64	31919	22.899	ug/l	99
7) Trichlorofluoromethane	3.15	101	70471	18.410	ug/l	98
8) Diethyl Ether	3.56	74	25988	20.119	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.93	101	42972	18.658	ug/l	98
10) Methyl Iodide	4.12	142	50676	17.268	ug/l	99
11) Tert butyl alcohol	5.00	59	35029	125.248	ug/l #	93
12) 1,1-Dichloroethene	3.90	96	43876	19.171	ug/l	99
13) Acrolein	3.76	56	21733	104.719	ug/l	98
14) Allyl chloride	4.51	41	74654	21.323	ug/l	98
15) Acrylonitrile	5.21	53	67080	113.279	ug/l	99
16) Acetone	3.98	43	66382	104.704	ug/l	97
17) Carbon Disulfide	4.22	76	143165	19.650	ug/l	99
18) Methyl Acetate	4.52	43	32675	24.151	ug/l	94
19) Methyl tert-butyl Ether	5.26	73	122167	20.072	ug/l	99
20) Methylene Chloride	4.76	84	52106	17.961	ug/l	96
21) trans-1,2-Dichloroethene	5.26	96	49795	19.571	ug/l	96
22) Diisopropyl ether	6.16	45	153953	22.195	ug/l	95
23) Vinyl Acetate	6.10	43	504881	114.337	ug/l	95
24) 1,1-Dichloroethane	6.06	63	84646	20.288	ug/l	99
25) 2-Butanone	7.02	43	96383	117.181	ug/l	94
26) 2,2-Dichloropropane	7.02	77	77371	19.376	ug/l	98
27) cis-1,2-Dichloroethene	7.02	96	55729	20.054	ug/l	98
28) Bromochloromethane	7.38	49	31610	22.239	ug/l	90
29) Tetrahydrofuran	7.38	42	60217	122.147	ug/l	93
30) Chloroform	7.54	83	81858	19.369	ug/l	98
31) Cyclohexane	7.82	56	88127	20.649	ug/l	98
32) 1,1,1-Trichloroethane	7.74	97	72122	18.822	ug/l	97
36) 1,1-Dichloropropene	7.95	75	69288	20.087	ug/l	98
37) Ethyl Acetate	7.11	43	38590	23.110	ug/l	97
38) Carbon Tetrachloride	7.93	117	60718	18.194	ug/l	99

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Quant Time: Feb 07 04:30:59 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)
39) Methylcyclohexane	9.21	83	90040	19.824	ug/l	99
40) Benzene	8.19	78	200314	20.360	ug/l	99
41) Methacrylonitrile	7.36	41	21727m	28.074	ug/l	
42) 1,2-Dichloroethane	8.27	62	55534	20.260	ug/l	98
43) Isopropyl Acetate	8.30	43	77337	23.392	ug/l	95
44) Trichloroethene	8.96	130	51338	19.358	ug/l	94
45) 1,2-Dichloropropane	9.24	63	51418	21.642	ug/l	97
46) Dibromomethane	9.33	93	26166	19.613	ug/l	98
47) Bromodichloromethane	9.52	83	62433	19.207	ug/l	97
48) Methyl methacrylate	9.32	41	34309	22.864	ug/l	93
49) 1,4-Dioxane	9.32	88	6964	395.265	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	198300	121.791	ug/l	95
52) Toluene	10.26	92	126215	20.218	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	69354	19.589	ug/l	98
54) cis-1,3-Dichloropropene	9.95	75	80924	19.910	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	39438	20.604	ug/l	95
56) Ethyl methacrylate	10.52	69	58130	21.352	ug/l	91
57) 1,3-Dichloropropane	10.81	76	68386	20.268	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.80	63	108689	108.524	ug/l	96
59) 2-Hexanone	10.85	43	146564	123.803	ug/l	96
60) Dibromochloromethane	11.00	129	43334	19.206	ug/l	100
61) 1,2-Dibromoethane	11.10	107	37954	20.132	ug/l	97
64) Tetrachloroethene	10.74	164	43123	19.384	ug/l	96
65) Chlorobenzene	11.53	112	130337	19.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	44603	19.133	ug/l	99
67) Ethyl Benzene	11.60	91	241373	19.599	ug/l	100
68) m/p-Xylenes	11.71	106	182668	39.511	ug/l	100
69) o-Xylene	12.04	106	86140	19.761	ug/l	100
70) Styrene	12.05	104	150387	19.950	ug/l	99
71) Bromoform	12.22	173	25496	19.642	ug/l #	99
73) Isopropylbenzene	12.34	105	232781	18.701	ug/l	98
74) N-amyl acetate	12.15	43	74699	23.094	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.60	83	48378	20.456	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	32374m	18.445	ug/l	
77) Bromobenzene	12.62	156	50568	18.772	ug/l	94
78) n-propylbenzene	12.68	91	287118	19.267	ug/l	99
79) 2-Chlorotoluene	12.77	91	159654	18.796	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	197417	18.832	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.39	75	18188	20.051	ug/l	95
82) 4-Chlorotoluene	12.86	91	167415	18.798	ug/l	99
83) tert-Butylbenzene	13.08	119	165440	18.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.13	105	196218	18.912	ug/l	99
85) sec-Butylbenzene	13.26	105	242262	19.446	ug/l	100
86) p-Isopropyltoluene	13.38	119	214731	19.559	ug/l	100
87) 1,3-Dichlorobenzene	13.38	146	102039	19.766	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	102376	19.795	ug/l	99
89) n-Butylbenzene	13.70	91	213997	19.756	ug/l	99
90) Hexachloroethane	13.97	117	39168	18.588	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	92950	19.868	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.37	75	8590	19.675	ug/l	96

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Instrument :
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ClientSampleId :
VY0206SBSD01

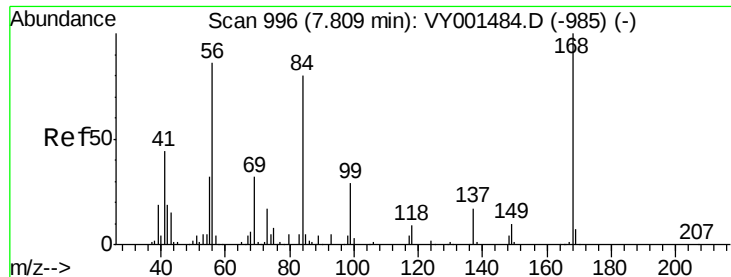
Manual Integrations
APPROVED

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2/7/2020 4:50:50 PM

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	62142	19.711	ug/l	99
94) Hexachlorobutadiene	15.12	225	31217	19.510	ug/l	98
95) Naphthalene	15.25	128	141249	19.063	ug/l	100
96) 1,2,3-Trichlorobenzene	15.43	180	54959	19.748	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion:168 Resp: 217686

Ion Ratio Lower Upper

168 100

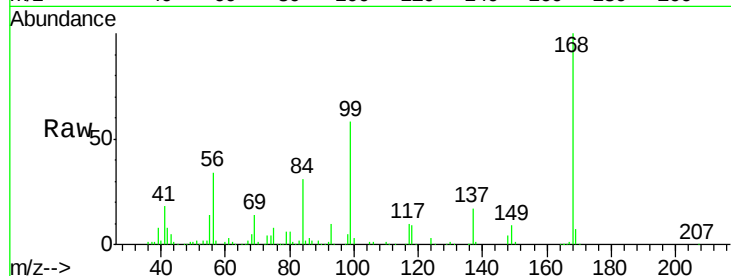
99 58.3 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY001532.D (-947) (-)

Ion 98.90 (98.60 to 99.60): VY001532.D (-947) (-)

7.82

100000

80000

60000

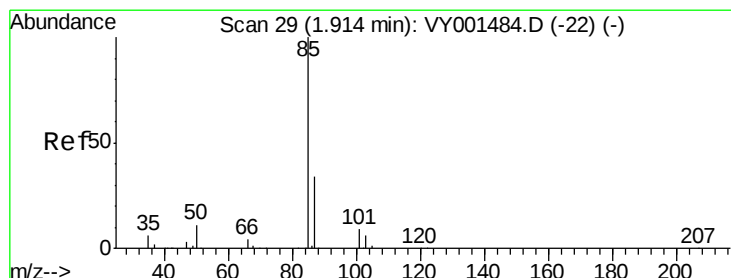
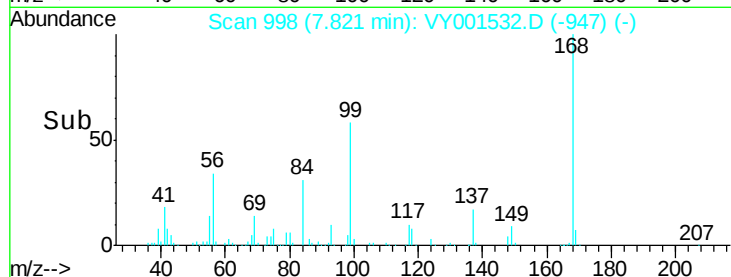
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.819 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001532.D

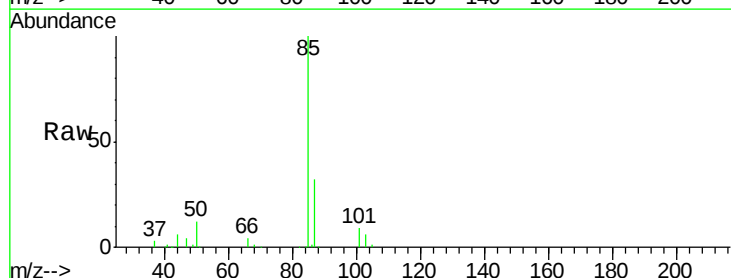
Acq: 06 Feb 2020 15:50

Tgt Ion: 85 Resp: 37970

Ion Ratio Lower Upper

85 100

87 32.0 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VY001532.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001532.D (-1) (-)

1.91

30000

25000

20000

15000

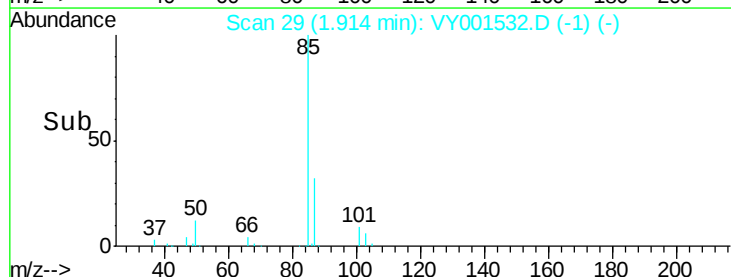
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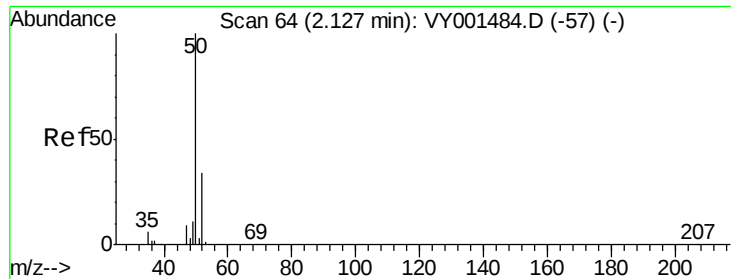
5000

0

1.85 1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.076 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 50 Resp: 49165

Ion Ratio Lower Upper

50 100

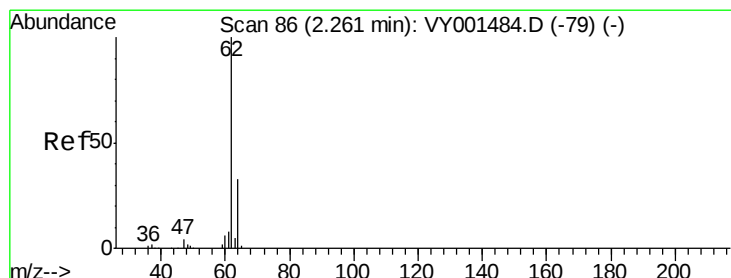
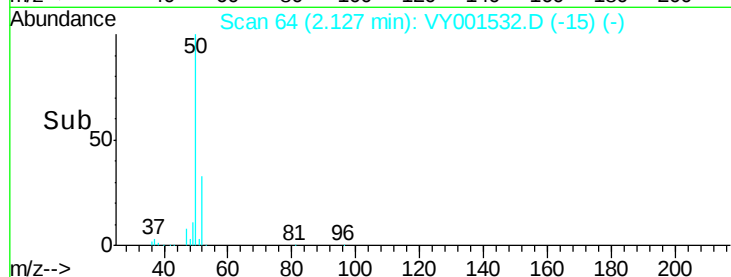
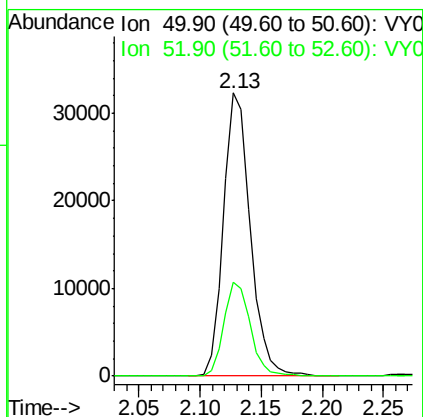
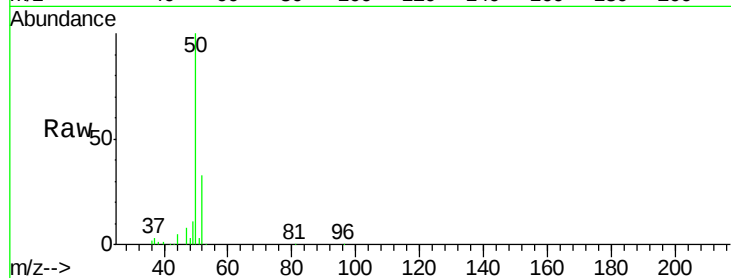
52 33.4 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.835 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001532.D

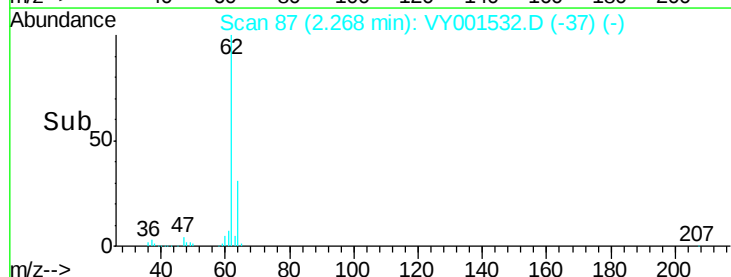
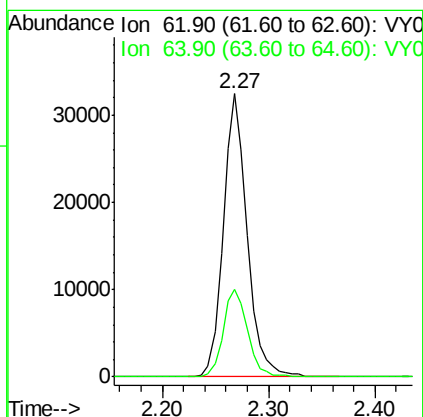
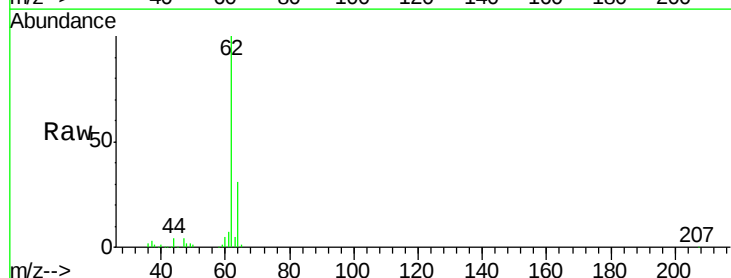
Acq: 06 Feb 2020 15:50

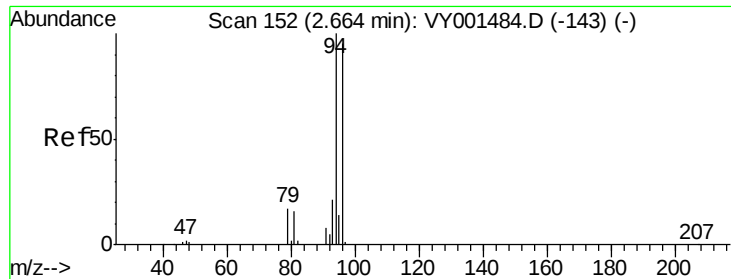
Tgt Ion: 62 Resp: 50495

Ion Ratio Lower Upper

62 100

64 30.7 26.4 39.6





#5

Bromomethane

Concen: 24.229 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 94 Resp: 35238

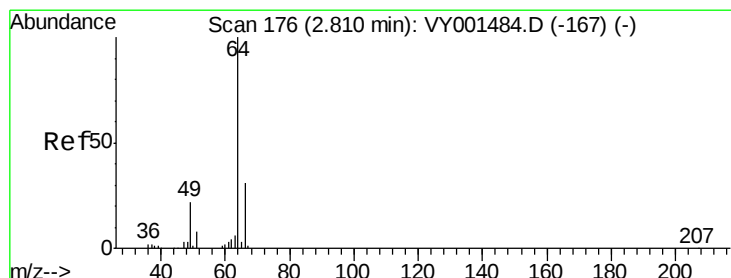
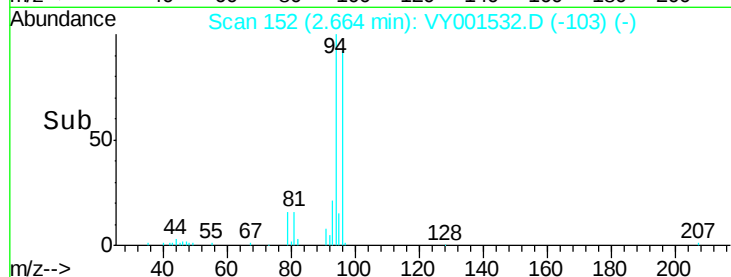
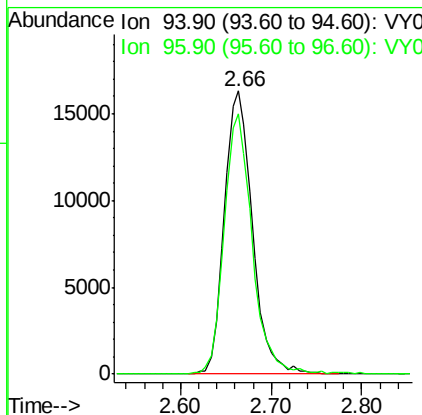
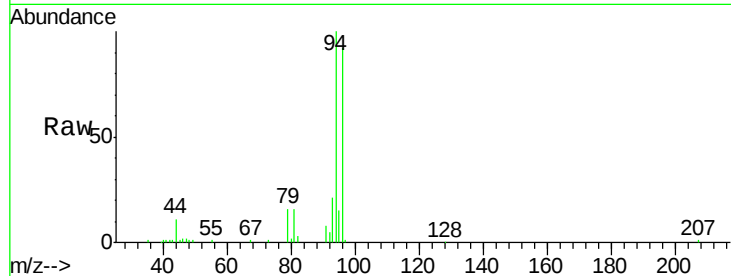
Ion Ratio Lower Upper

94 100

96 91.8 76.2 114.2

Manual Integrations
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#6

Chloroethane

Concen: 22.899 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001532.D

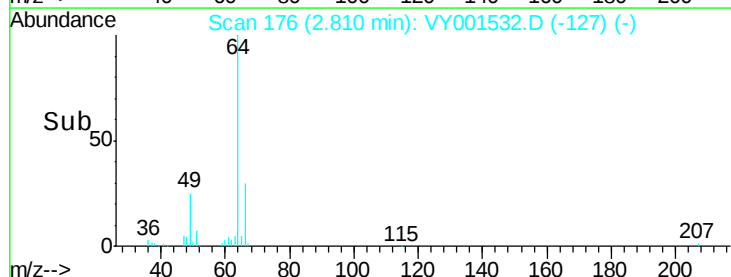
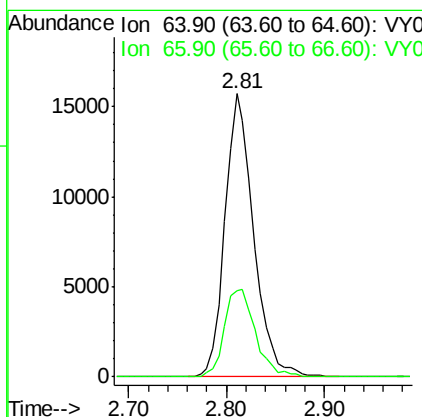
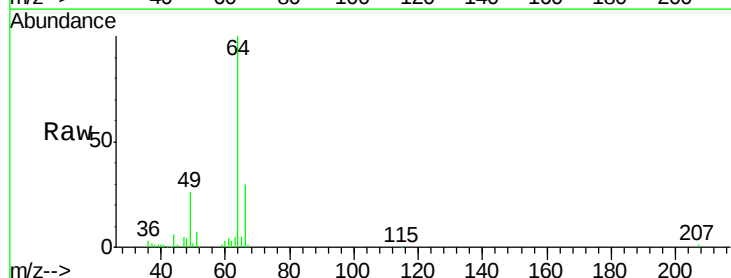
Acq: 06 Feb 2020 15:50

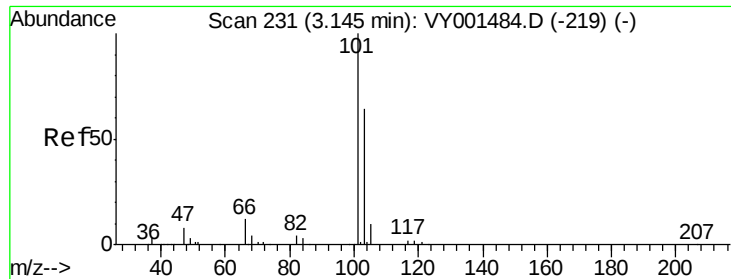
Tgt Ion: 64 Resp: 31919

Ion Ratio Lower Upper

64 100

66 30.3 24.5 36.7





#7

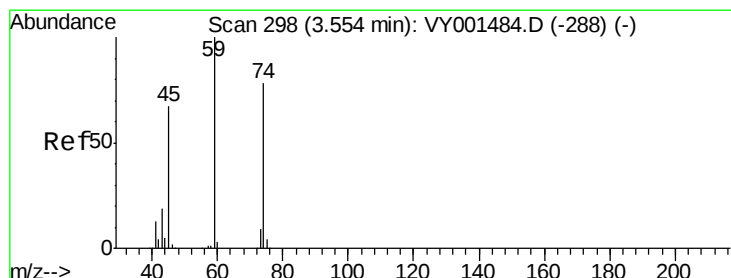
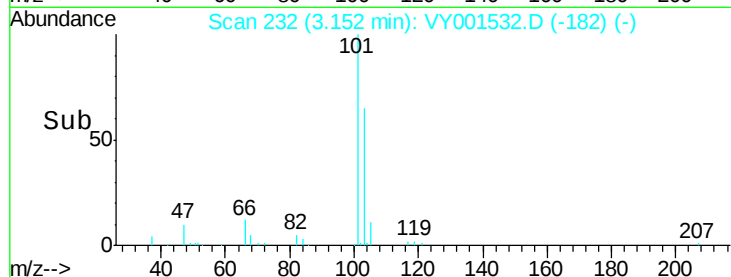
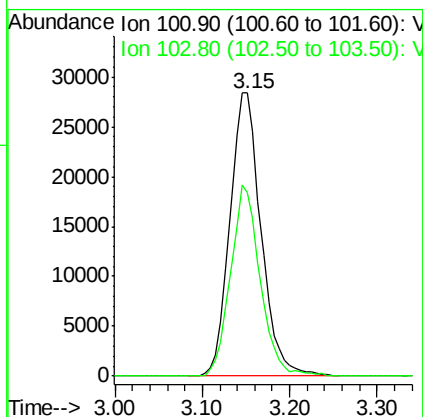
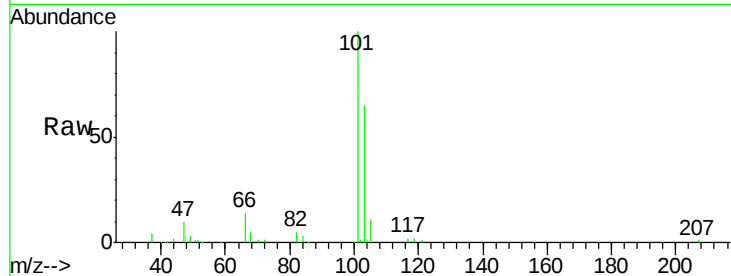
Trichlorofluoromethane
Concen: 18.410 ug/l
RT: 3.15 min Scan# 232
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
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ClientSampleId :
VY0206SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.9	76.3

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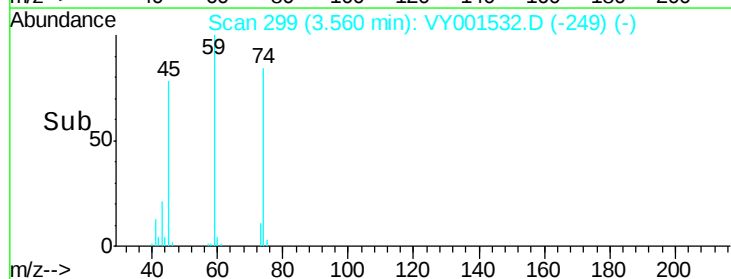
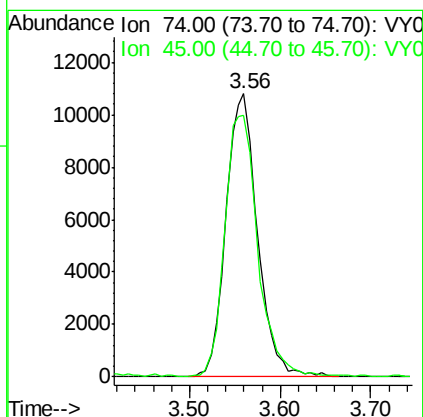
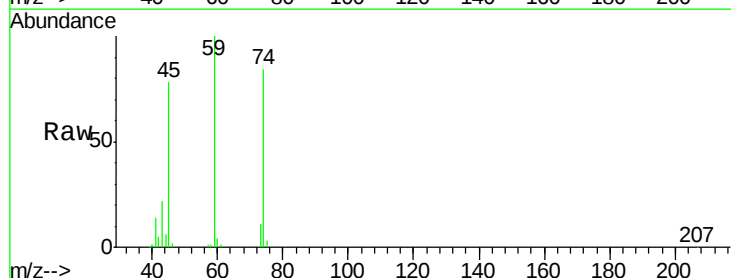
MMDadoda
2/7/2020 4:50:50 PM

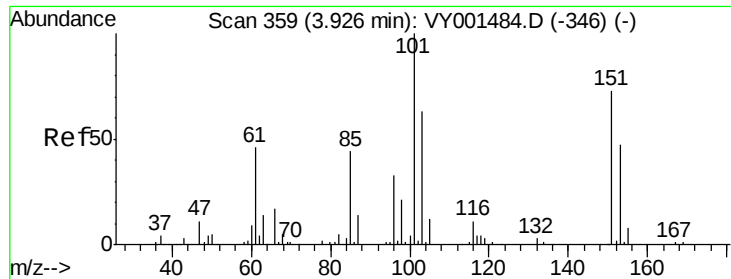


#8

Diethyl Ether
Concen: 20.119 ug/l
RT: 3.56 min Scan# 299
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.8	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.658 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

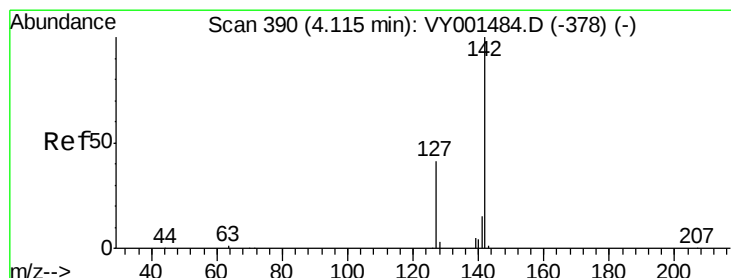
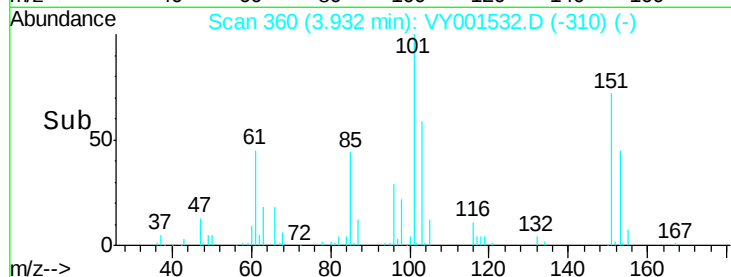
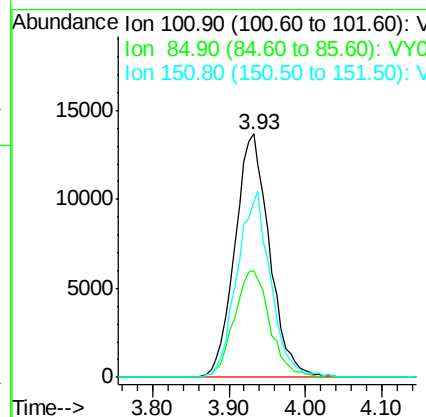
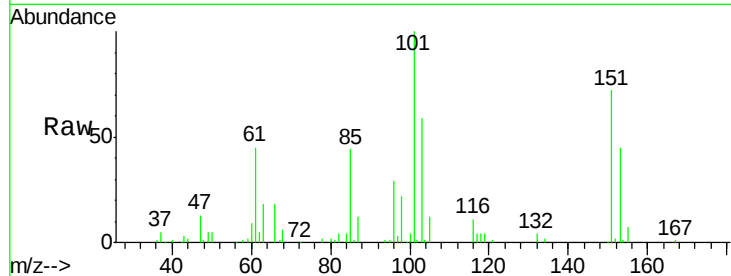
ClientSampleId :

VY0206SBS01

Tot Ion:	101	Resp:	42972
Ion Ratio	Lower	Upper	
101	100		
85	44.9	34.6	51.8
151	73.5	60.3	90.5

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 17.268 ug/l

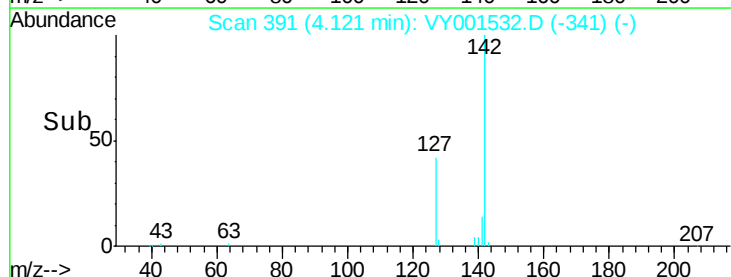
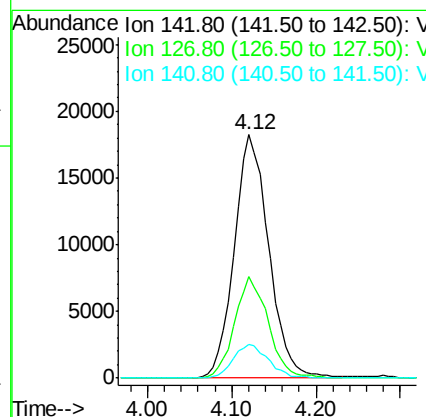
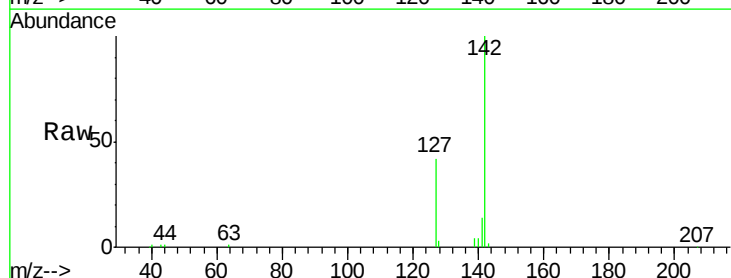
RT: 4.12 min Scan# 391

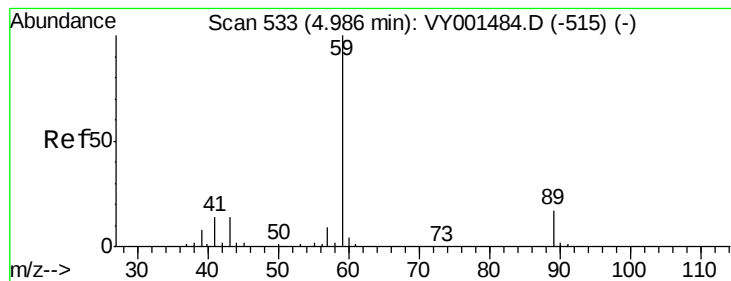
Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	142	Resp:	50676
Ion Ratio	Lower	Upper	
142	100		
127	40.7	33.3	49.9
141	14.1	11.5	17.3





#11

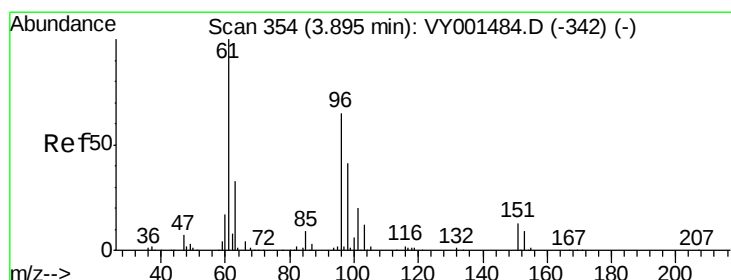
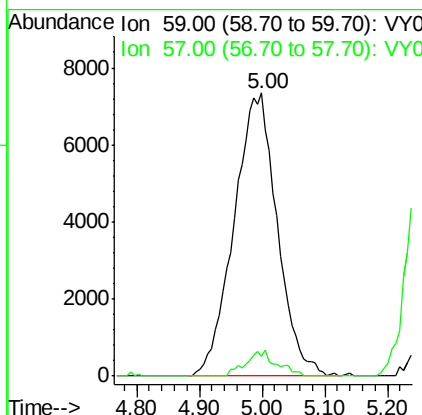
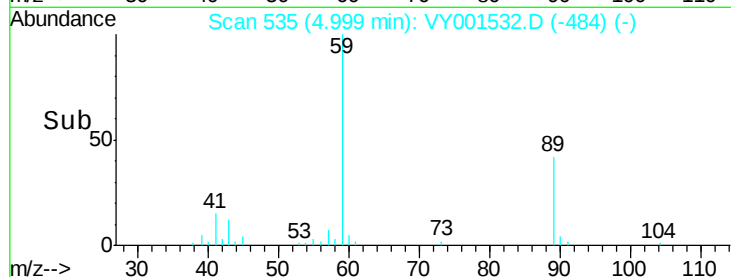
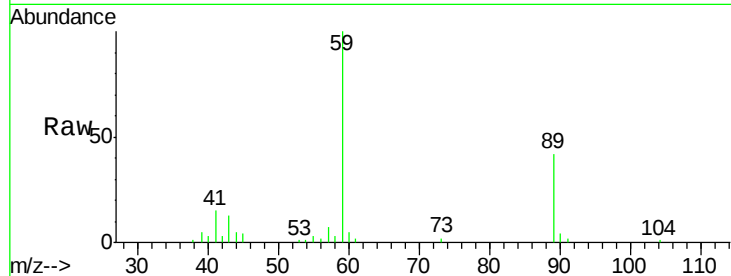
Tert butyl alcohol
Concen: 125.248 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion: 59 Resp: 35029
Ion Ratio Lower Upper
59 100
57 6.4 7.0 10.6#

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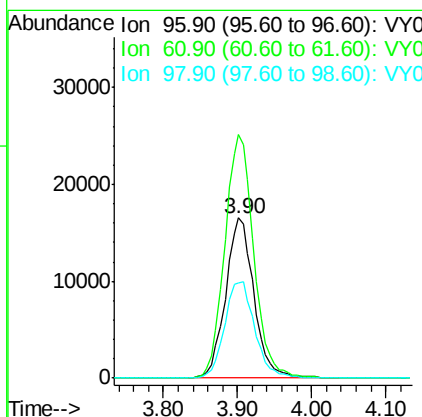
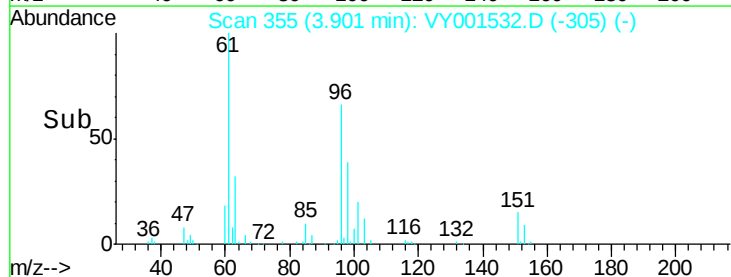
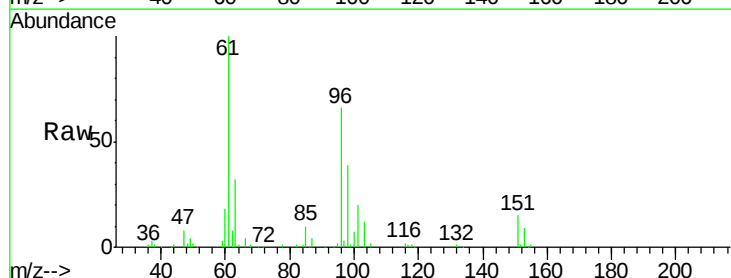
MMDadoda
2/7/2020 4:50:50 PM

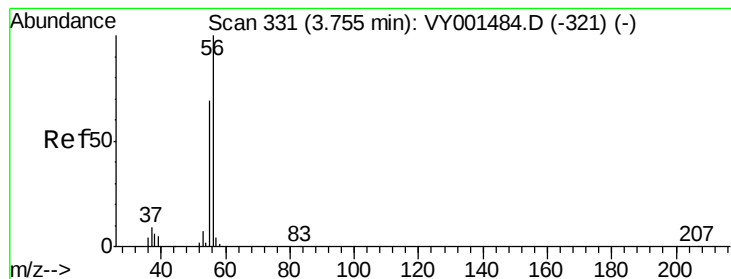


#12

1,1-Dichloroethene
Concen: 19.171 ug/l
RT: 3.90 min Scan# 355
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 96 Resp: 43876
Ion Ratio Lower Upper
96 100
61 152.4 122.3 183.5
98 59.5 49.7 74.5





#13

Acrolein

Concen: 104.719 ug/l

RT: 3.76 min Scan# 332

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 56 Resp: 21733

Ion Ratio Lower Upper

56 100

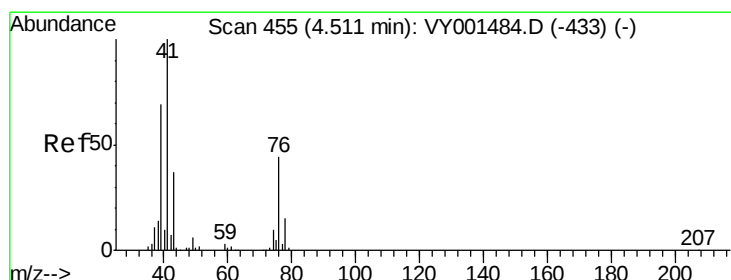
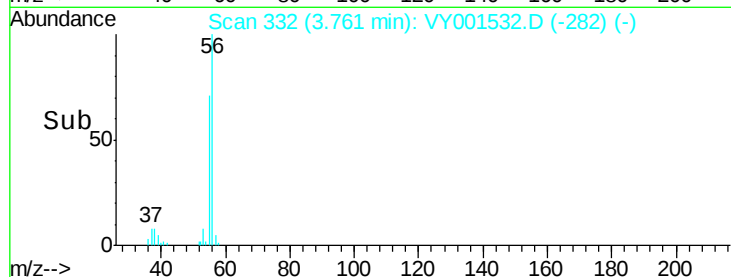
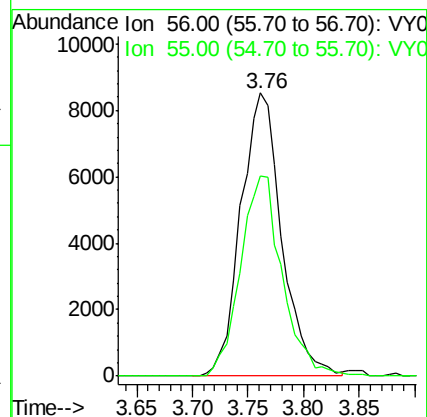
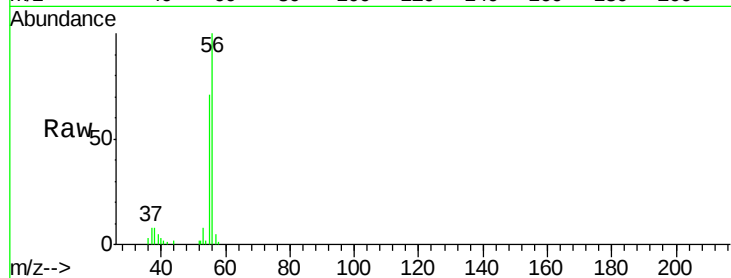
55 72.2 56.2 84.4

Manual Integrations

APPROVED

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2/7/2020 4:50:50 PM



#14

Allyl chloride

Concen: 21.323 ug/l

RT: 4.51 min Scan# 455

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

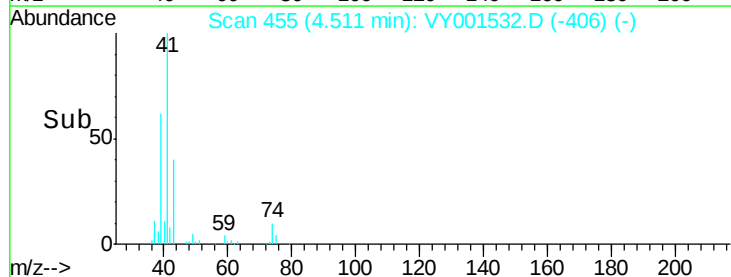
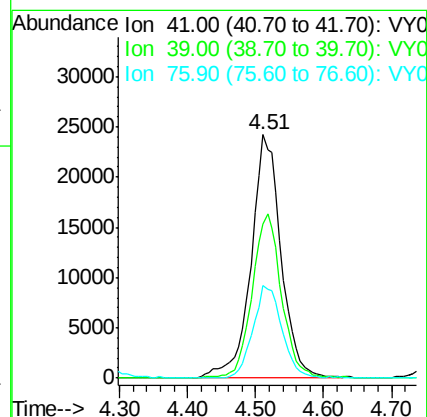
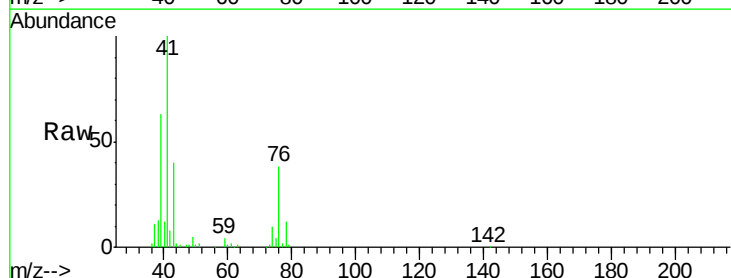
Tgt Ion: 41 Resp: 74654

Ion Ratio Lower Upper

41 100

39 66.3 53.0 79.6

76 36.6 32.6 48.8





#15

Acrylonitrile

Concen: 113.279 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

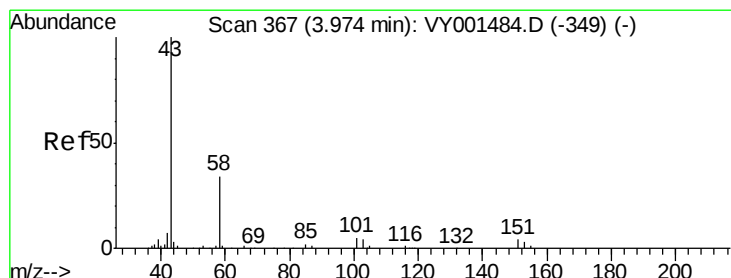
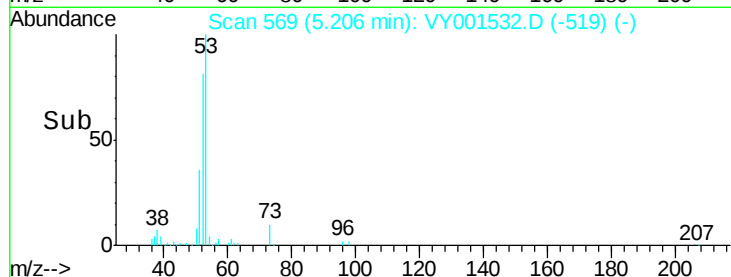
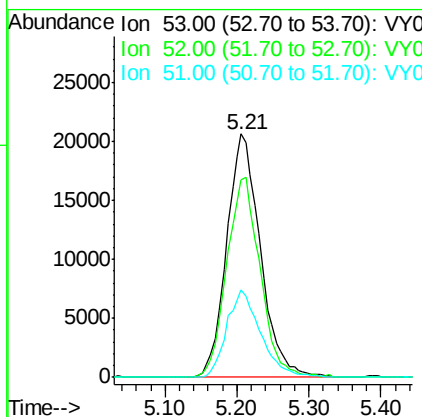
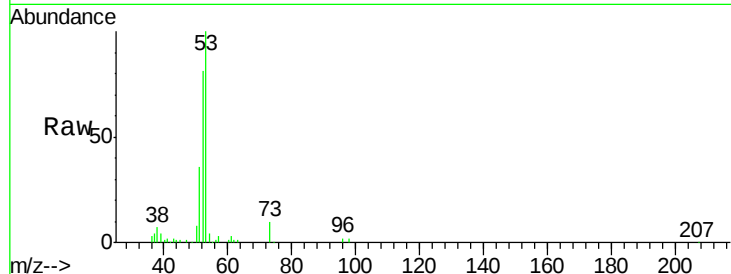
ClientSampleId :

VY0206SBS01

Tot Ion:	53	Resp:	67080
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.4	98.2
51	36.0	29.0	43.4

Manual Integrations
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2/7/2020 4:50:50 PM



#16

Acetone

Concen: 104.704 ug/l

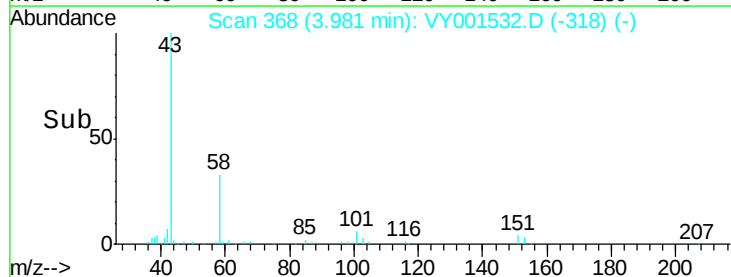
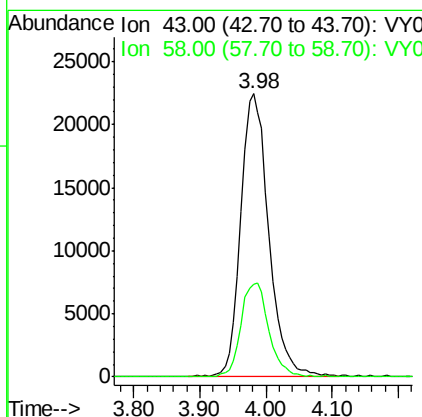
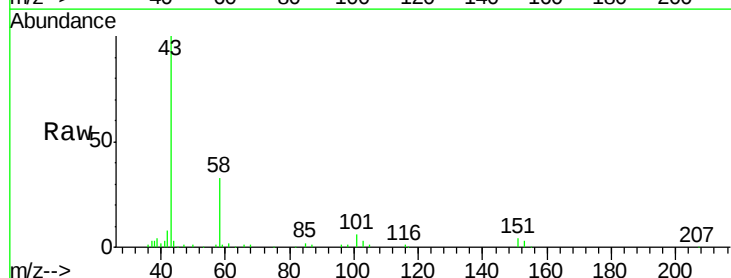
RT: 3.98 min Scan# 368

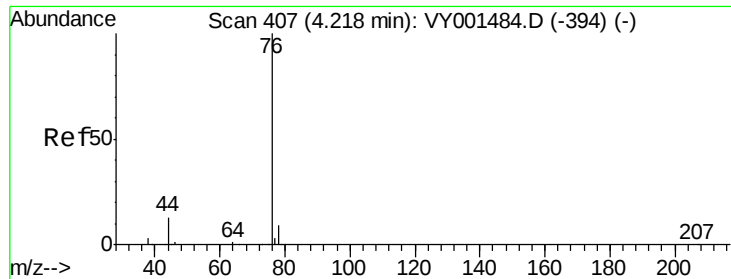
Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	43	Resp:	66382
Ion	Ratio	Lower	Upper
43	100		
58	32.6	27.5	41.3





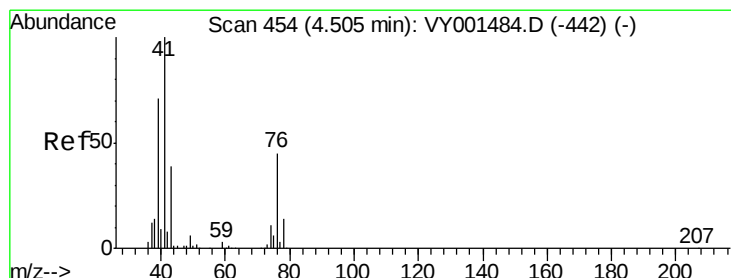
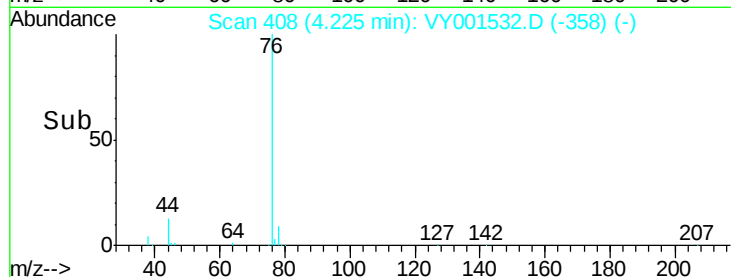
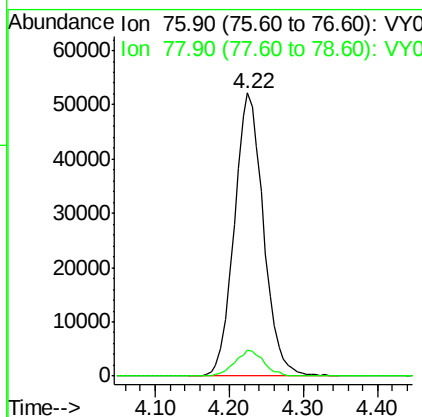
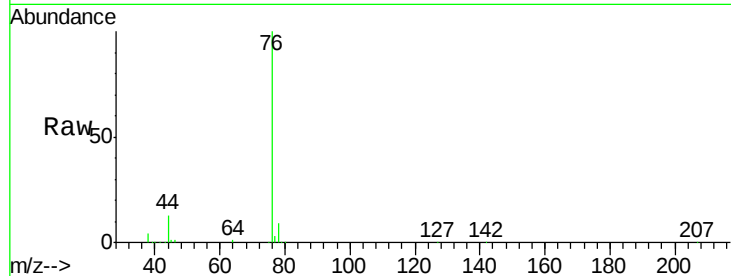
#17
Carbon Disulfide
Concen: 19.650 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

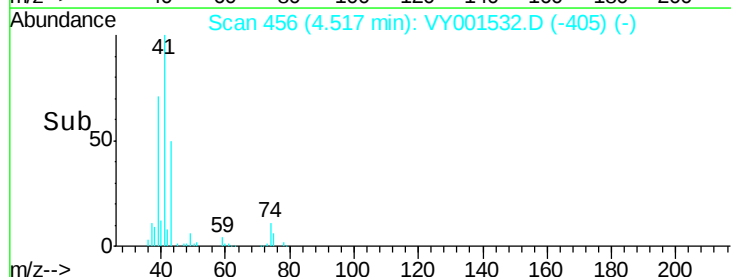
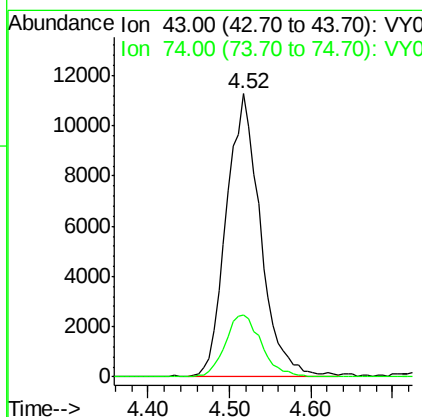
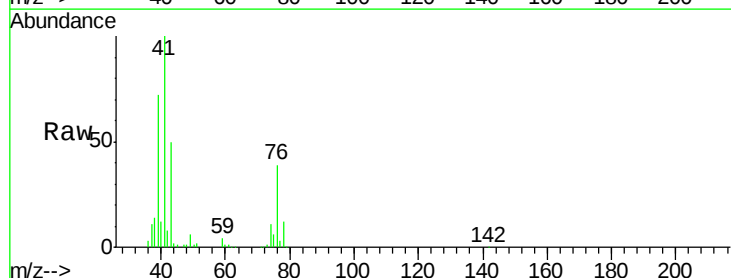
Manual Integrations
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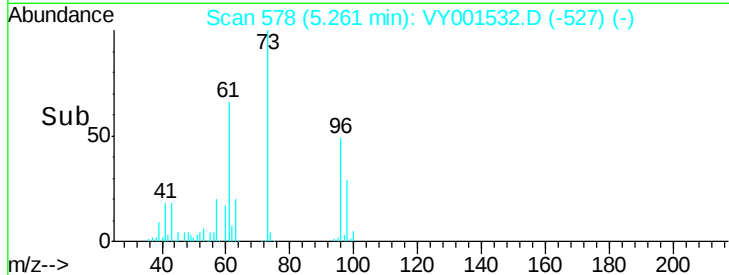
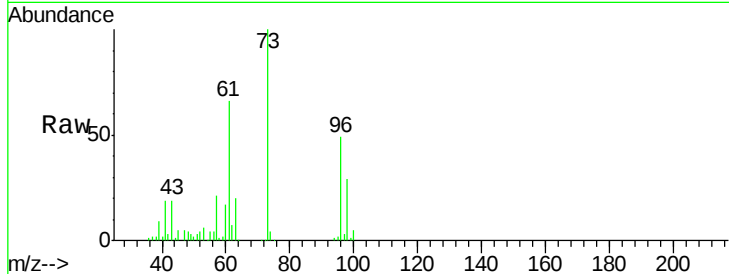
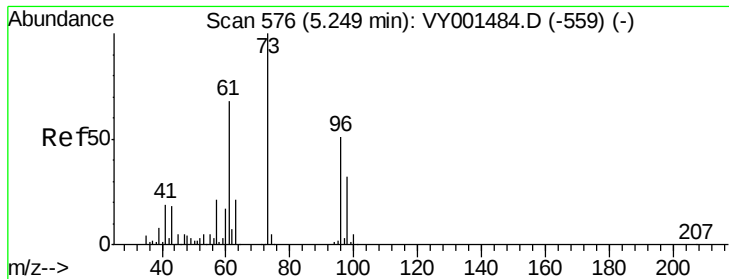
MMDadoda
2/7/2020 4:50:50 PM



#18
Methyl Acetate
Concen: 24.151 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	21.0	31.6





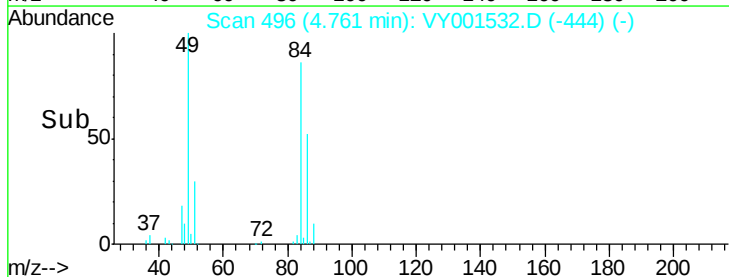
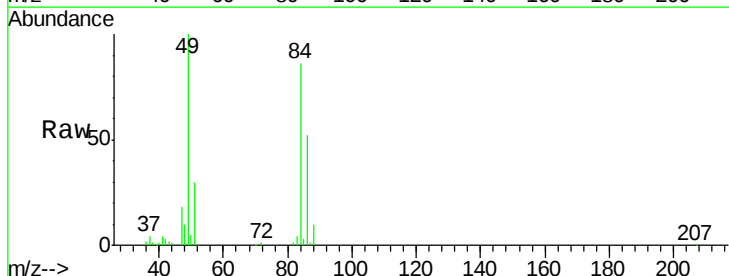
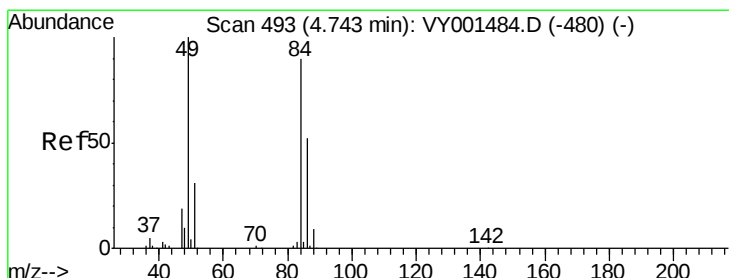
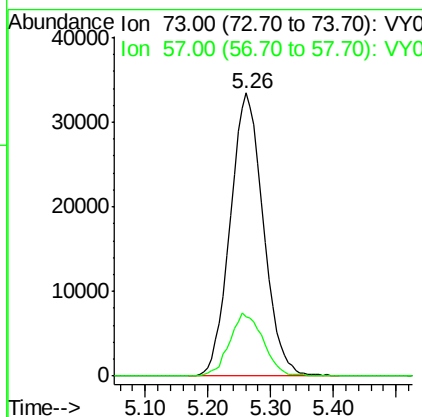
#19
Methyl tert-butyl Ether
Concen: 20.072 ug/l
RT: 5.26 min Scan# 578
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tot Ion	Ion	Ratio	Resp	Lower	Upper
73	100		122167		
57	20.9		17.0	25.6	

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

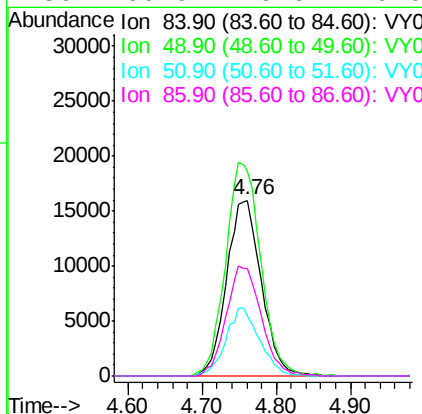
Manual Integrations
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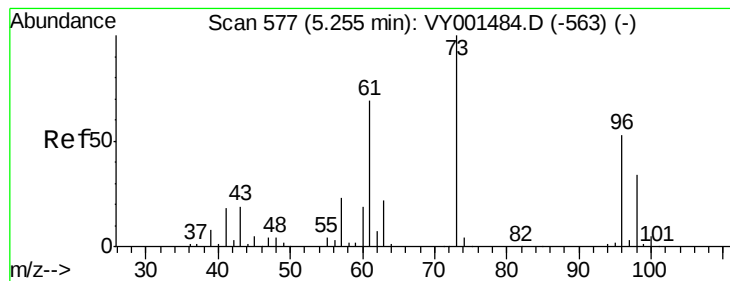
MMDadoda
2/7/2020 4:50:50 PM



#20
Methylene Chloride
Concen: 17.961 ug/l
RT: 4.76 min Scan# 496
Delta R.T. 0.02 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
84	100		52106		
49	116.5		89.0	133.6	
51	34.5		27.4	41.2	
86	60.9		46.6	70.0	





#21

trans-1,2-Dichloroethene

Concen: 19.571 ug/l

RT: 5.26 min Scan# 578

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

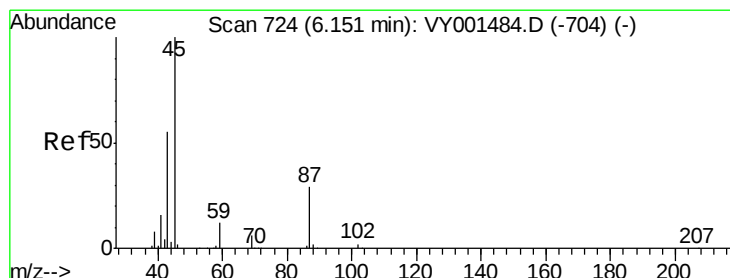
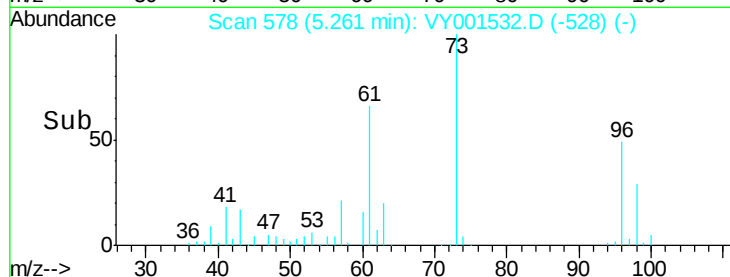
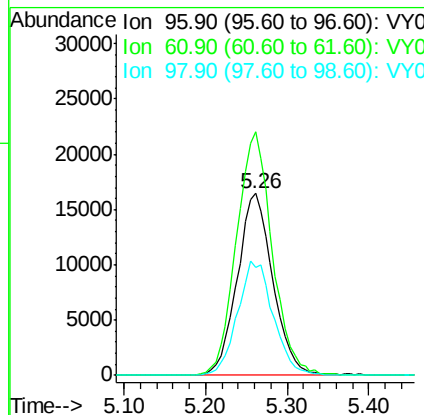
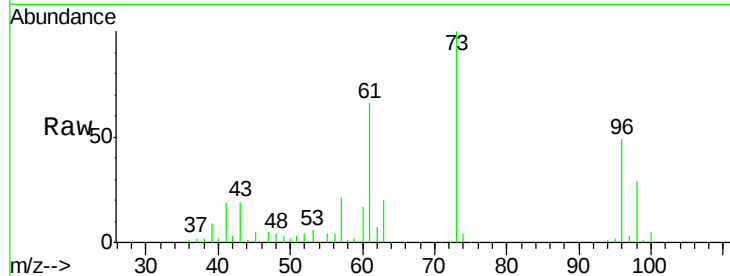
ClientSampleId :

VY0206SBS01

Tot Ion:	96	Resp:	49795
Ion	Ratio	Lower	Upper
96	100		
61	134.1	104.2	156.4
98	59.6	51.4	77.0

Manual Integrations
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2/7/2020 4:50:50 PM



#22

Diisopropyl ether

Concen: 22.195 ug/l

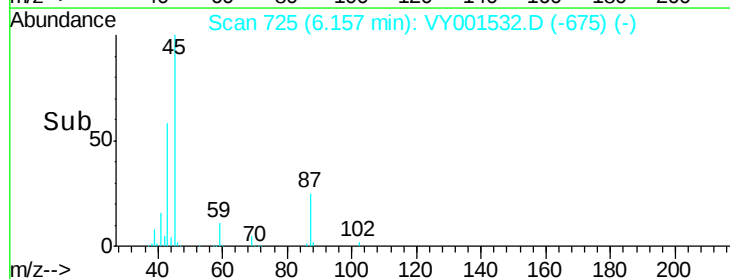
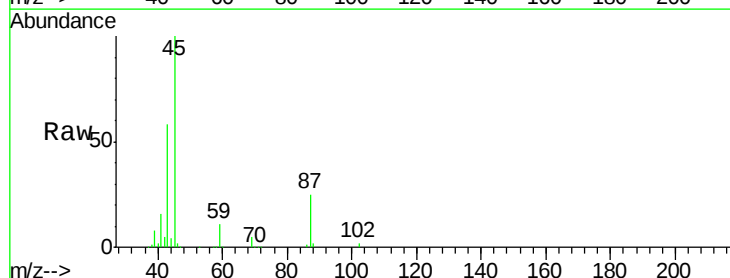
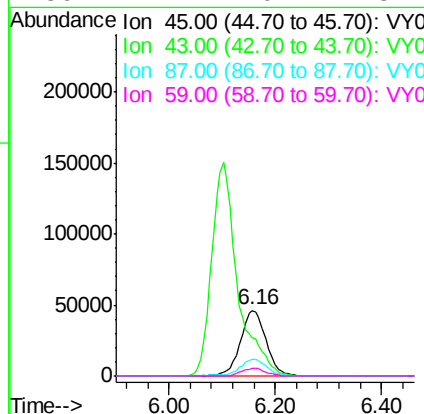
RT: 6.16 min Scan# 725

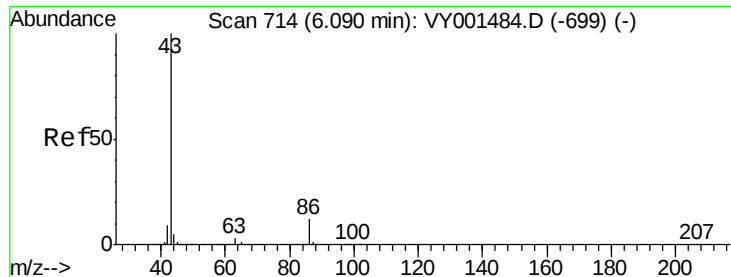
Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	45	Resp:	153953
Ion	Ratio	Lower	Upper
45	100		
43	58.0	44.2	66.4
87	25.1	23.9	35.9
59	11.2	10.2	15.2





#23

Vinyl Acetate

Concen: 114.337 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 43 Resp: 504881

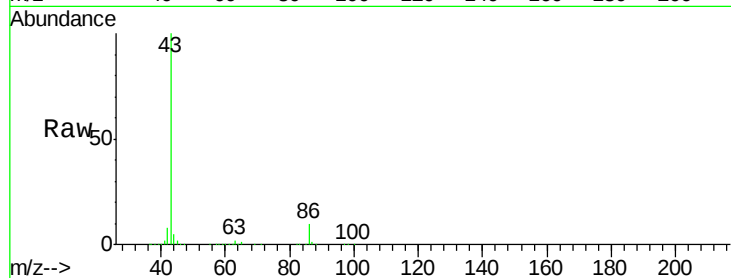
Ion Ratio Lower Upper

43 100

86 10.2 9.8 14.8

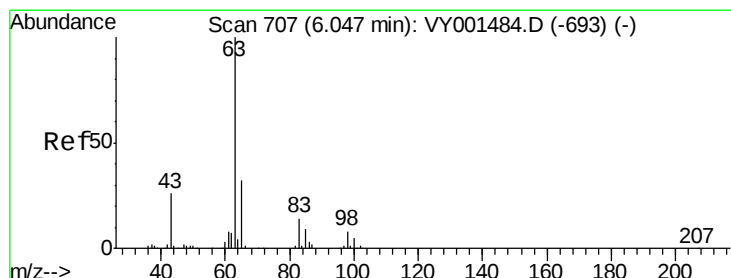
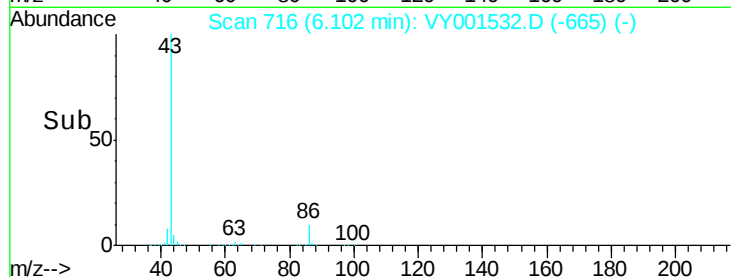
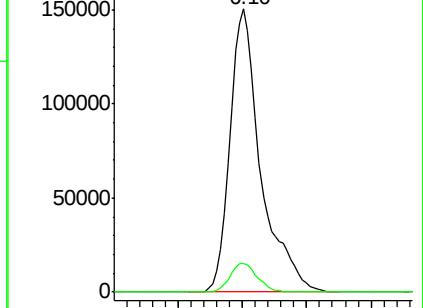
Manual Integrations
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2/7/2020 4:50:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 20.288 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

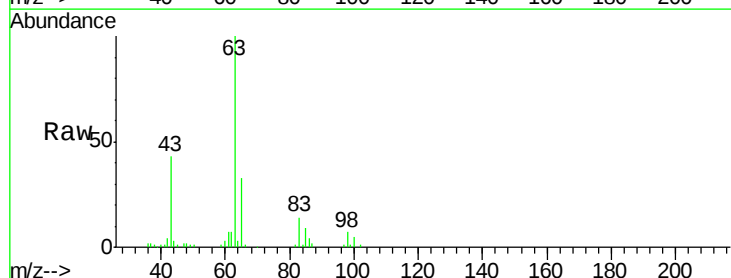
Tgt Ion: 63 Resp: 84646

Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

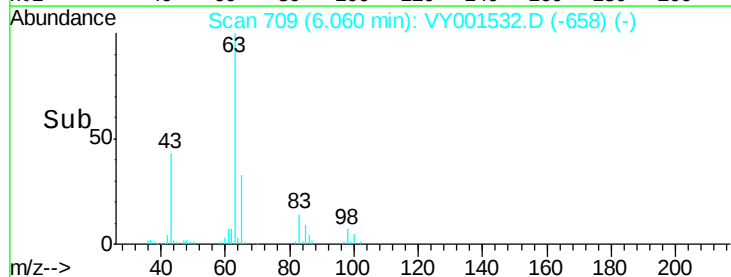
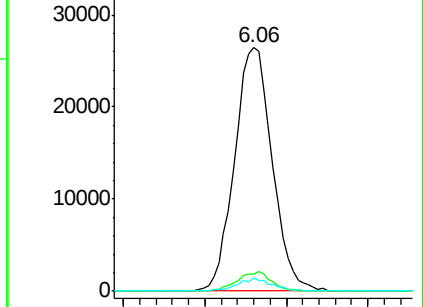
100 5.2 2.6 8.0

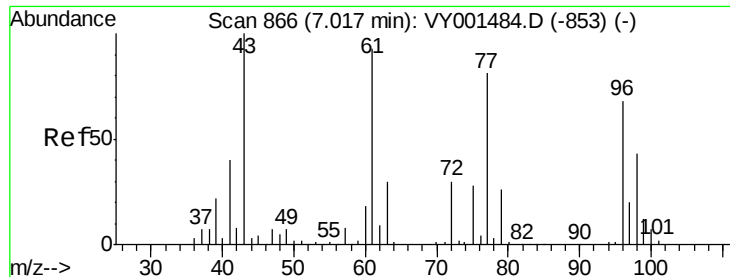


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 117.181 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 43 Resp: 96383

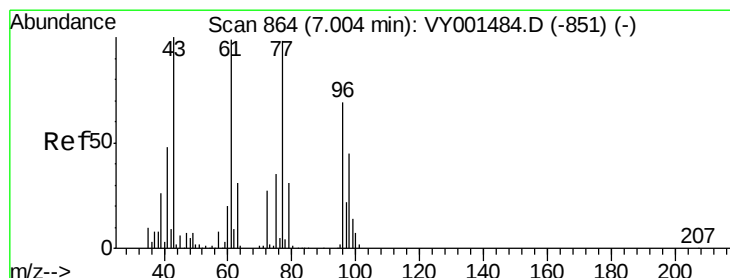
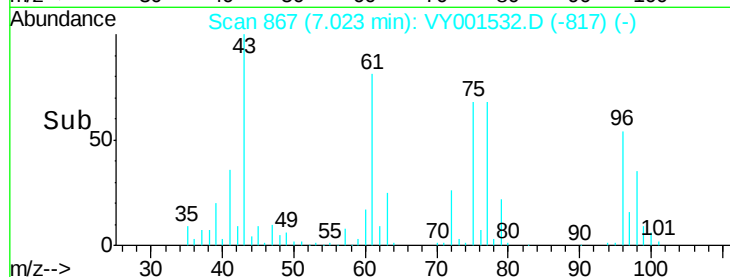
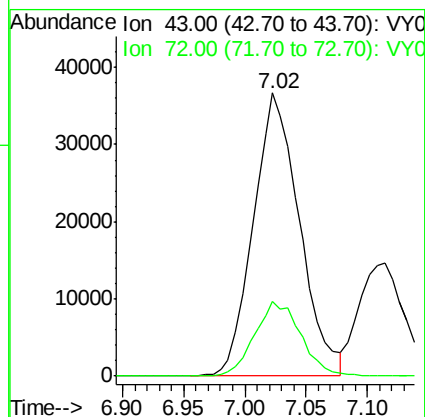
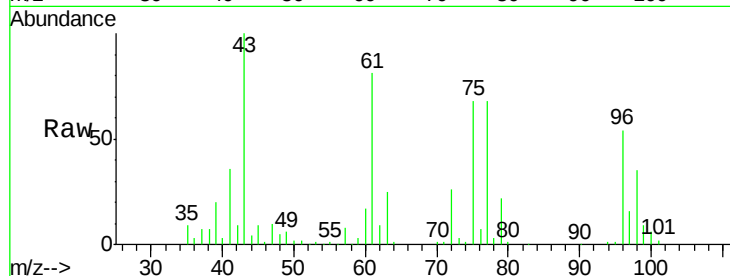
Ion Ratio Lower Upper

43 100

72 26.3 23.8 35.8

Manual Integrations
APPROVED

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2/7/2020 4:50:50 PM



#26

2,2-Dichloropropane

Concen: 19.376 ug/l

RT: 7.02 min Scan# 866

Delta R.T. 0.01 min

Lab File: VY001532.D

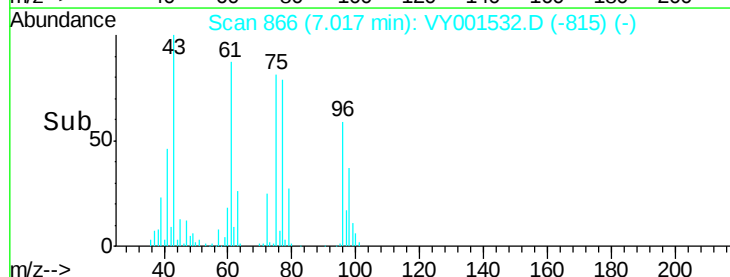
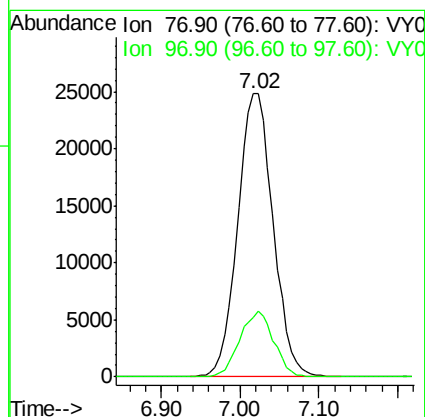
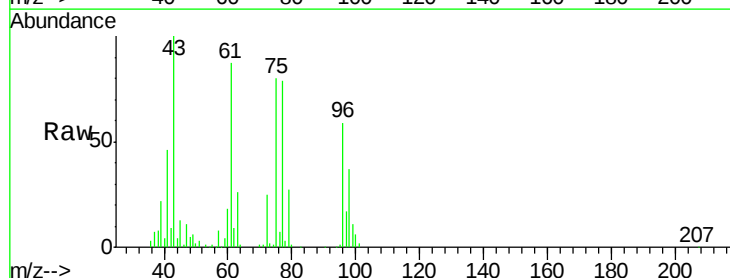
Acq: 06 Feb 2020 15:50

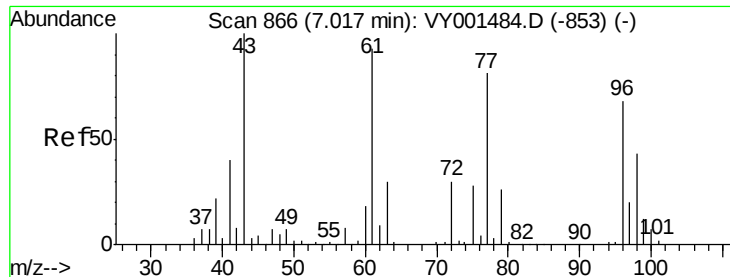
Tgt Ion: 77 Resp: 77371

Ion Ratio Lower Upper

77 100

97 22.2 11.7 35.0





#27

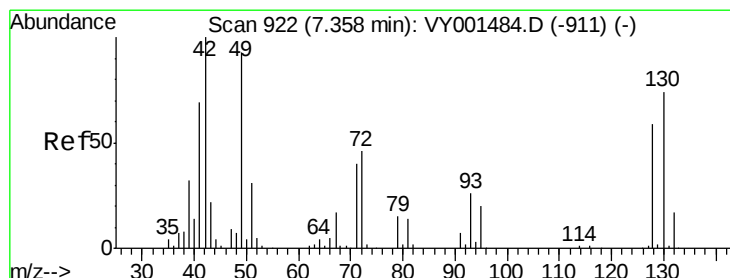
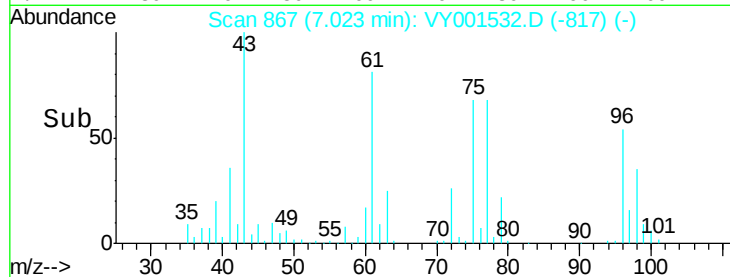
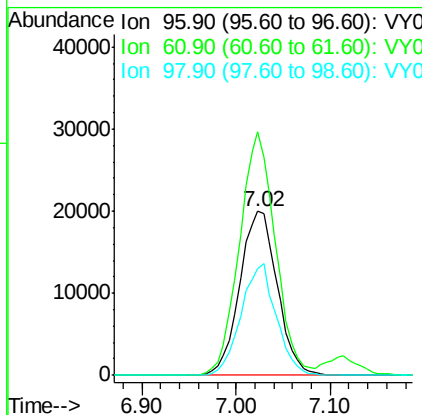
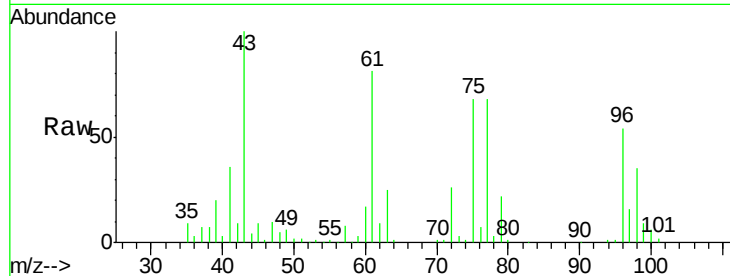
cis-1,2-Dichloroethene
Concen: 20.054 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	278.8
98	63.6	0.0	128.8

Manual Integrations
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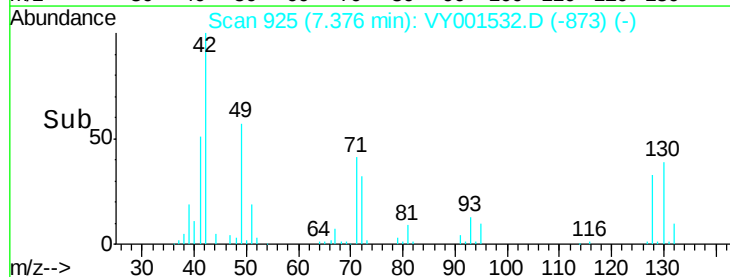
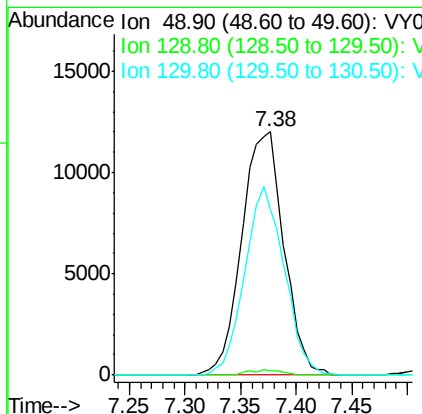
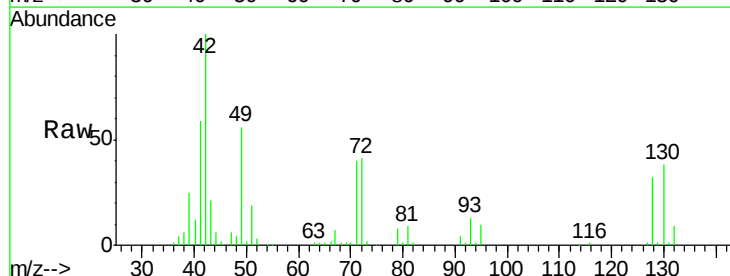
MMDadoda
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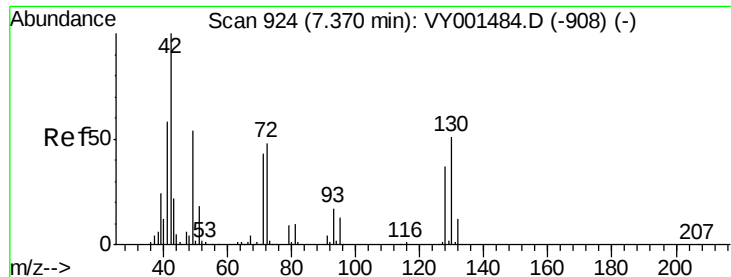


#28

Bromochloromethane
Concen: 22.239 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.02 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.8
130	72.7	65.4	98.2





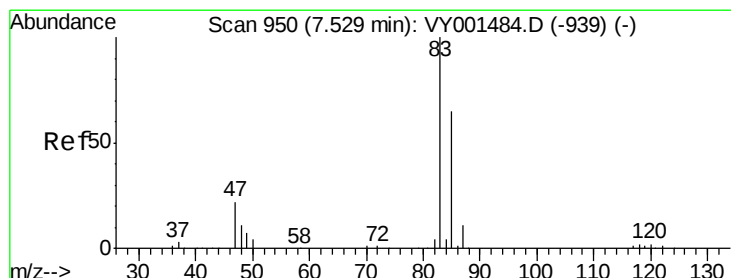
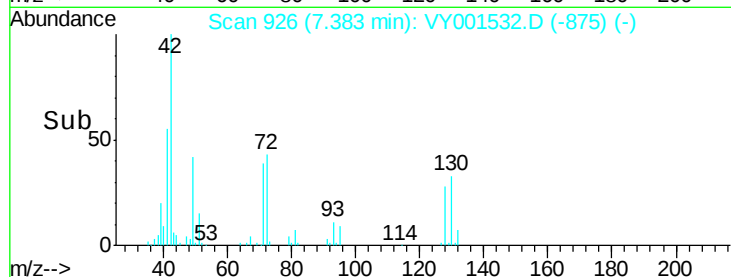
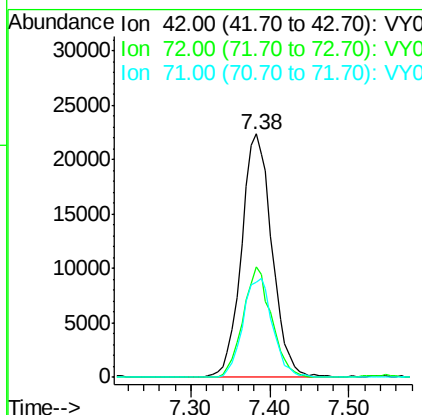
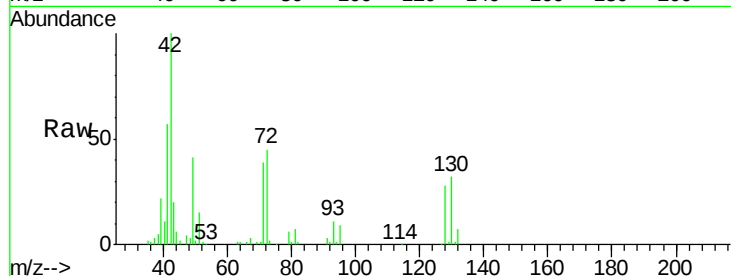
#29
Tetrahydrofuran
Concen: 122.147 ug/l
RT: 7.38 min Scan# 926
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.2	37.8	56.6
71	39.6	34.8	52.2

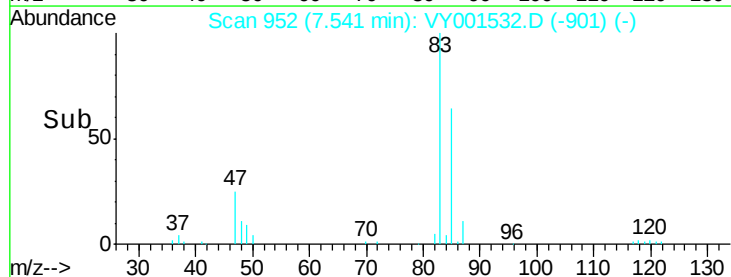
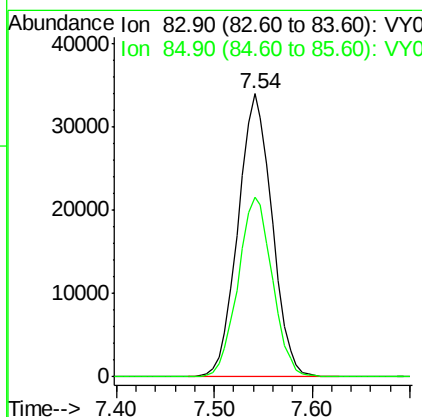
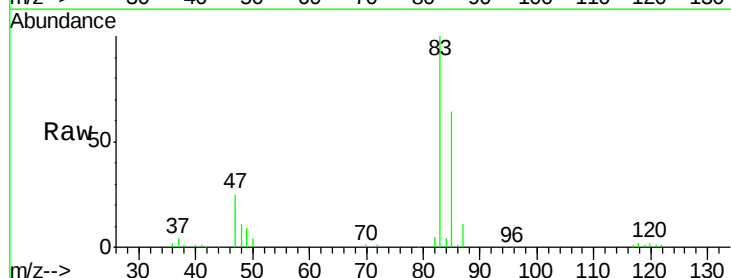
Manual Integrations
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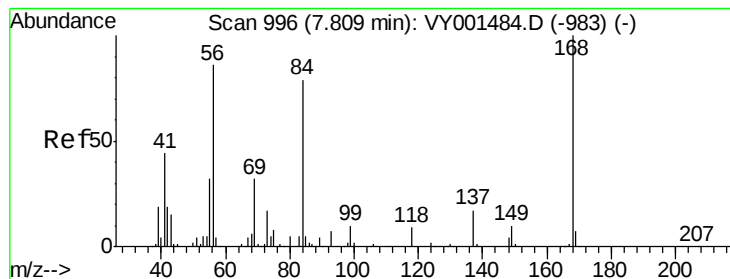
MMDadoda
2/7/2020 4:50:50 PM



#30
Chloroform
Concen: 19.369 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6





#31

Cyclohexane

Concen: 20.649 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

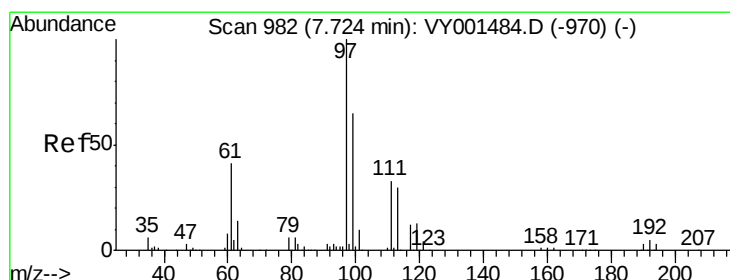
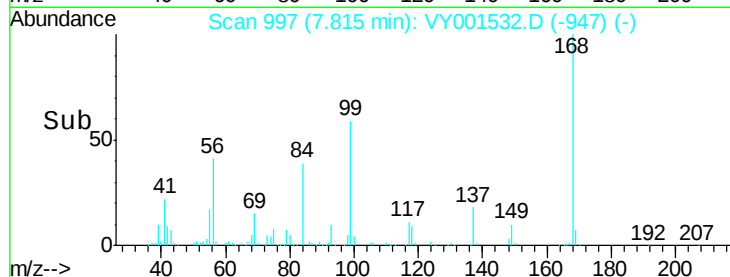
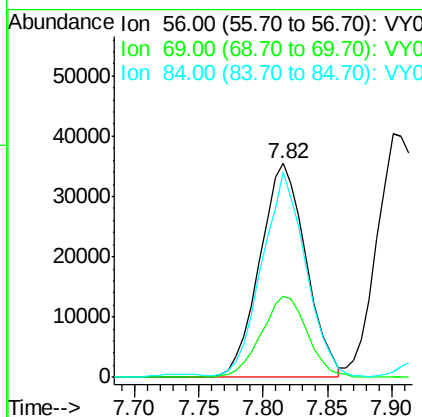
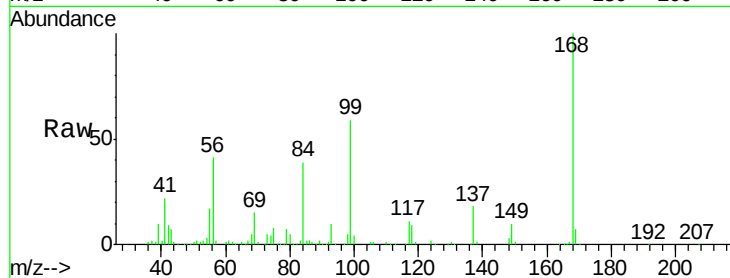
ClientSampleId :

VY0206SBS01

Tot Ion:	56	Resp:	88127
Ion Ratio	Lower	Upper	
56	100		
69	38.2	29.6	44.4
84	94.6	73.6	110.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.822 ug/l

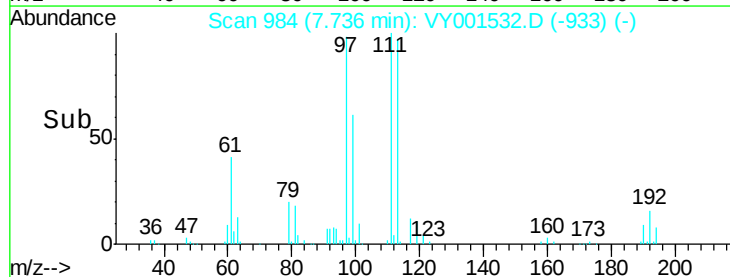
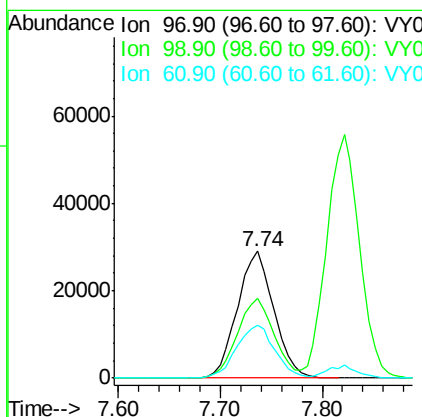
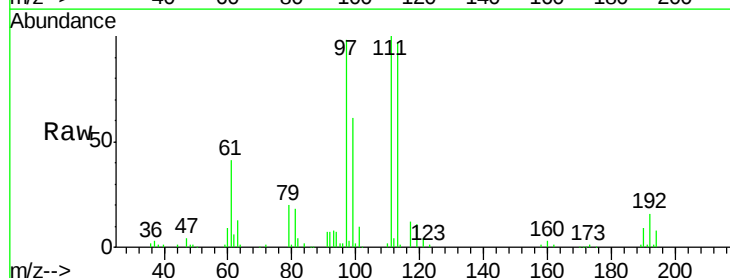
RT: 7.74 min Scan# 984

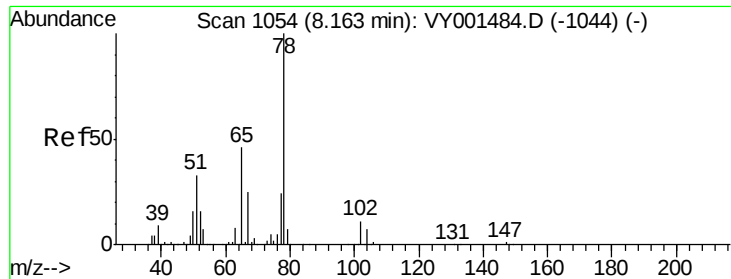
Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	97	Resp:	72122
Ion Ratio	Lower	Upper	
97	100		
99	62.8	51.8	77.8
61	43.7	32.5	48.7





#33

1,2-Dichloroethane-d4

Concen: 52.229 ug/l

RT: 8.18 min Scan# 1056

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 65 Resp: 114474

Ion Ratio Lower Upper

65 100

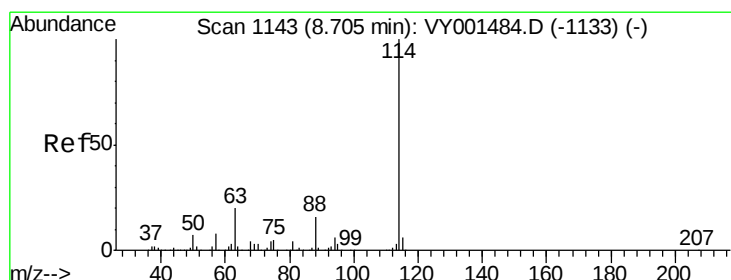
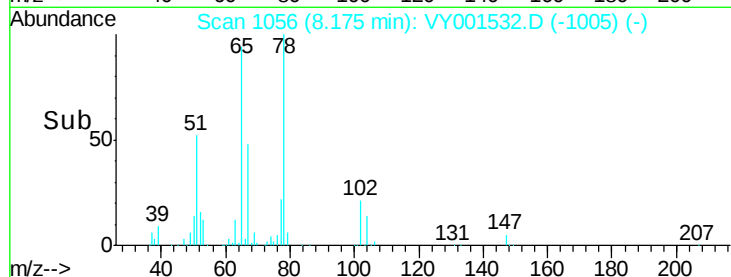
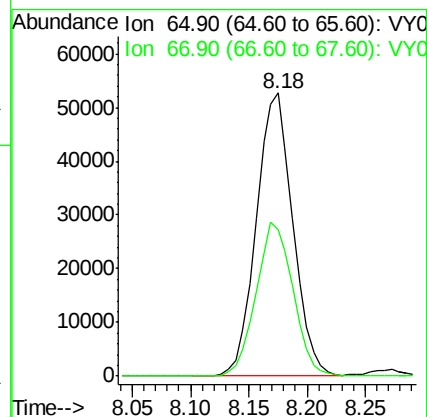
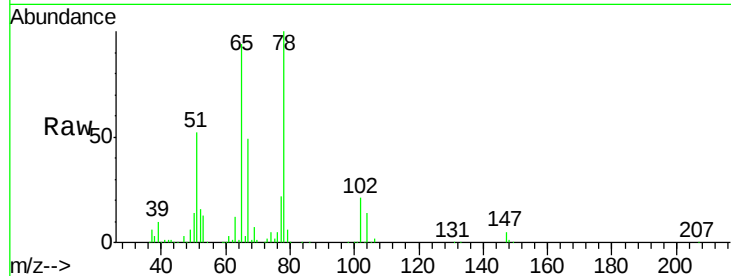
67 54.9 0.0 108.6

Manual Integrations

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2/7/2020 4:50:50 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.72 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

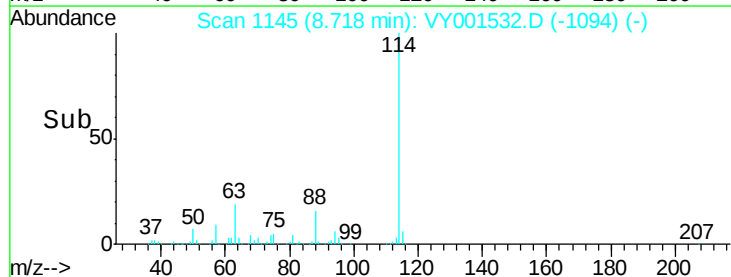
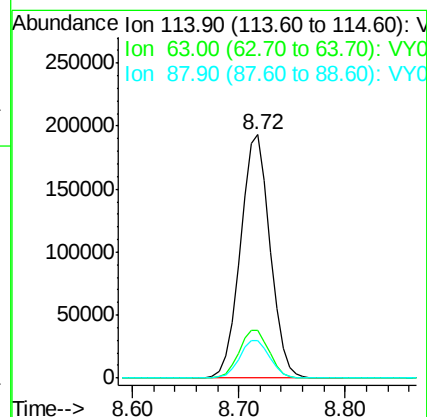
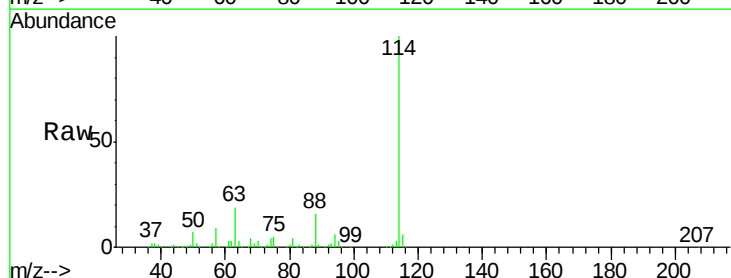
Tgt Ion: 114 Resp: 377060

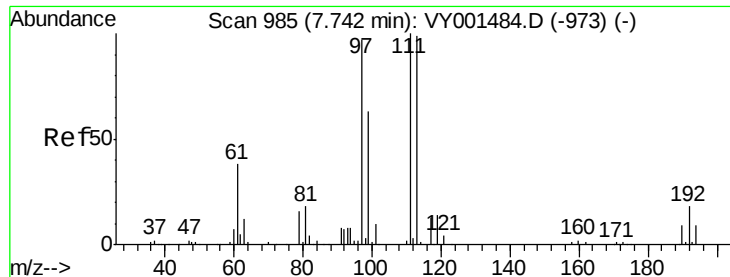
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.8

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.405 ug/l

RT: 7.75 min Scan# 986

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

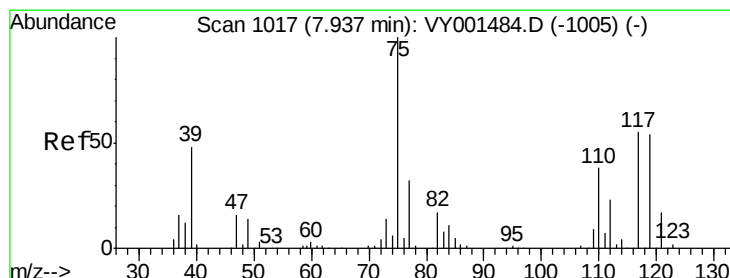
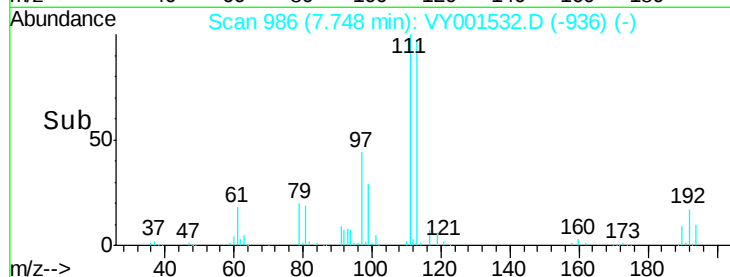
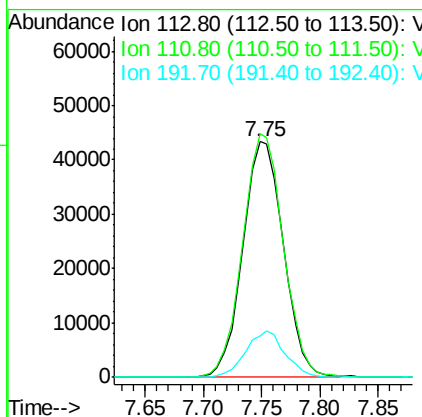
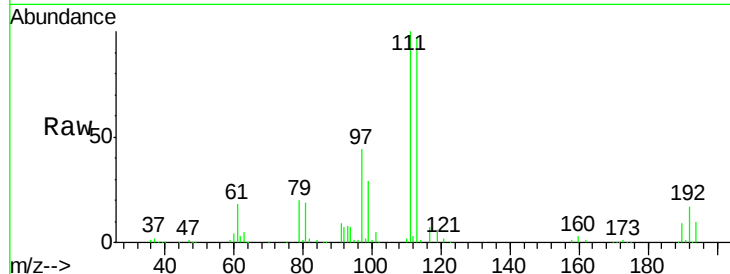
ClientSampleId :

VY0206SBS01

Tot Ion:	113	Resp:	105248
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.9	124.3
192	19.1	14.6	22.0

Manual Integrations
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2/7/2020 4:50:50 PM



#36

1,1-Dichloropropene

Concen: 20.087 ug/l

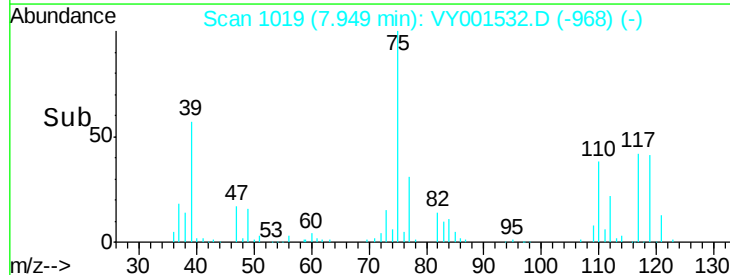
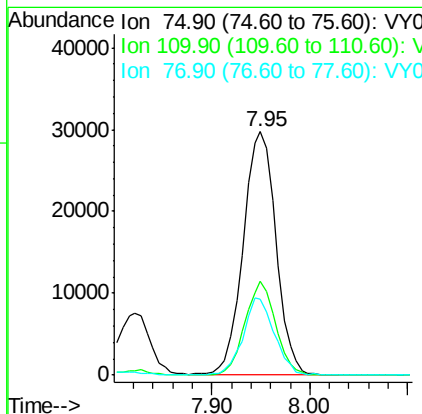
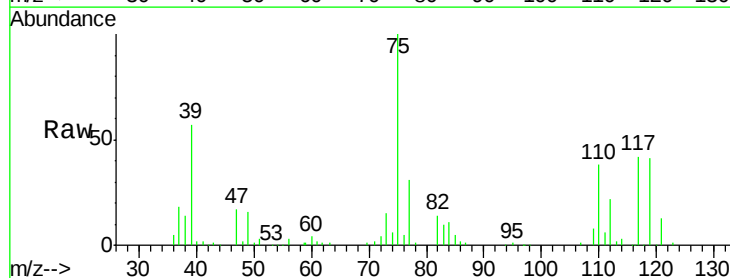
RT: 7.95 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	75	Resp:	69288
Ion Ratio	Lower	Upper	
75	100		
110	35.7	18.2	54.6
77	30.1	25.0	37.4





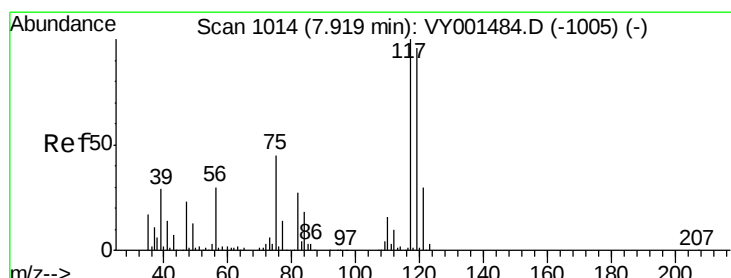
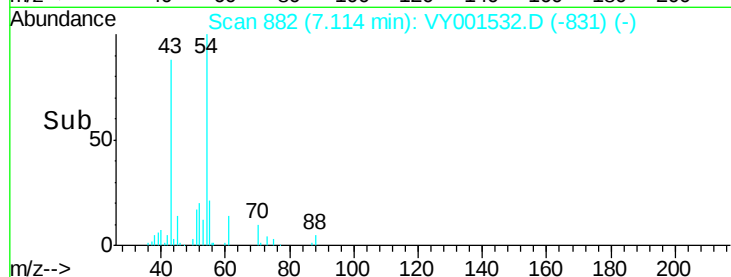
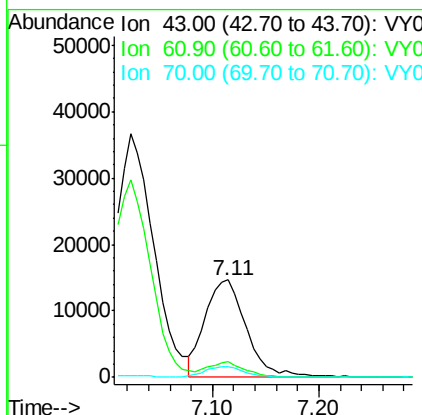
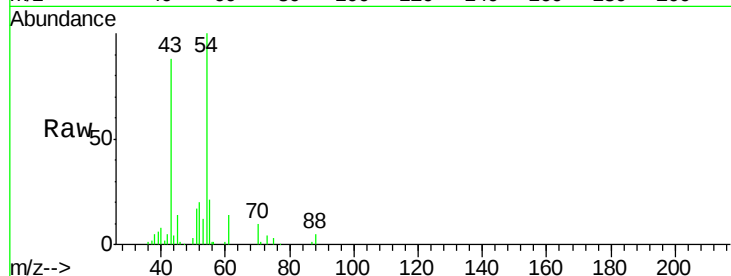
#37
Ethyl Acetate
Concen: 23.110 ug/l
RT: 7.11 min Scan# 882
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	14.4	12.0	18.0	
70	11.0	10.2	15.4	

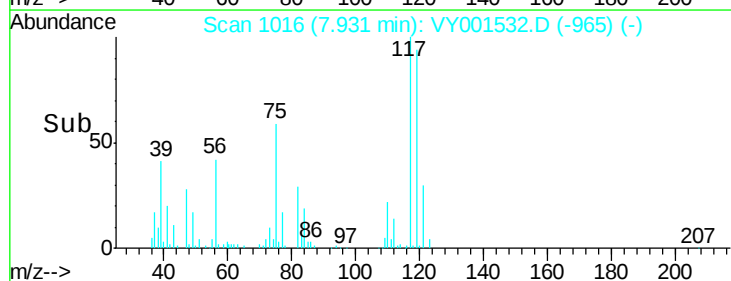
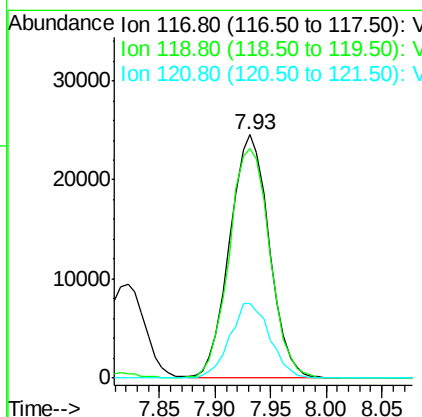
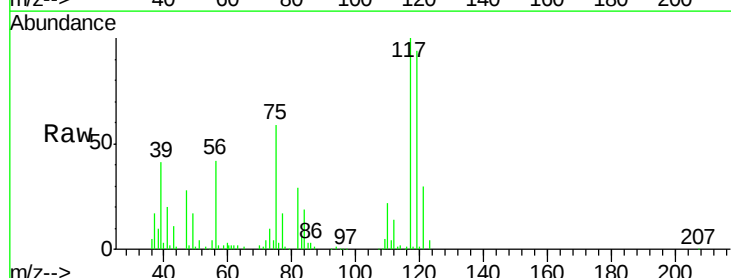
Manual Integrations
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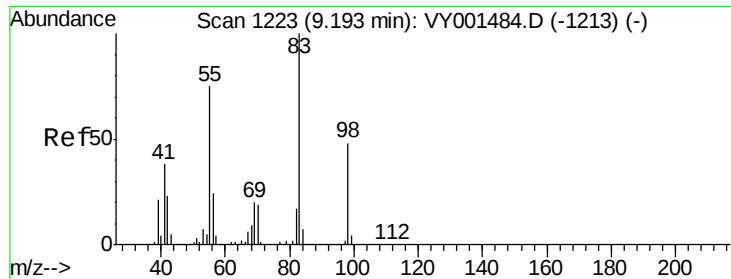
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#38
Carbon Tetrachloride
Concen: 18.194 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	94.3	76.4	114.6	
121	30.4	24.2	36.4	





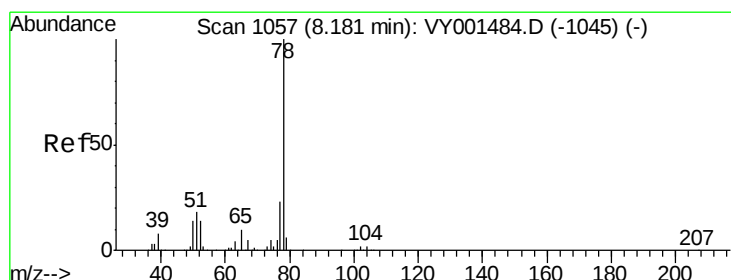
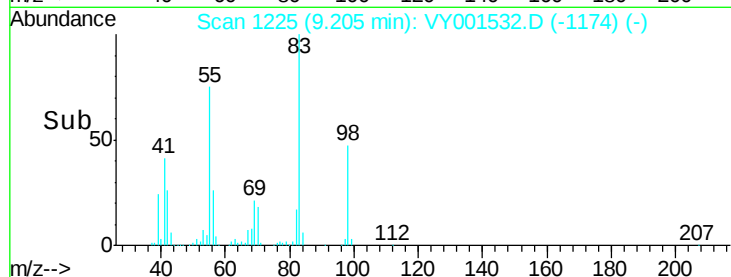
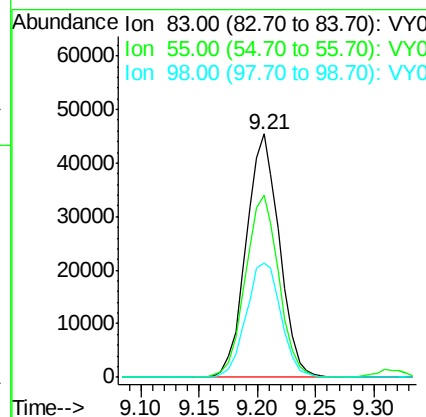
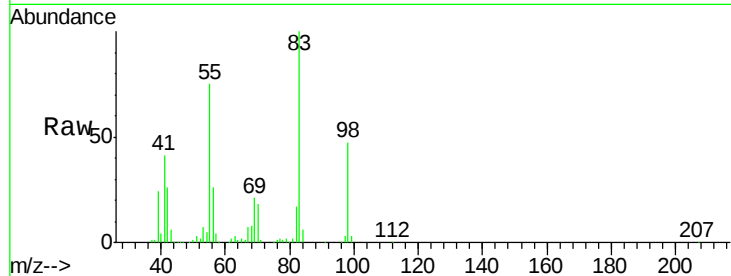
#39
Methvlcvclohexane
Concen: 19.824 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.8	59.8	89.6
98	47.2	38.6	57.8

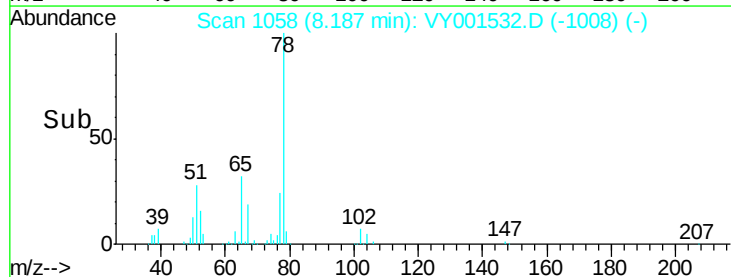
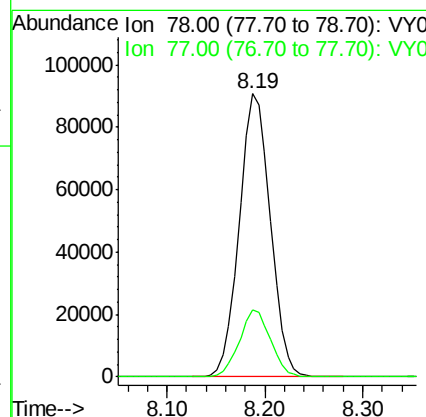
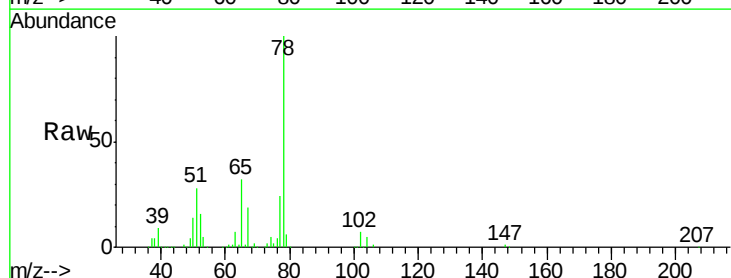
Manual Integrations
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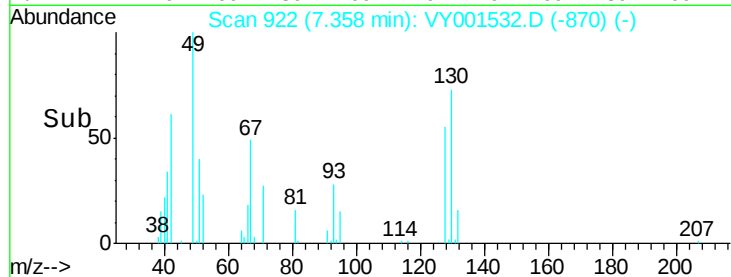
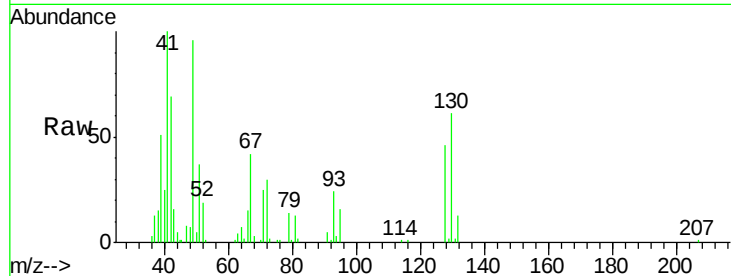
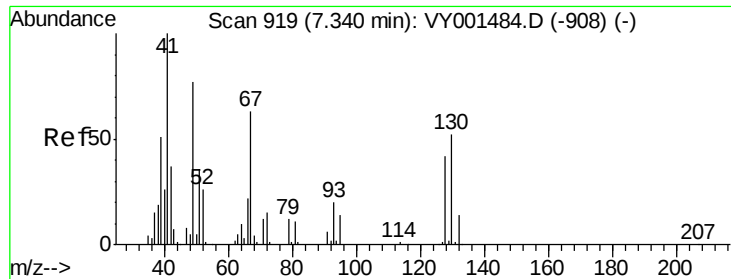
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#40
Benzene
Concen: 20.360 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.5	27.7





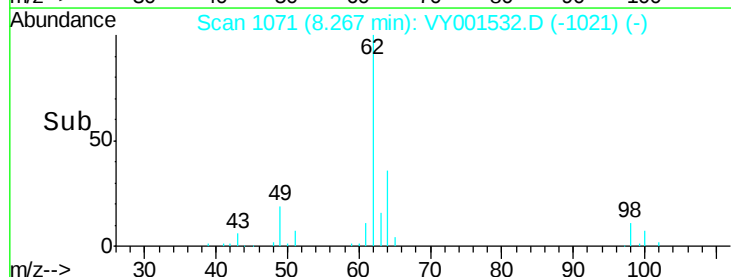
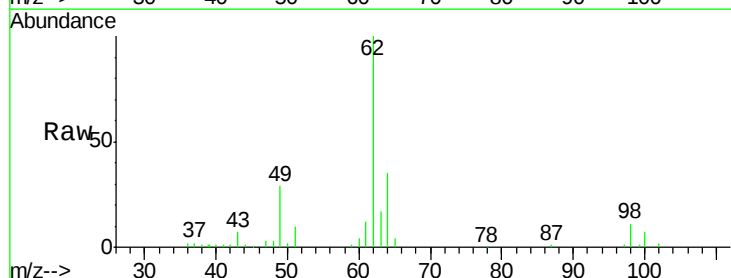
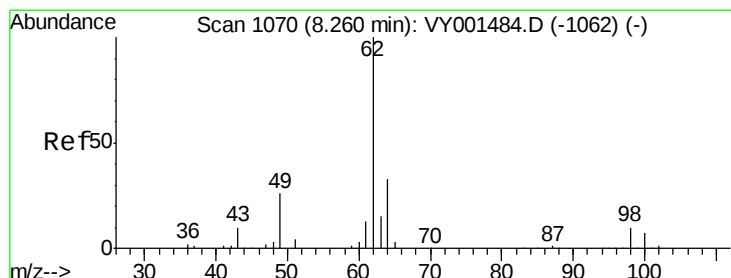
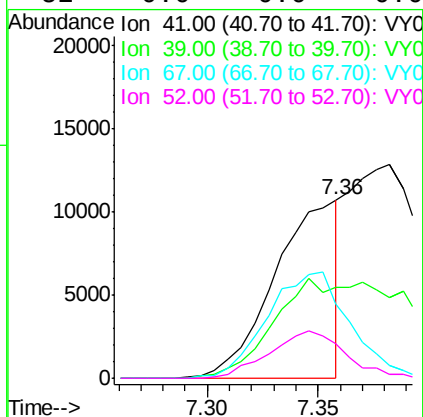
#41
Methacrylonitrile
Concen: 28.074 ug/l m
RT: 7.36 min Scan# 922
Delta R.T. 0.02 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

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

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

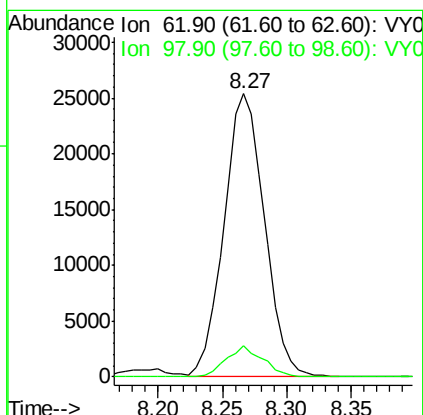
Manual Integrations
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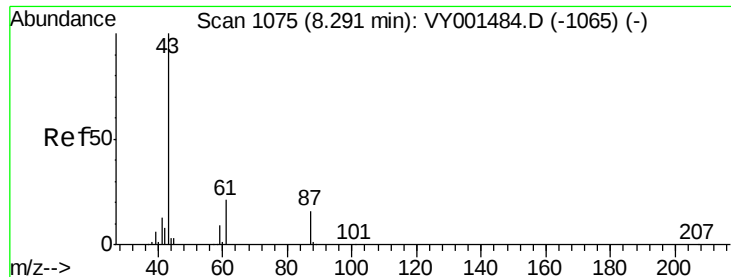
MMDadoda
2/7/2020 4:50:50 PM



#42
1,2-Dichloroethane
Concen: 20.260 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	21.0





#43

Isopropyl Acetate

Concen: 23.392 ug/l

RT: 8.30 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

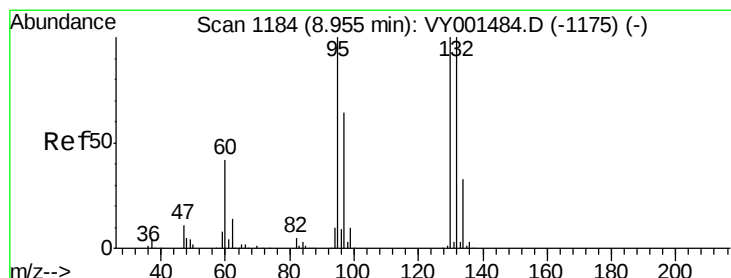
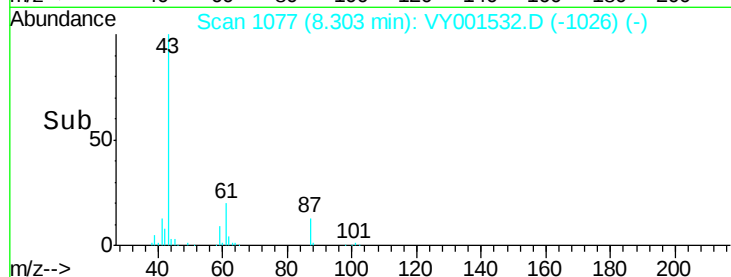
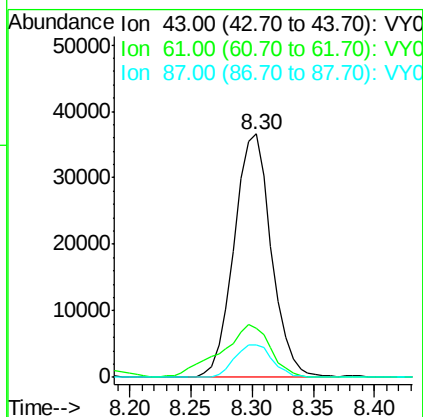
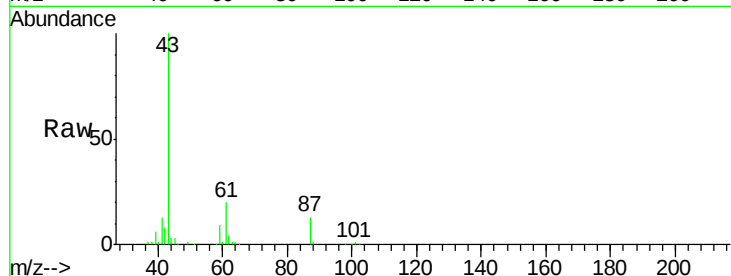
ClientSampleId :

VY0206SBS01

Tot Ion:	43	Resp:	77337
Ion Ratio	Lower	Upper	
43	100		
61	28.8	25.1	37.7
87	13.7	12.6	19.0

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2/7/2020 4:50:50 PM



#44

Trichloroethene

Concen: 19.358 ug/l

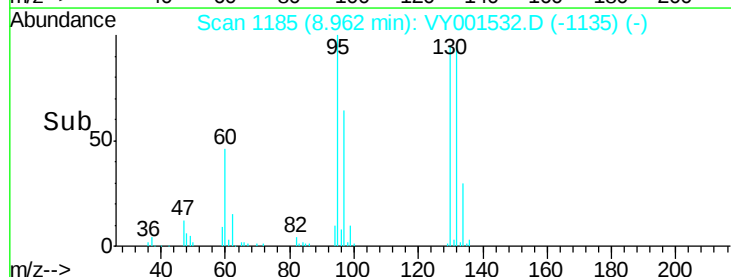
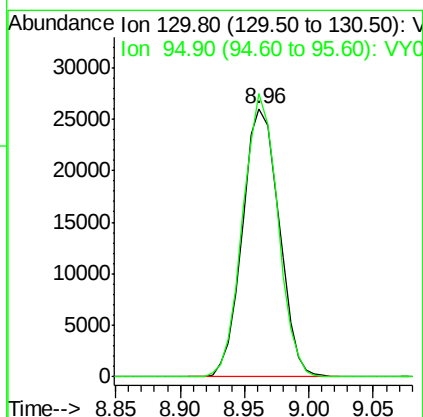
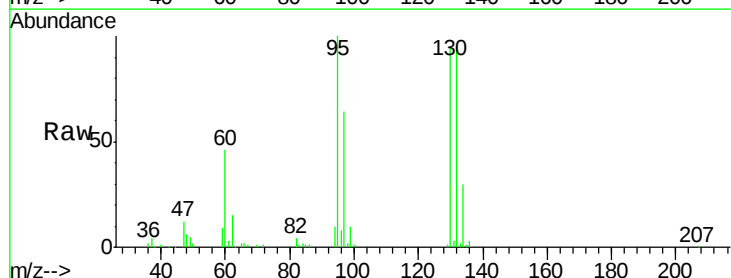
RT: 8.96 min Scan# 1185

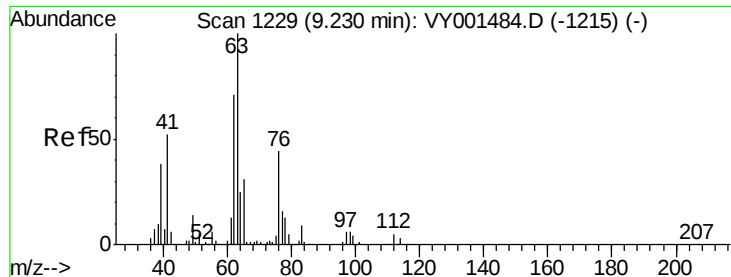
Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	130	Resp:	51338
Ion Ratio	Lower	Upper	
130	100		
95	105.4	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.642 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 63 Resp: 51418

Ion Ratio Lower Upper

63 100

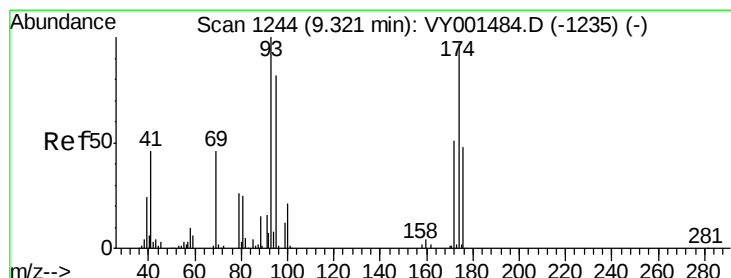
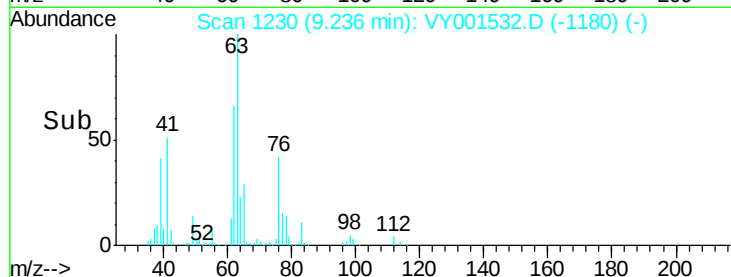
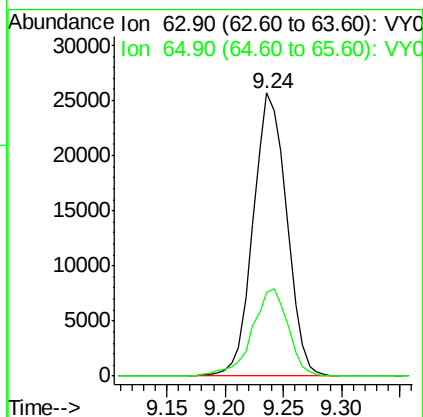
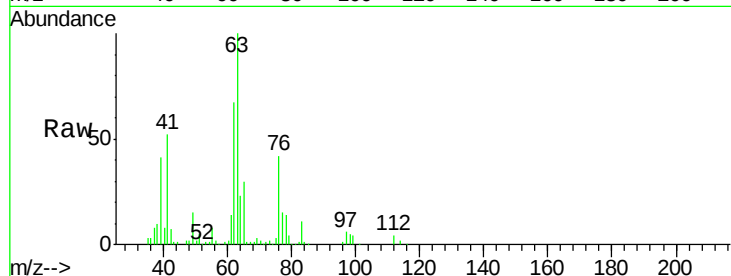
65 29.7 25.0 37.4

Manual Integrations

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#46

Dibromomethane

Concen: 19.613 ug/l

RT: 9.33 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

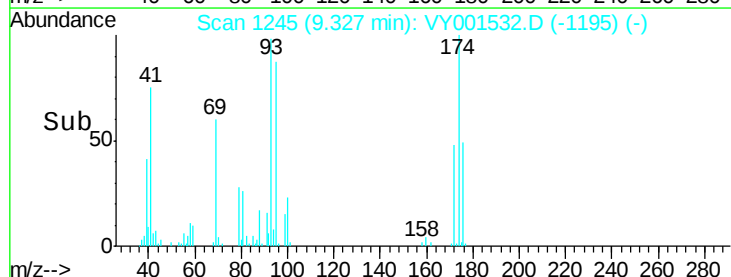
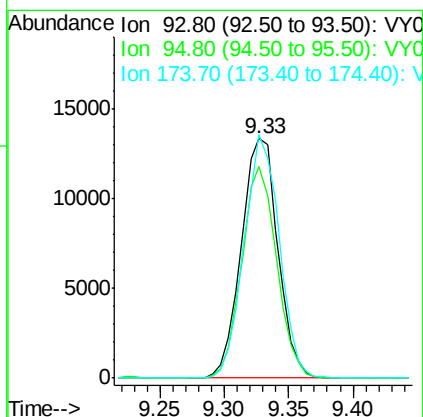
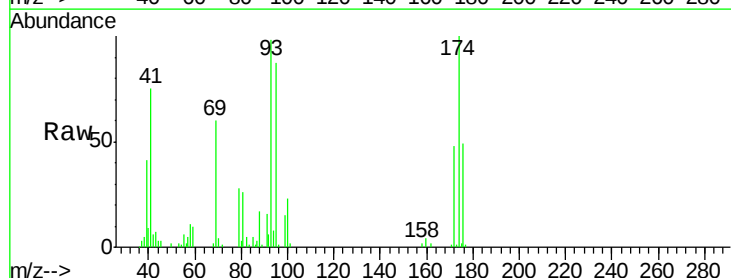
Tgt Ion: 93 Resp: 26166

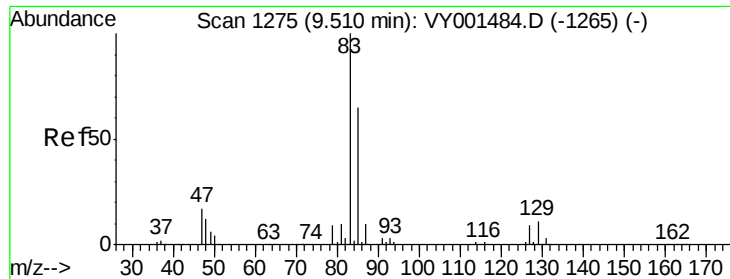
Ion Ratio Lower Upper

93 100

95 84.2 66.6 99.8

174 97.5 75.4 113.2





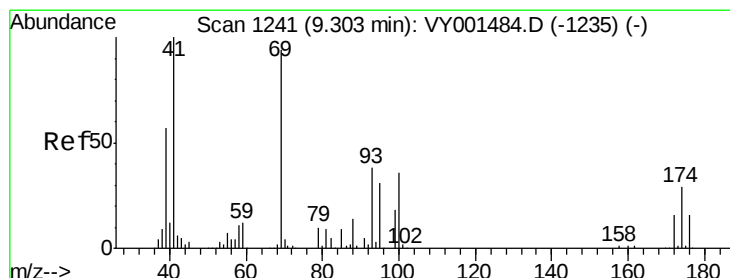
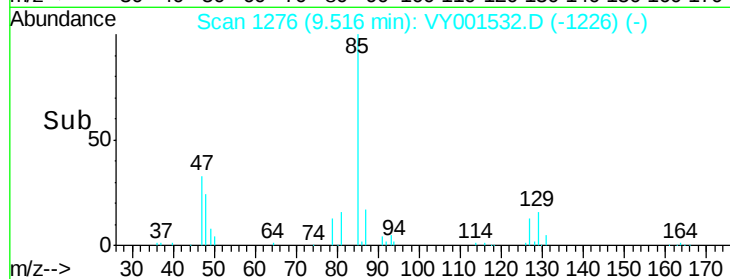
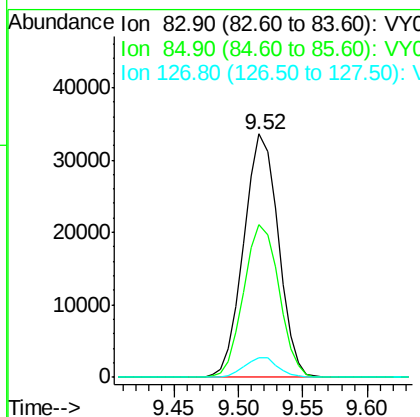
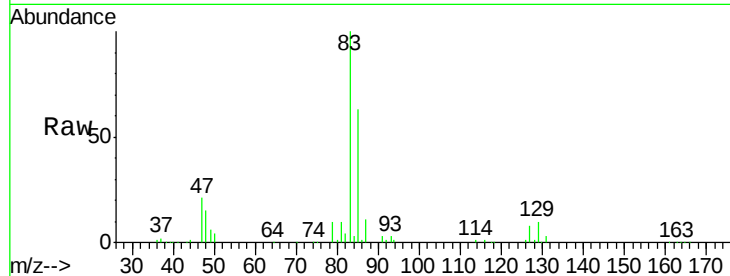
#47
Bromodichloromethane
Concen: 19.207 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.9	77.9
127	7.9	6.9	10.3

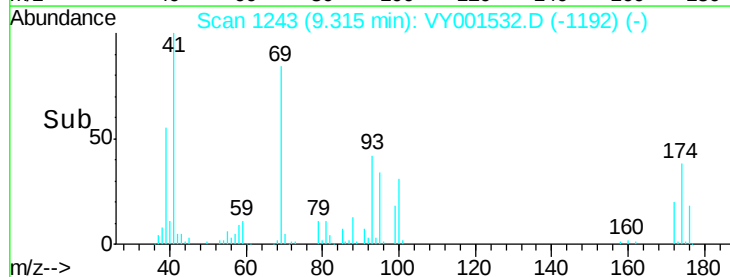
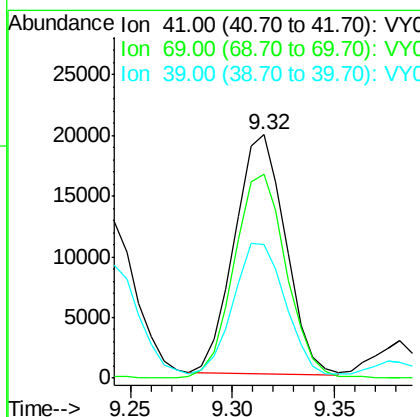
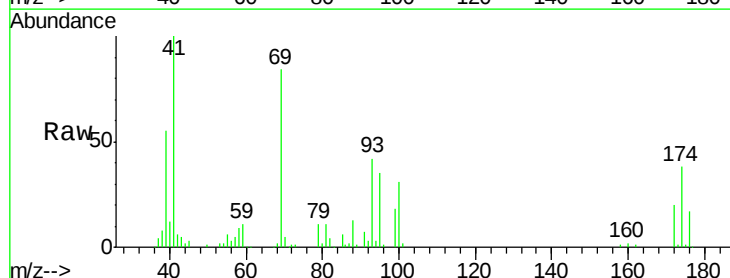
Manual Integrations
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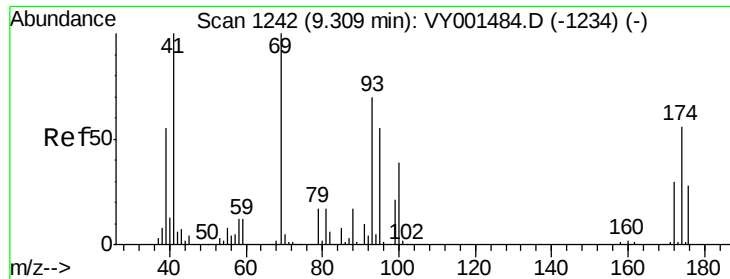
MMDadoda
2/7/2020 4:50:50 PM



#48
Methyl methacrylate
Concen: 22.864 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	87.4	76.6	114.8
39	59.0	45.4	68.0





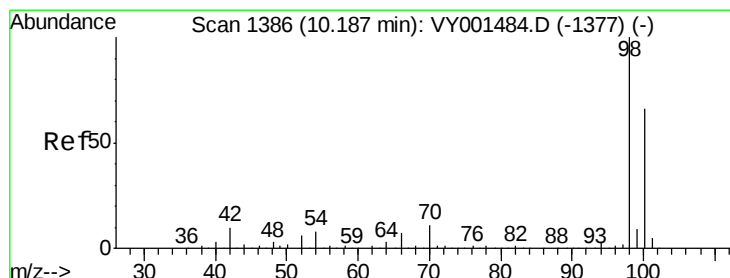
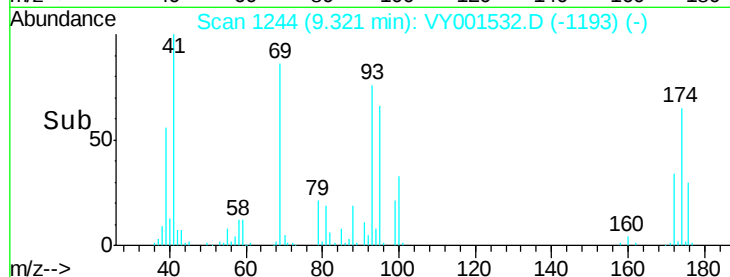
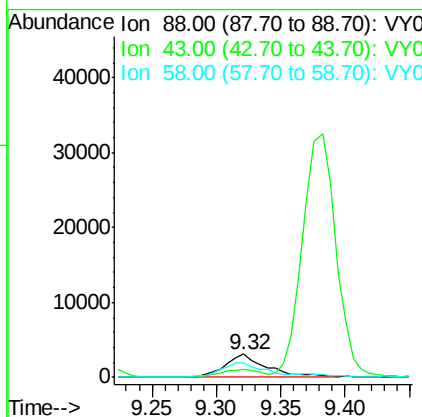
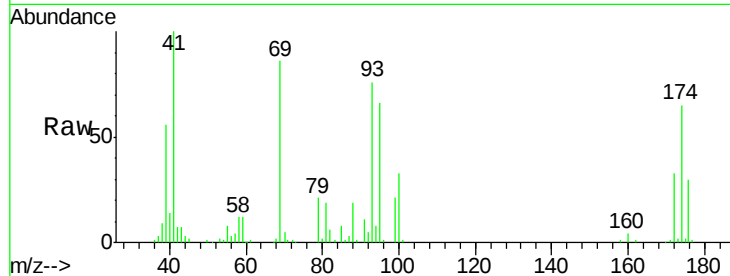
#49
1,4-Dioxane
Concen: 395.265 ug/l
RT: 9.32 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	88	Resp	6964
Ion	Ratio	Lower	Upper
88	100		
43	32.7	24.8	37.2
58	68.3	59.3	88.9

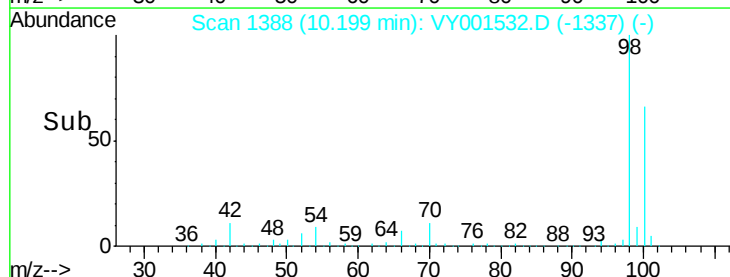
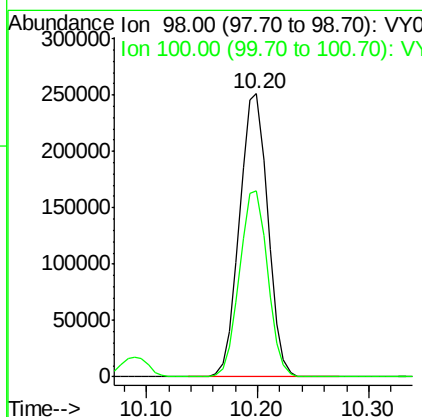
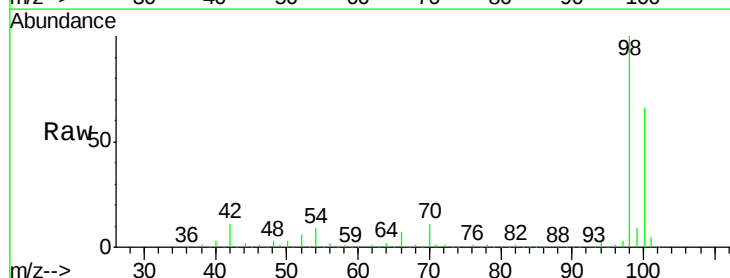
Manual Integrations
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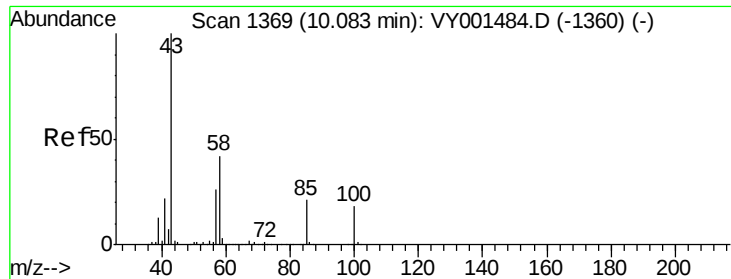
MMDadoda
2/7/2020 4:50:50 PM



#50
Toluene-d8
Concen: 53.812 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	98	Resp	442677
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 121.791 ug/l

RT: 10.09 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 43 Resp: 198300

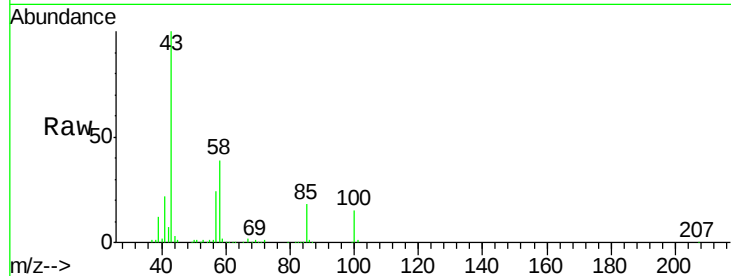
Ion Ratio Lower Upper

43 100

58 39.3 33.9 50.9

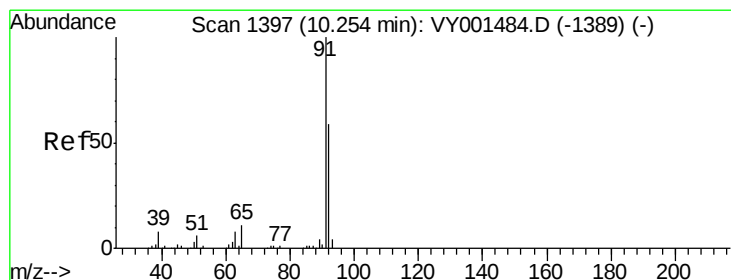
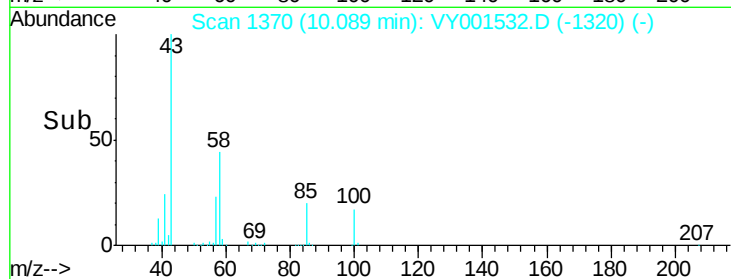
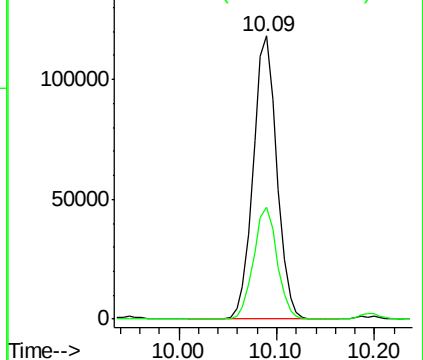
Manual Integrations
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2/7/2020 4:50:50 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



#52

Toluene

Concen: 20.218 ug/l

RT: 10.26 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VY001532.D

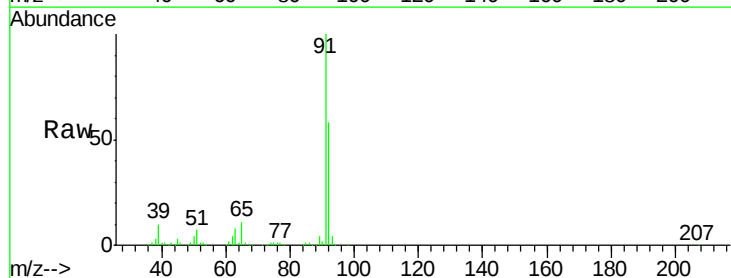
Acq: 06 Feb 2020 15:50

Tgt Ion: 92 Resp: 126215

Ion Ratio Lower Upper

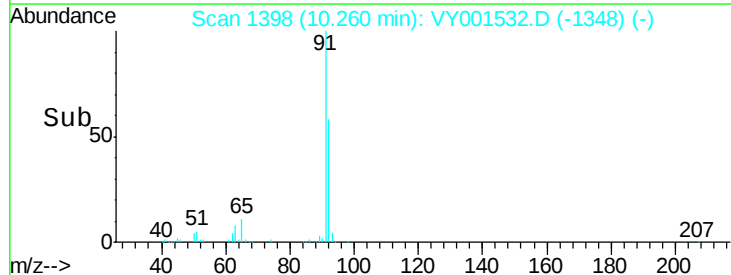
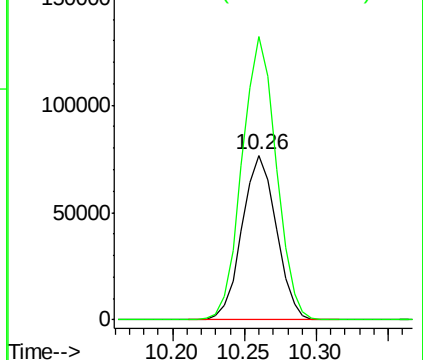
92 100

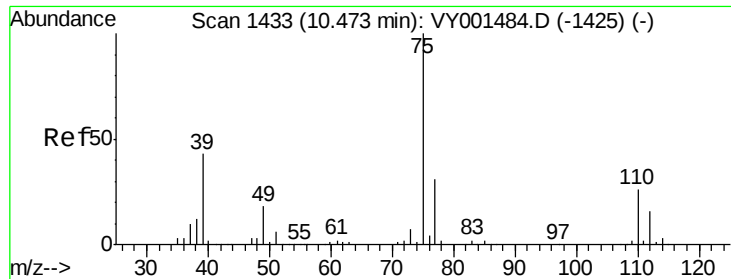
91 171.8 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY0

Ion 91.00 (90.70 to 91.70): VY0





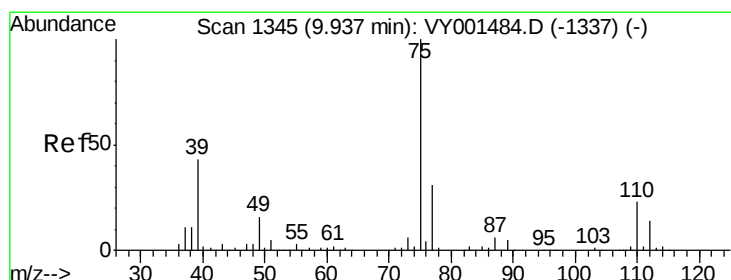
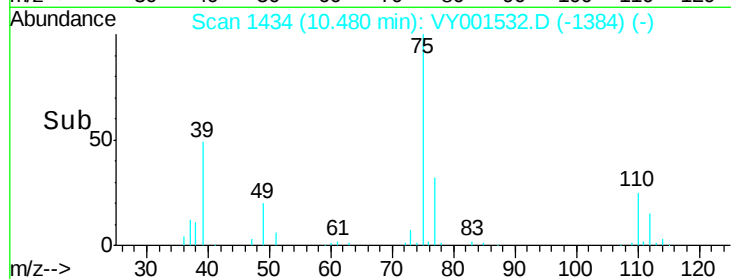
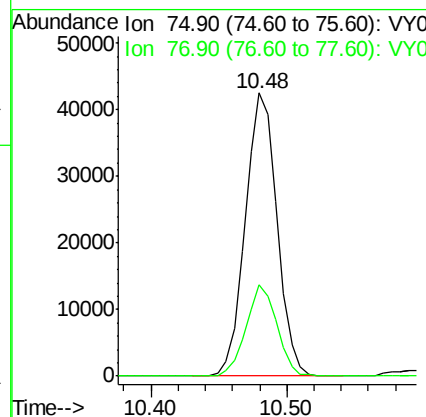
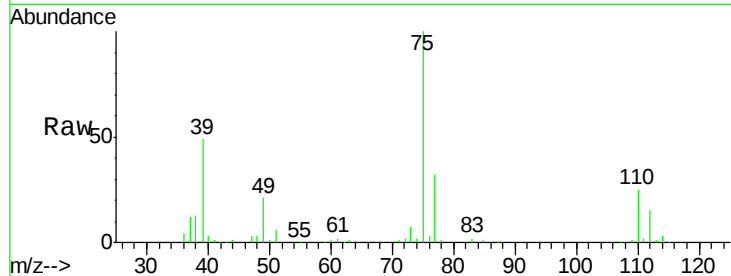
#53
 t-1,3-Dichloropropene
 Concen: 19.589 ug/l
 RT: 10.48 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion: 75 Resp: 69354
 Ion Ratio Lower Upper
 75 100
 77 32.3 24.9 37.3

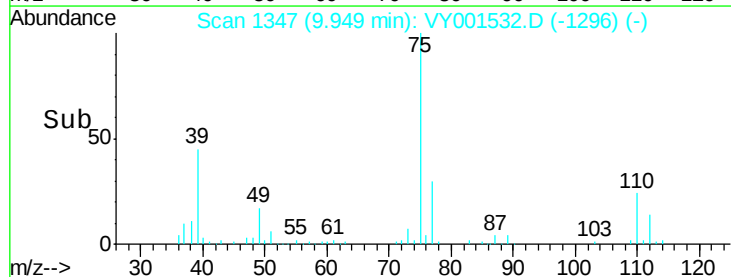
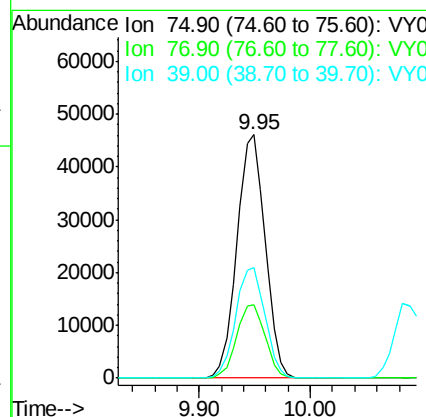
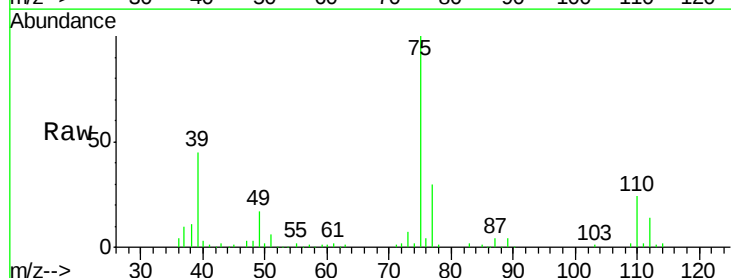
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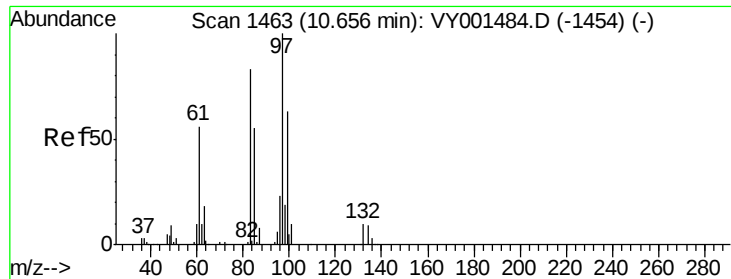
MMDadoda
 2/7/2020 4:50:50 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.910 ug/l
 RT: 9.95 min Scan# 1347
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion: 75 Resp: 80924
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.7 37.1
 39 45.4 34.0 51.0





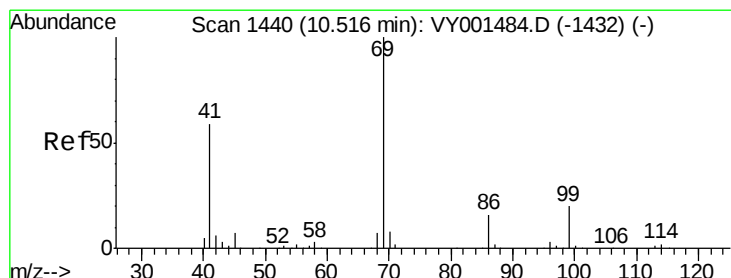
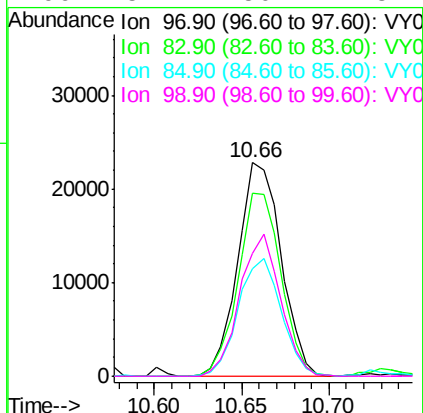
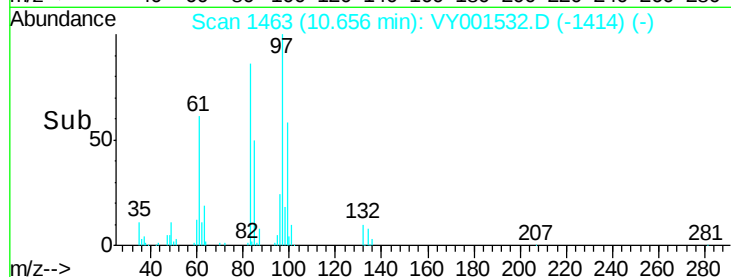
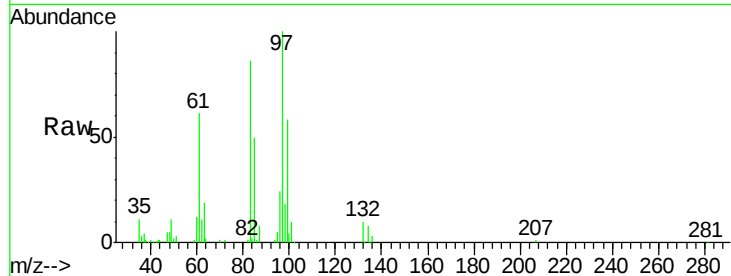
#55
 1,1,2-Trichloroethane
 Concen: 20.604 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		39438		
83	85.7	66.2	99.2		
85	50.4	43.8	65.6		
99	57.7	50.1	75.1		

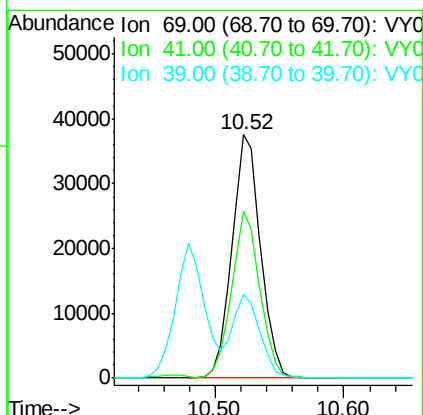
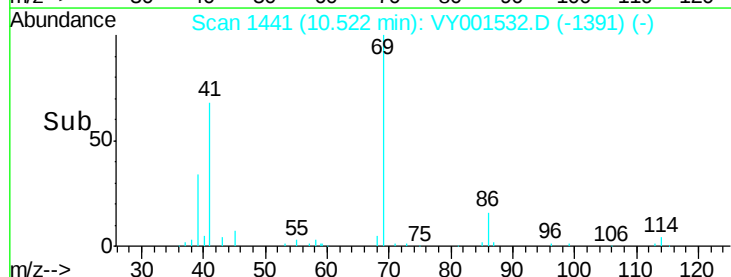
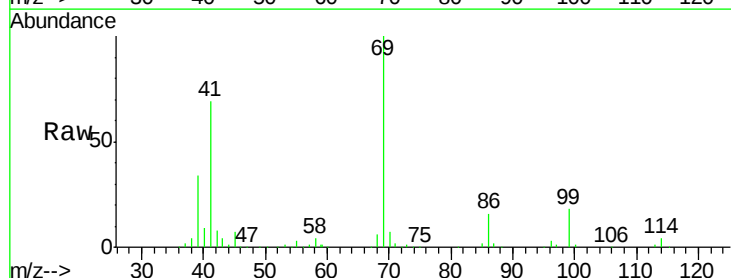
Manual Integrations
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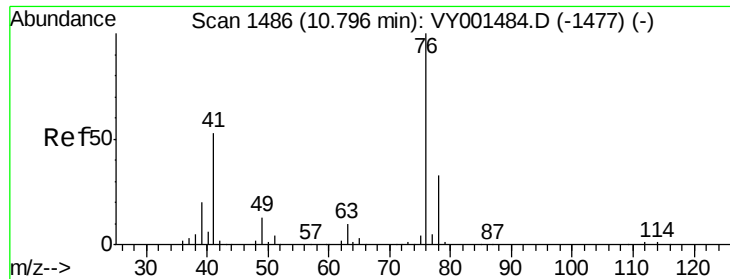
MMDadoda
 2/7/2020 4:50:50 PM



#56
 Ethyl methacrylate
 Concen: 21.352 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		58130		
41	67.8	47.8	71.8		
39	33.5	24.4	36.6		





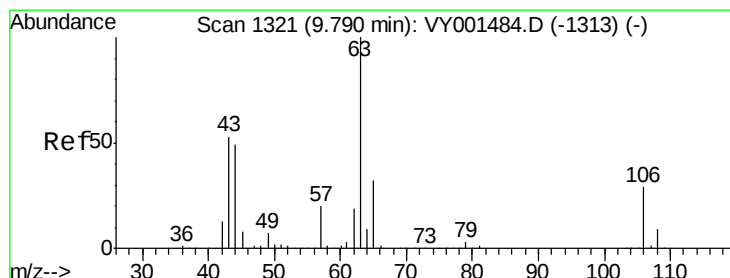
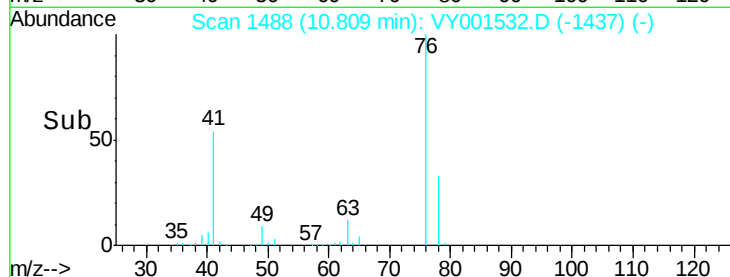
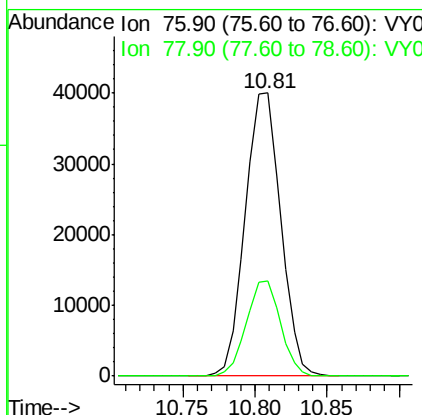
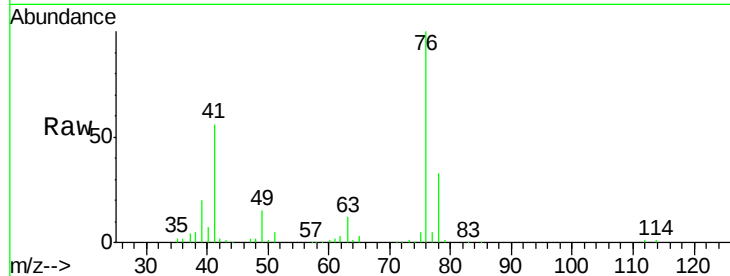
#57
 1,3-Dichloropropane
 Concen: 20.268 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

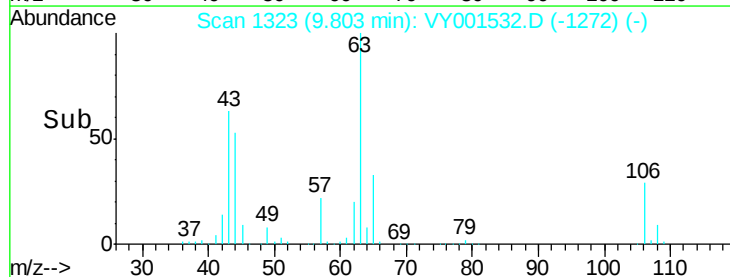
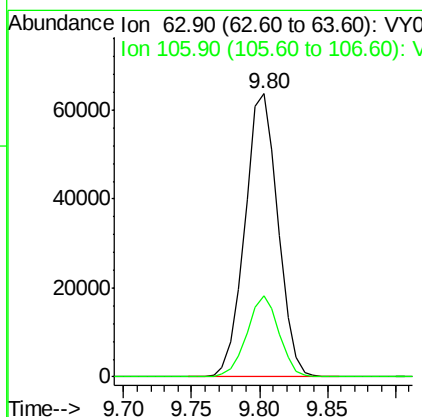
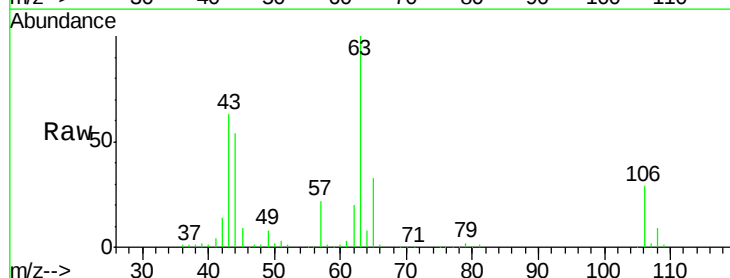
Manual Integrations
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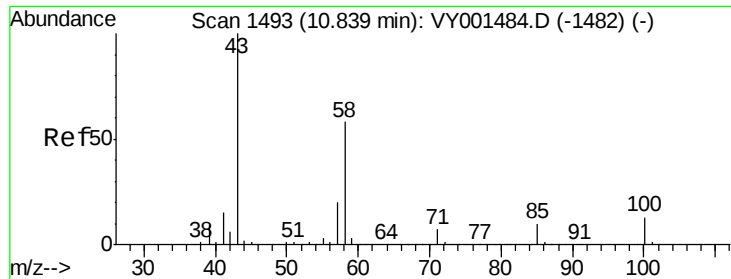
MMDadoda
 2/7/2020 4:50:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 108.524 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.8	24.0	36.0





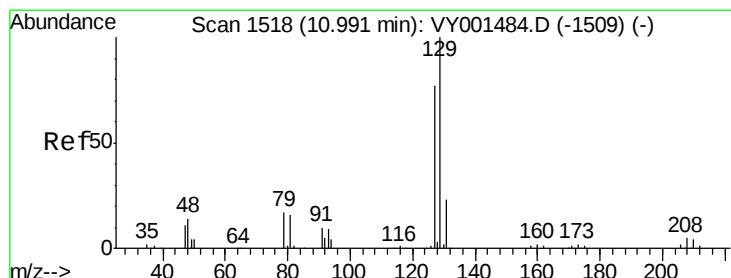
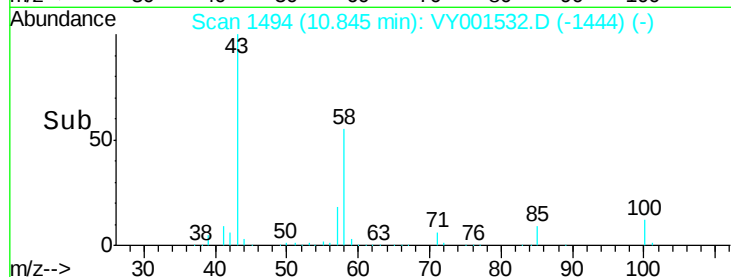
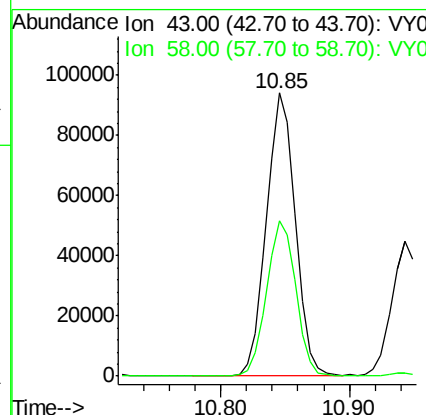
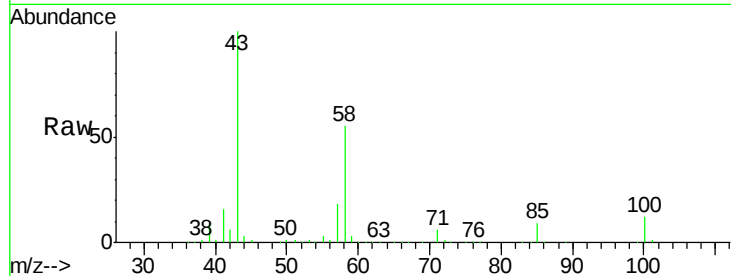
#59
2-Hexanone
Concen: 123.803 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBSD01

Tot Ion: 43 Resp: 146564
Ion Ratio Lower Upper
43 100
58 55.4 29.0 87.0

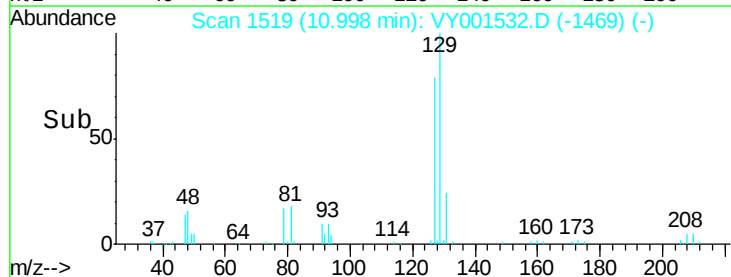
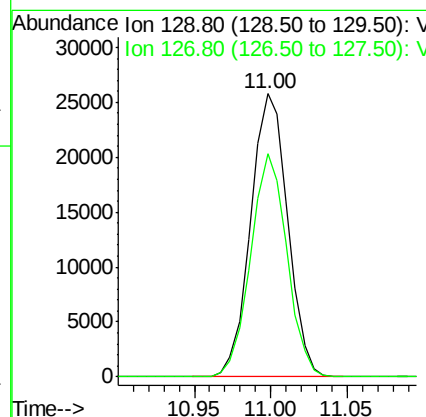
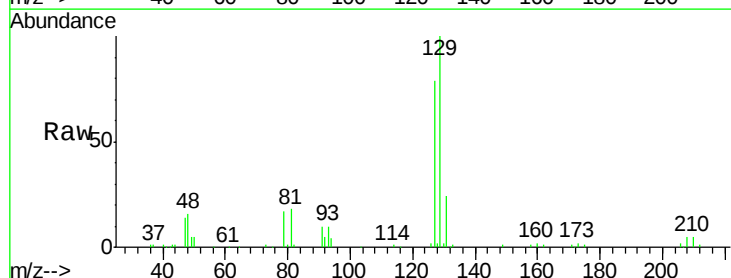
Manual Integrations
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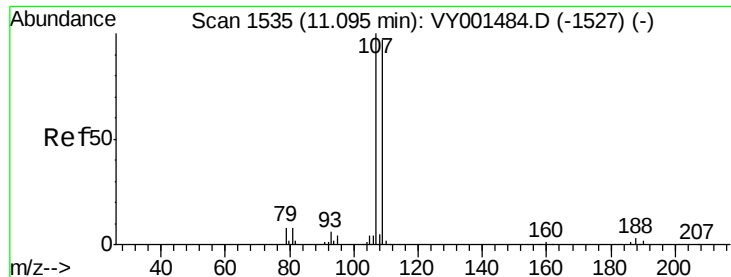
MMDadoda
2/7/2020 4:50:50 PM



#60
Dibromochloromethane
Concen: 19.206 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 129 Resp: 43334
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





#61

1,2-Dibromoethane

Concen: 20.132 ug/l

RT: 11.10 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBS01

Tot Ion: 107 Resp: 37954

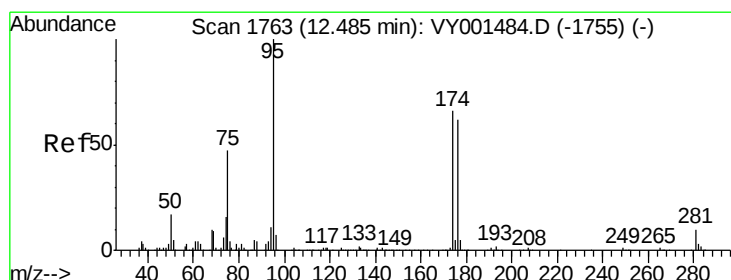
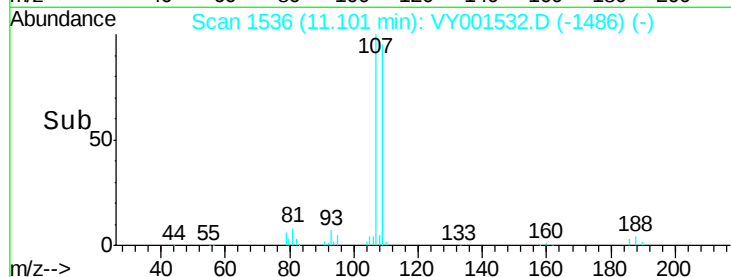
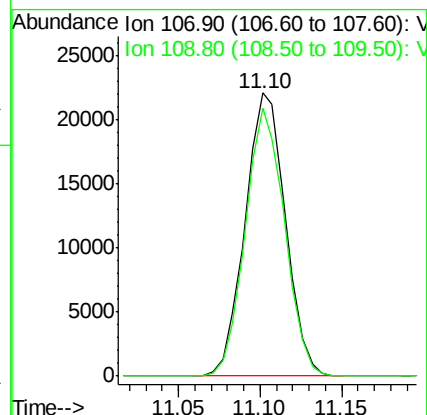
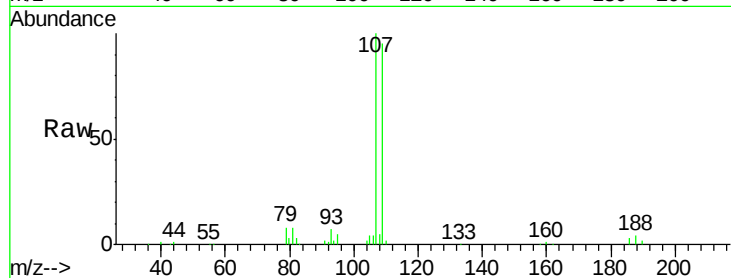
Ion Ratio Lower Upper

107 100

109 92.2 76.2 114.2

Manual Integrations
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2/7/2020 4:50:50 PM



#62

4-Bromofluorobenzene

Concen: 49.398 ug/l

RT: 12.49 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

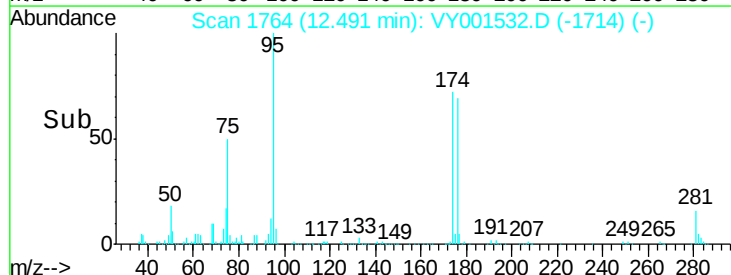
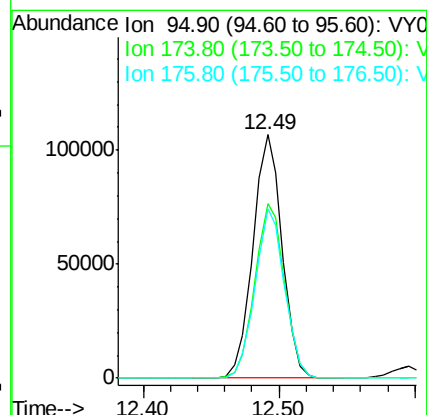
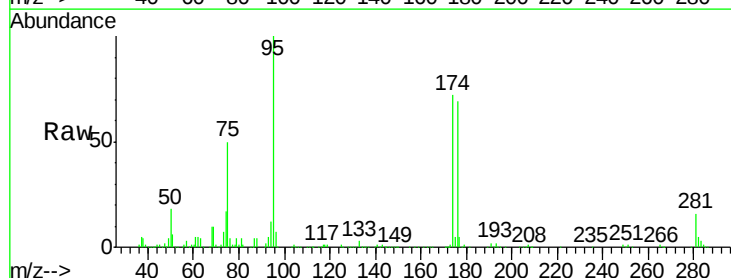
Tgt Ion: 95 Resp: 160085

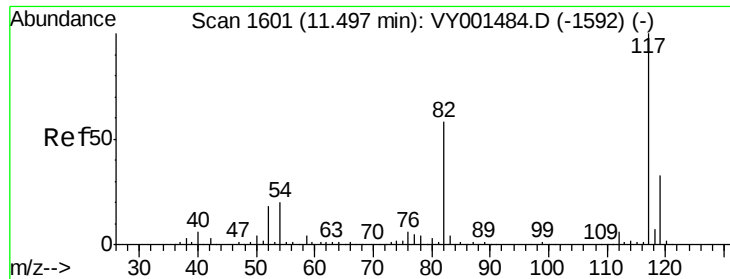
Ion Ratio Lower Upper

95 100

174 73.3 0.0 141.4

176 70.4 0.0 135.4





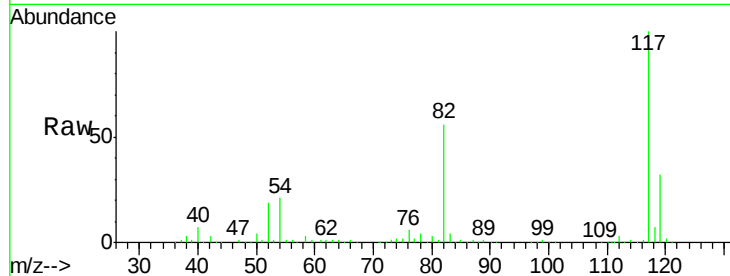
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.7	46.1	69.1
119	31.9	26.1	39.1

Manual Integrations
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2/7/2020 4:50:50 PM

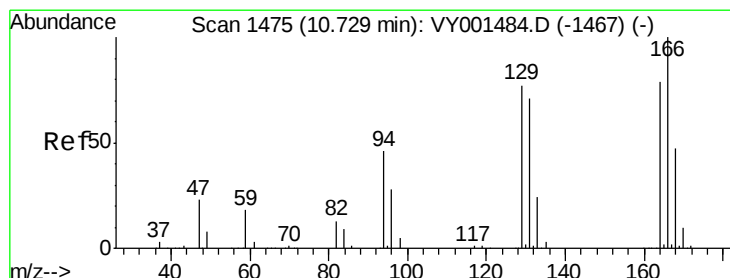
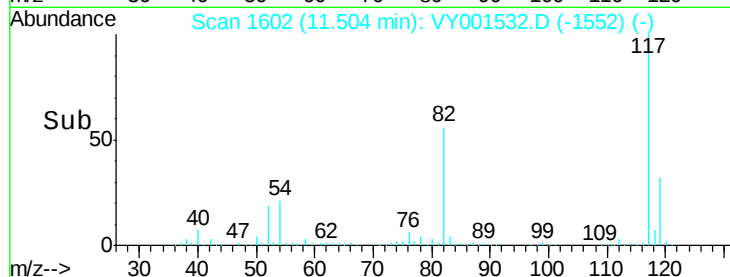
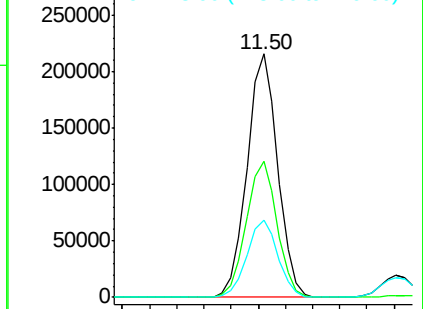


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VY0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.384 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	100.8	151.2
129	88.7	77.8	116.6
131	89.1	72.0	108.0

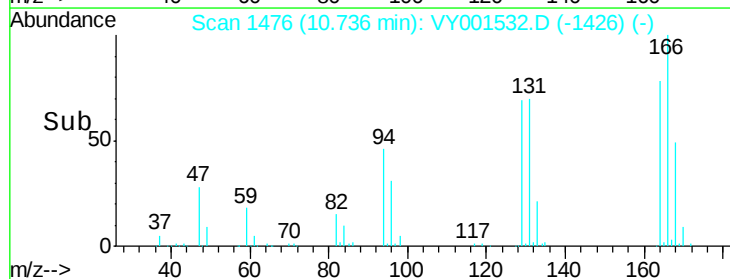
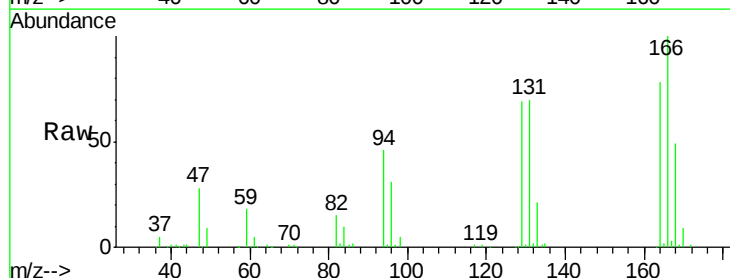
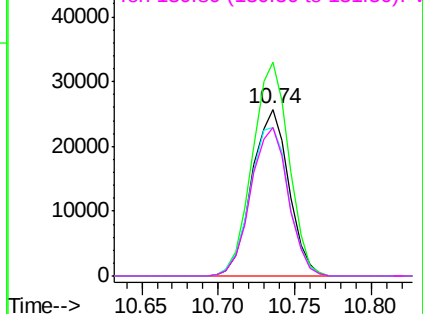
Abundance

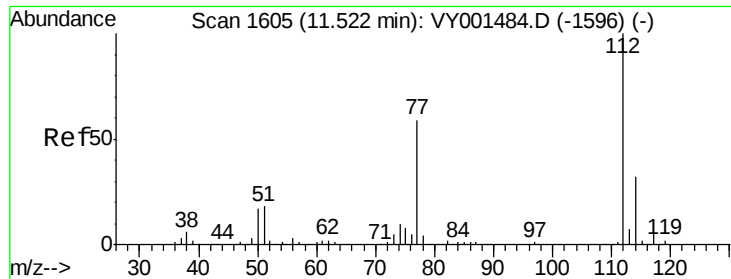
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





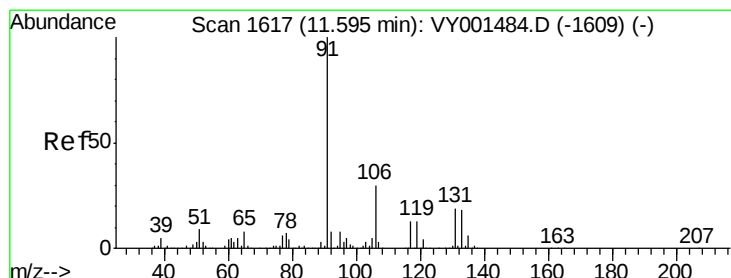
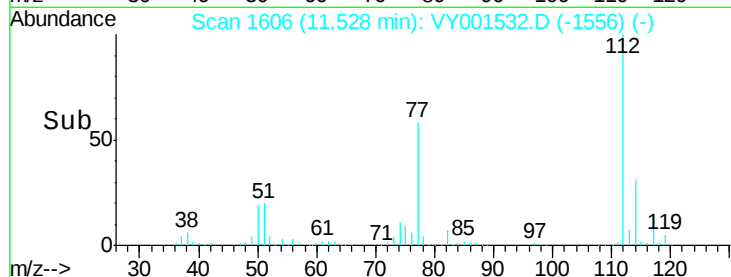
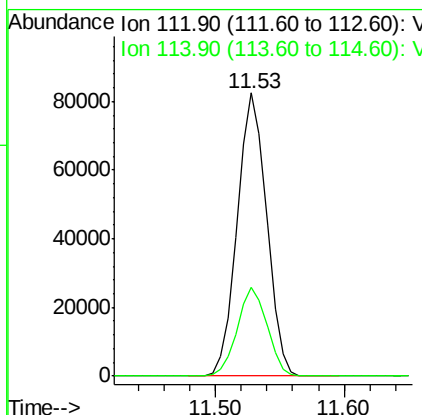
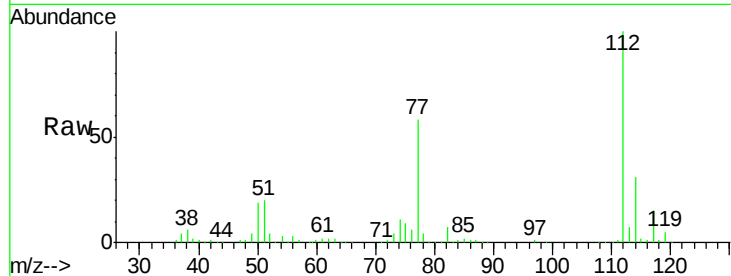
#65
Chlorobenzene
Concen: 19.568 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion:112 Resp: 130337
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.2

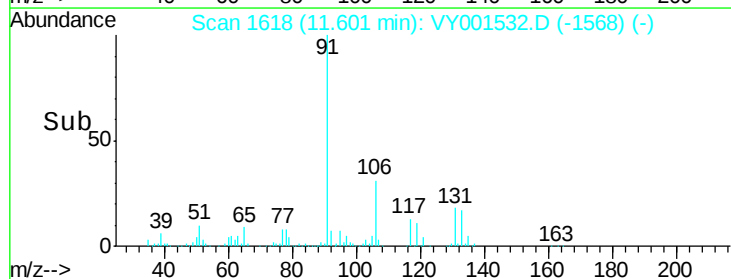
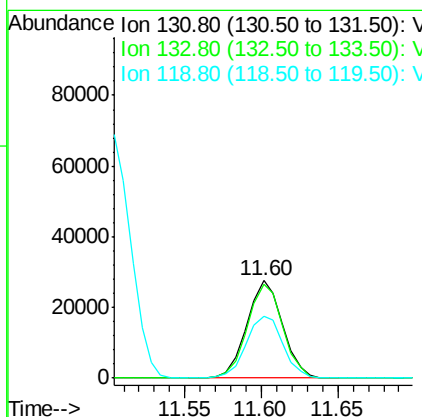
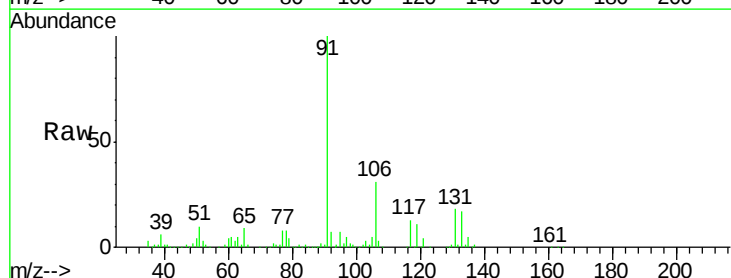
Manual Integrations
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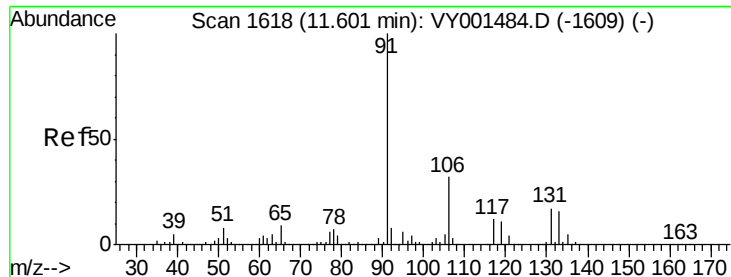
MMDadoda
2/7/2020 4:50:50 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.133 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion:131 Resp: 44603
Ion Ratio Lower Upper
131 100
133 95.8 47.9 143.8
119 66.0 33.7 101.0





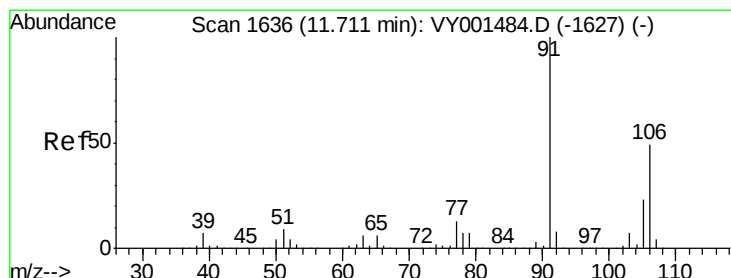
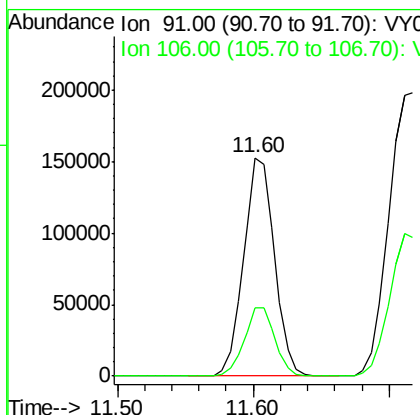
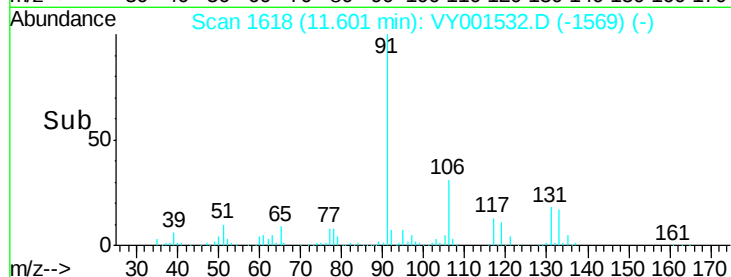
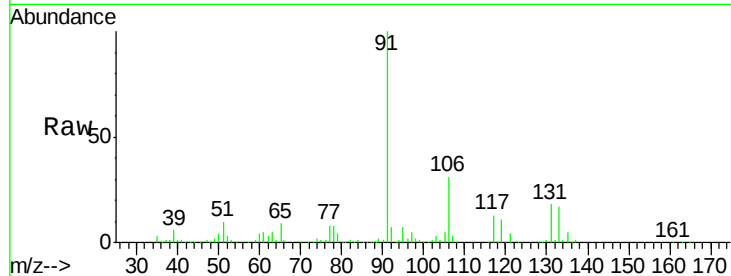
#67
Ethyl Benzene
Concen: 19.599 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBSD01

Tot Ion: 91 Resp: 241373
Ion Ratio Lower Upper
91 100
106 31.5 25.3 37.9

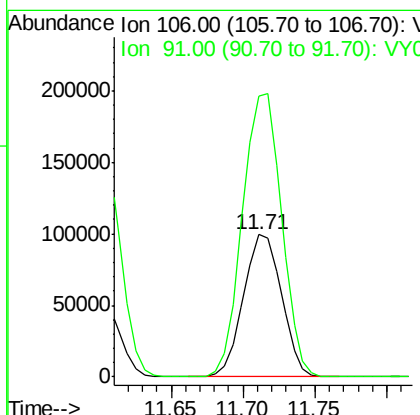
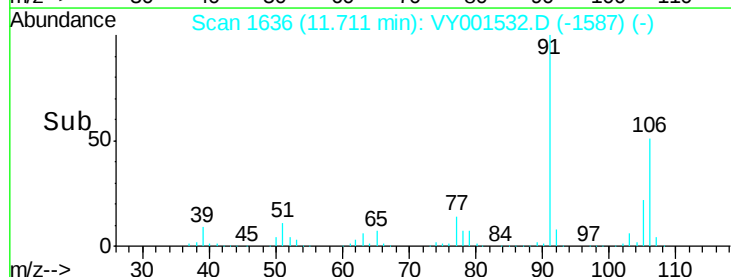
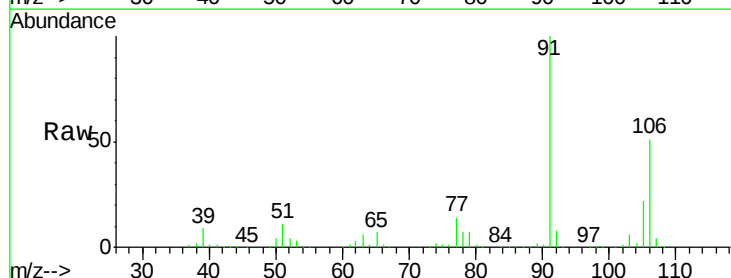
Manual Integrations
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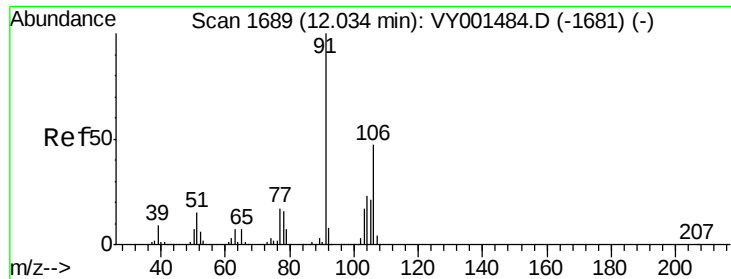
MMDadoda
2/7/2020 4:50:50 PM



#68
m/p-Xylenes
Concen: 39.511 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion: 106 Resp: 182668
Ion Ratio Lower Upper
106 100
91 204.0 163.6 245.4





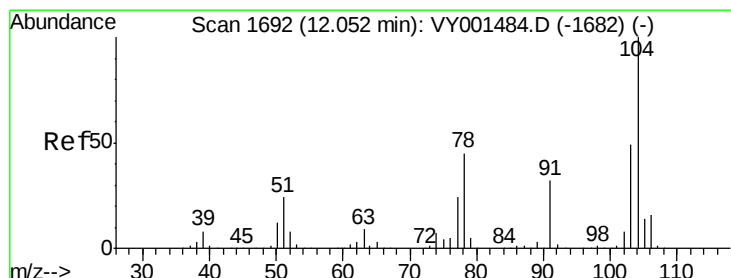
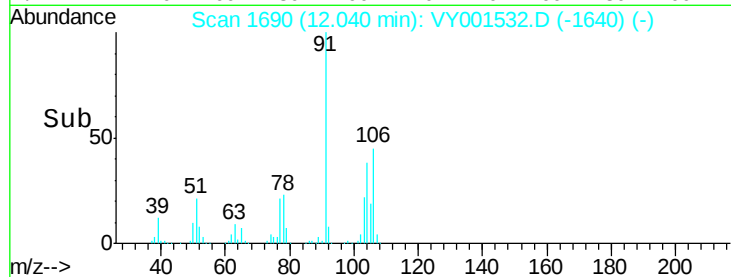
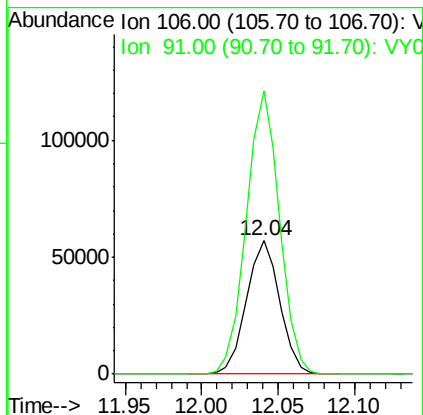
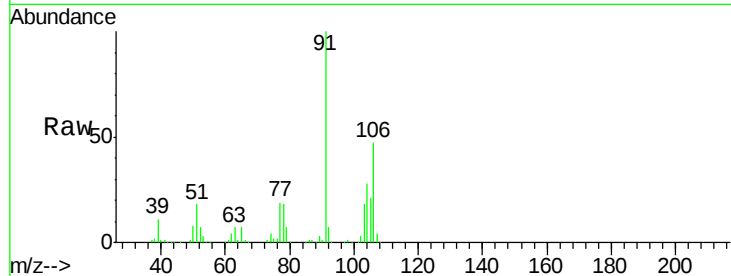
#69
o-Xylene
Concen: 19.761 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	212.3	106.0	318.0		

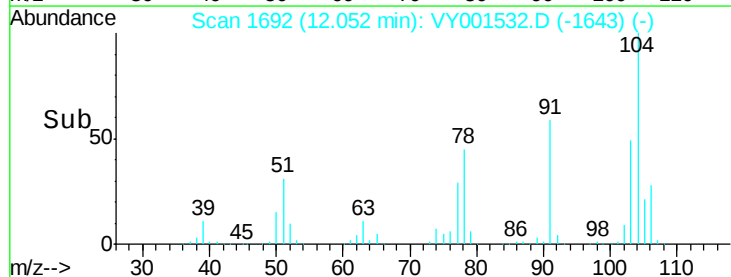
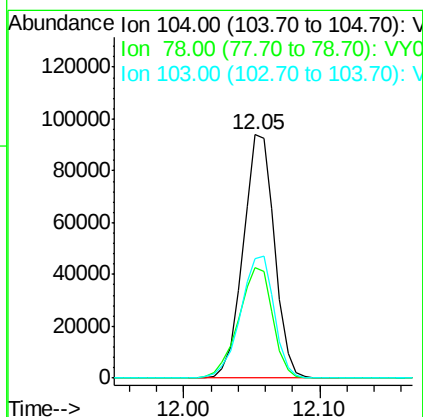
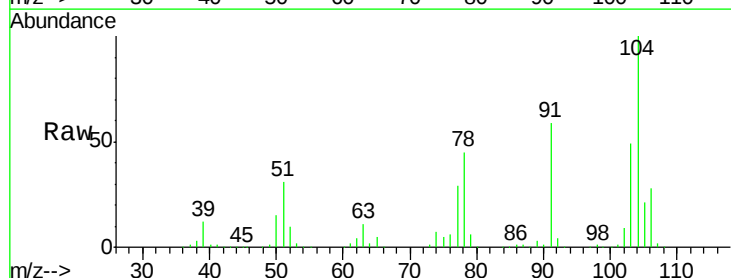
Manual Integrations
APPROVED

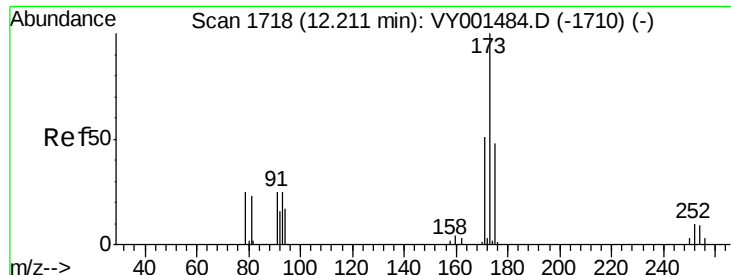
MMDadoda
2/7/2020 4:50:50 PM



#70
Styrene
Concen: 19.950 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.5	40.4	60.6		
103	53.9	42.8	64.2		





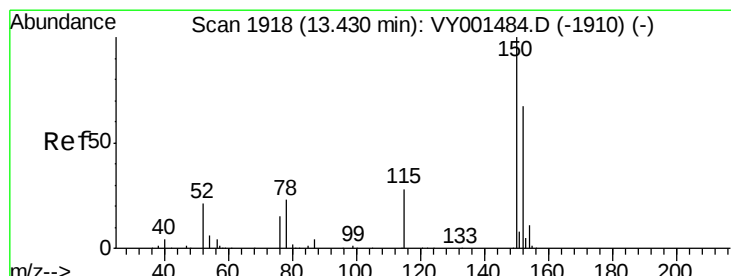
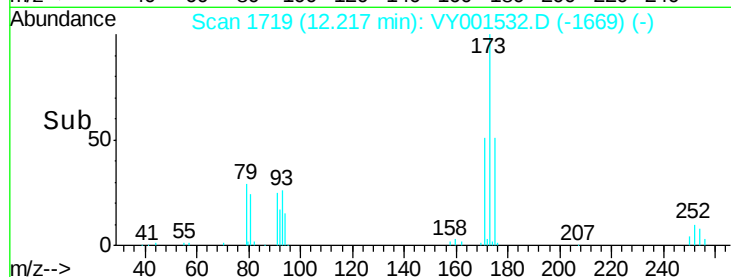
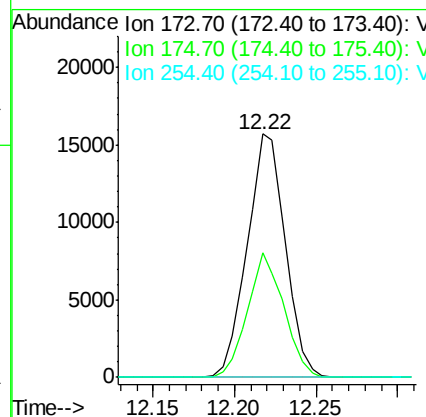
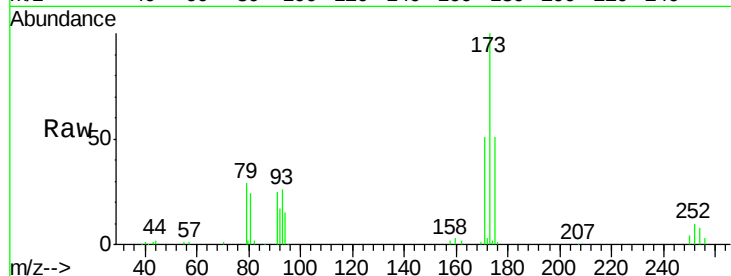
#71
Bromoform
Concen: 19.642 ug/l
RT: 12.22 min Scan# 1719
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.0	72.0
254	0.0	0.1	0.1

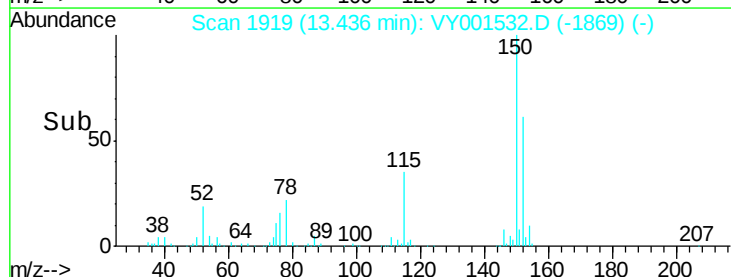
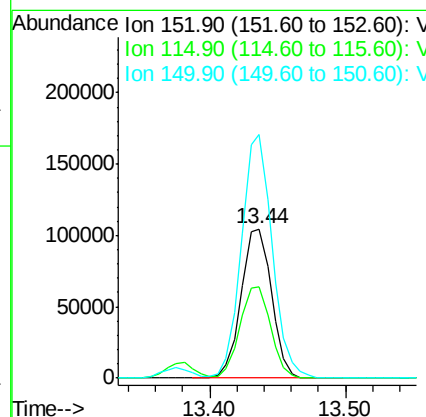
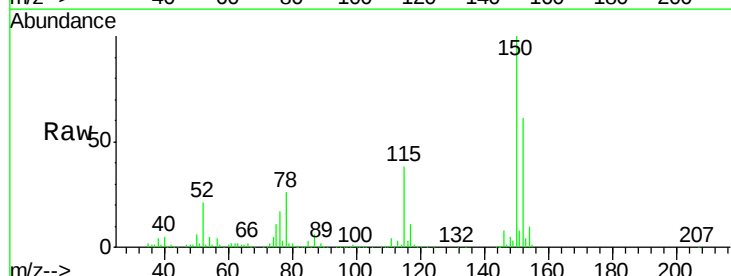
Manual Integrations
APPROVED

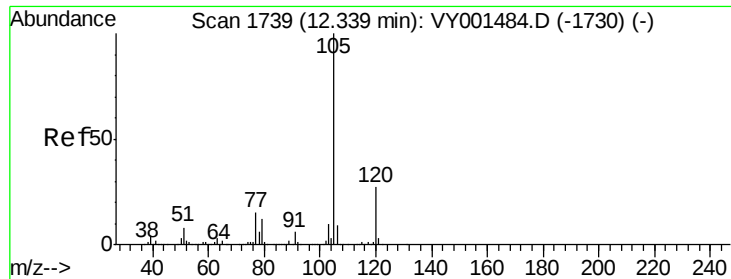
MMDadoda
2/7/2020 4:50:50 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1919
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	31.4	94.3
150	165.2	0.0	346.8





#73

Isopropylbenzene

Concen: 18.701 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBSD01

Tot Ion:105 Resp: 232781

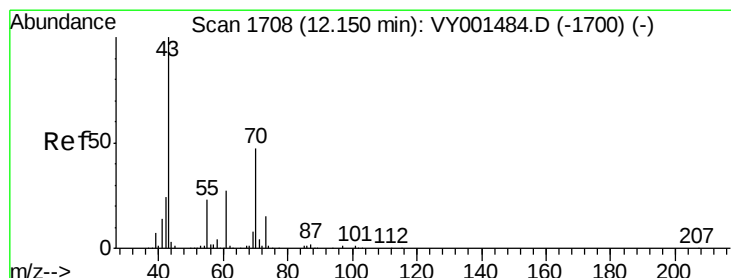
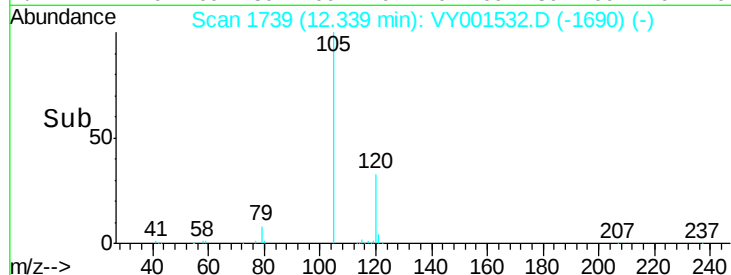
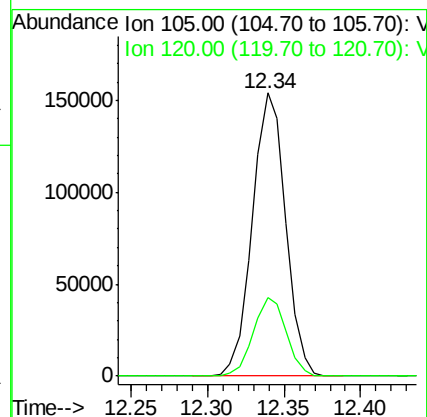
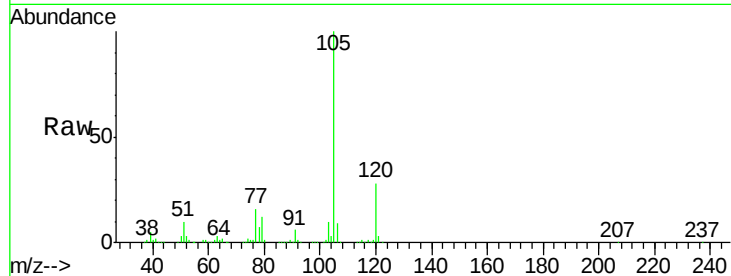
Ion Ratio Lower Upper

105 100

120 27.5 13.3 39.9

Manual Integrations
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2/7/2020 4:50:50 PM



#74

N-ethyl acetate

Concen: 23.094 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion: 43 Resp: 74699

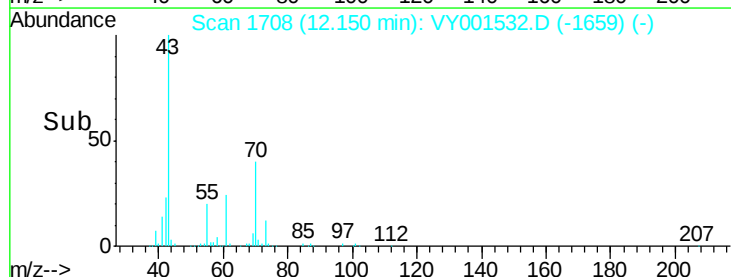
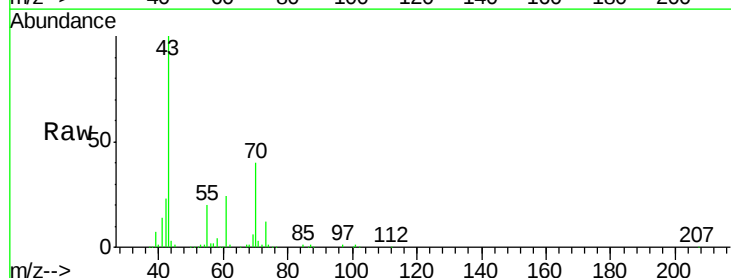
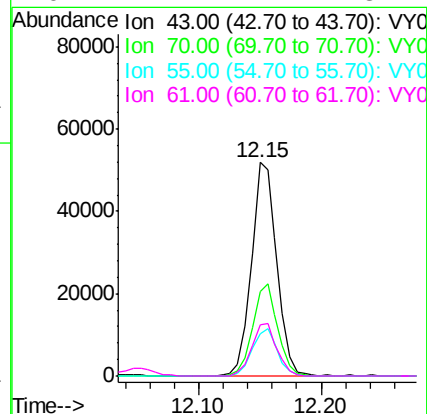
Ion Ratio Lower Upper

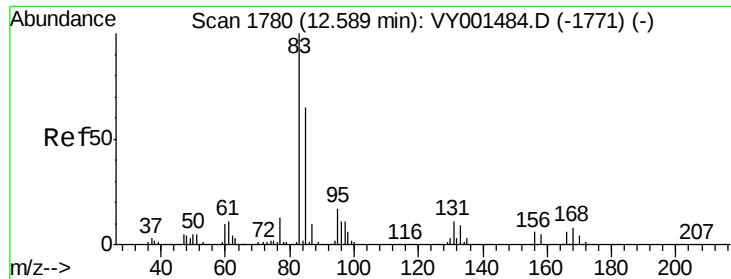
43 100

70 42.2 37.2 55.8

55 21.9 18.8 28.2

61 24.4 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.456 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

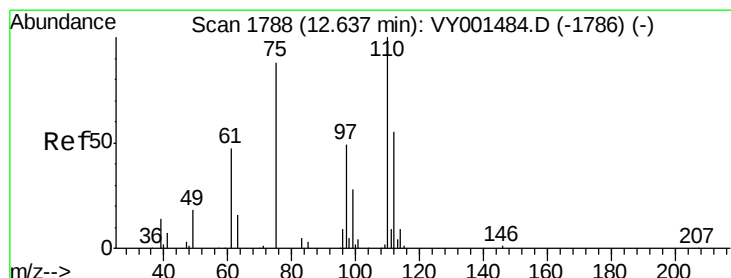
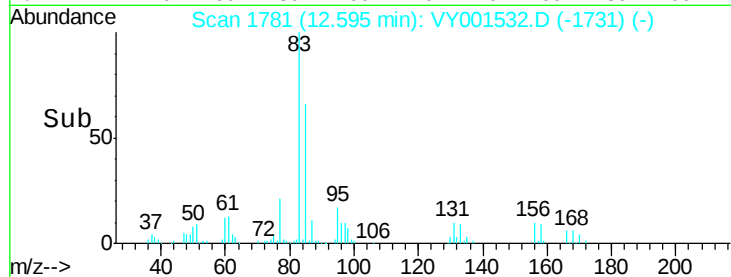
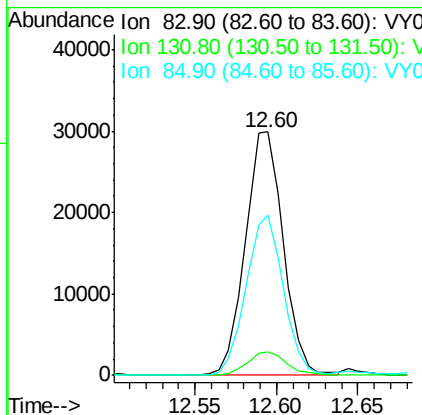
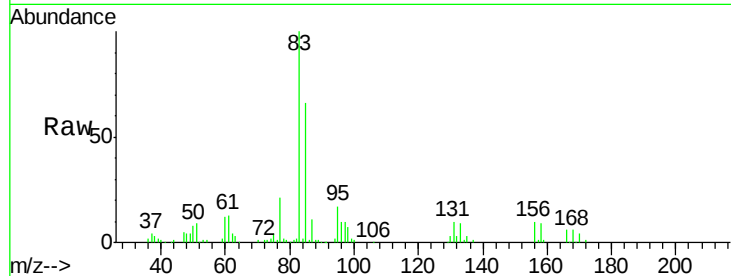
ClientSampleId :

VY0206SBS01

Tot Ion:	83	Resp:	48378
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.4	16.2
85	64.6	32.0	96.0

Manual Integrations
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2/7/2020 4:50:50 PM



#76

1,2,3-Trichloropropane

Concen: 18.445 ug/l m

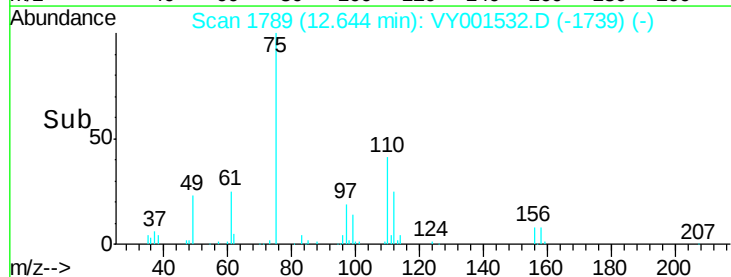
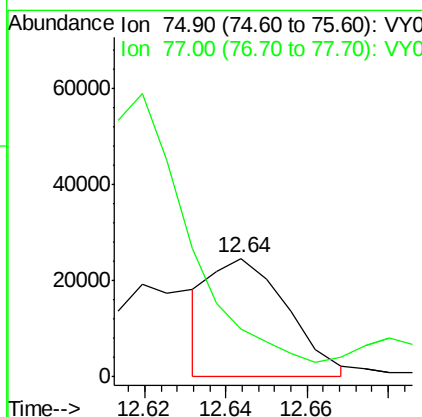
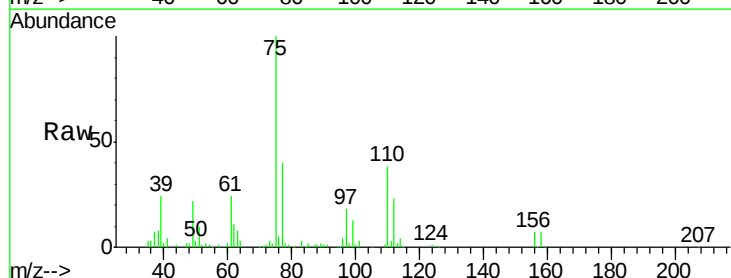
RT: 12.64 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	75	Resp:	32374
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.772 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

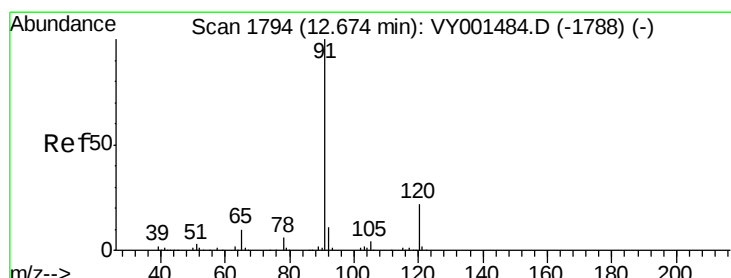
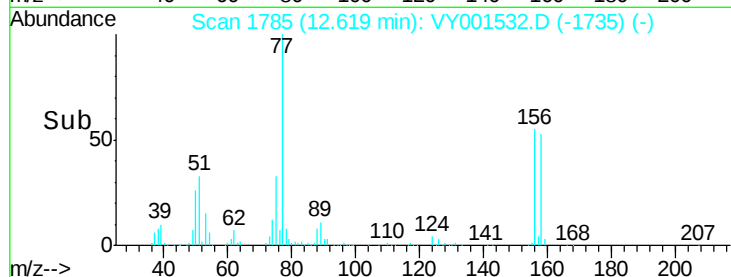
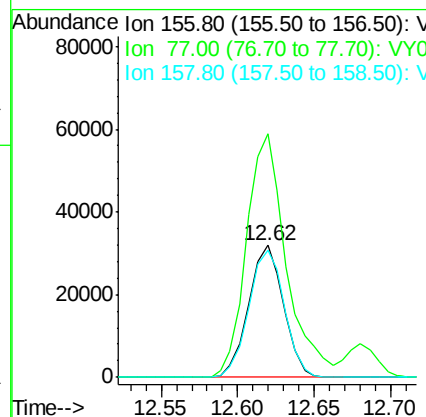
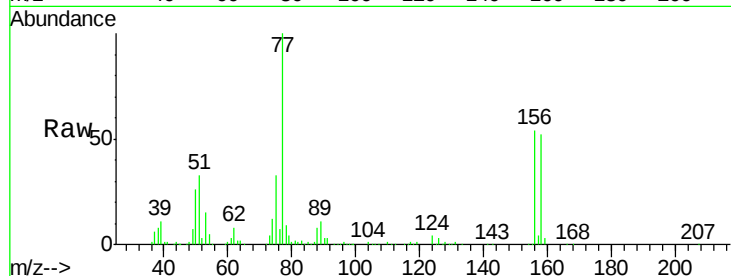
ClientSampleId :

VY0206SBS01

Tot Ion:	156	Resp:	50568
Ion	Ratio	Lower	Upper
156	100		
77	209.9	99.8	299.3
158	98.4	47.5	142.6

Manual Integrations
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#78

n-propylbenzene

Concen: 19.267 ug/l

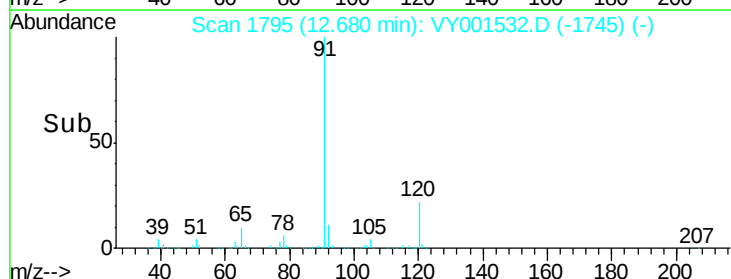
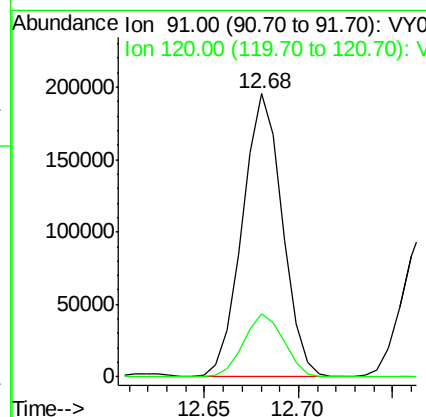
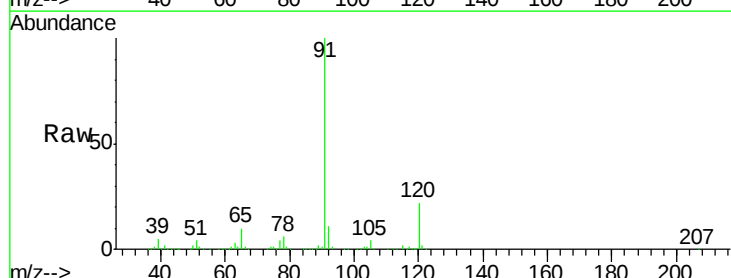
RT: 12.68 min Scan# 1795

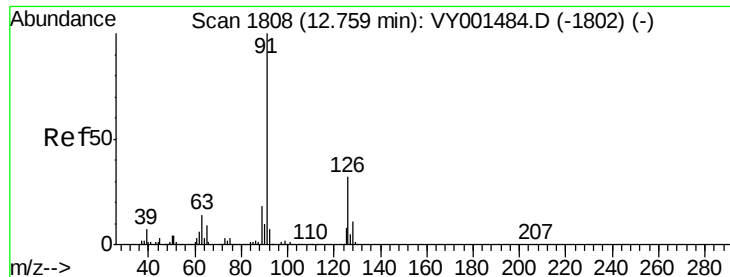
Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	91	Resp:	287118
Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.4	34.2





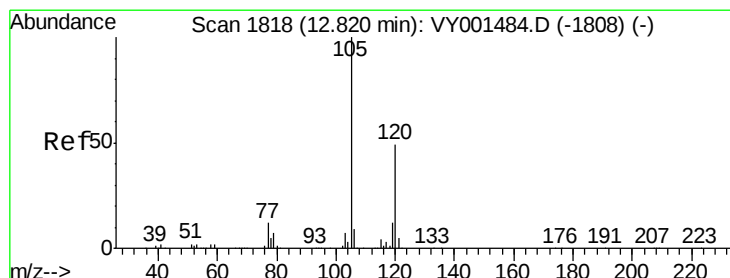
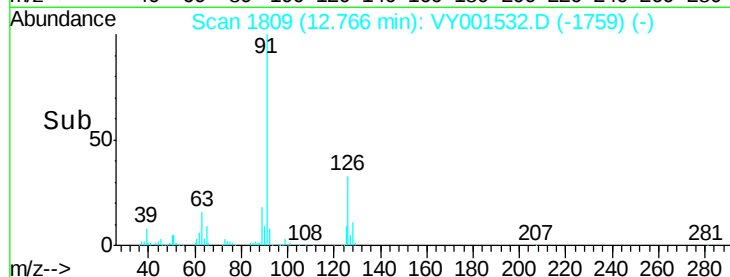
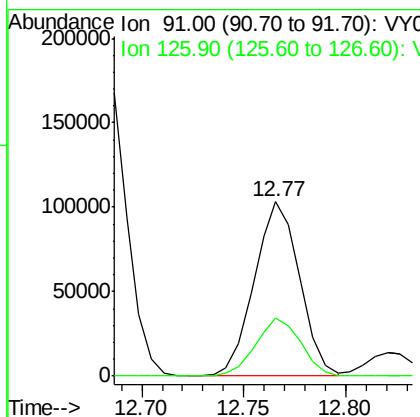
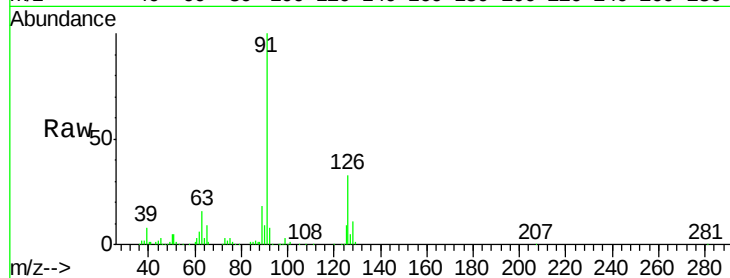
#79
 2-Chlorotoluene
 Concen: 18.796 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampled :
 VY0206SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.4	49.2

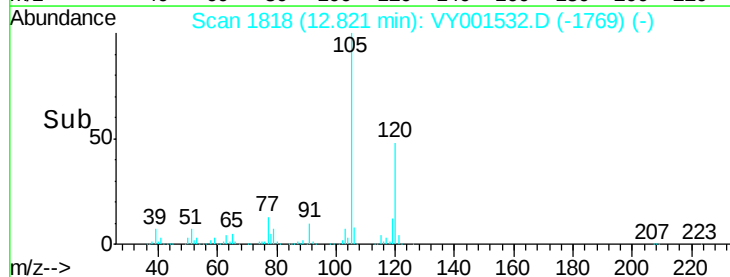
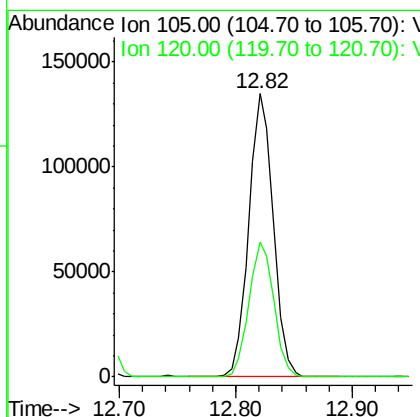
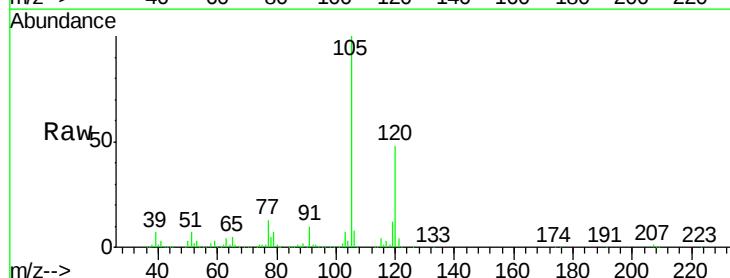
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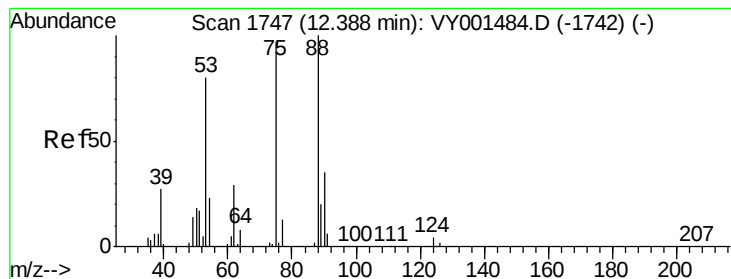
MMDadoda
 2/7/2020 4:50:50 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 18.832 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.051 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

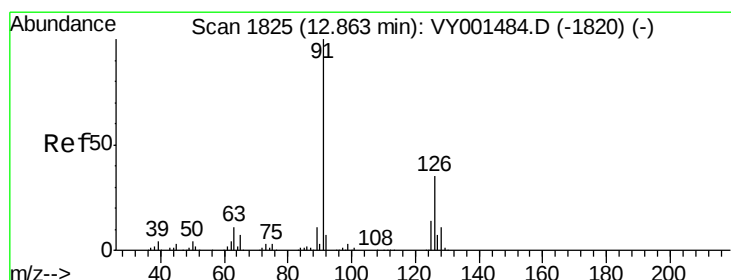
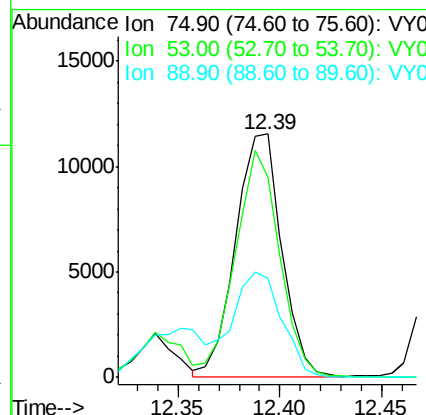
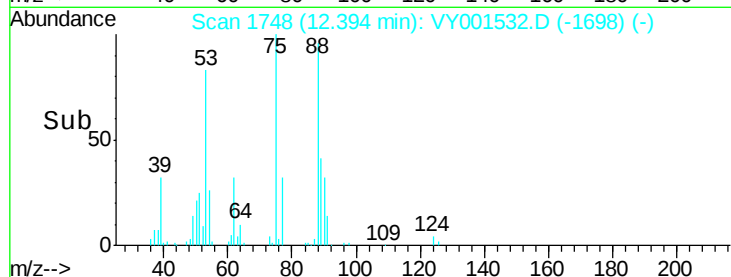
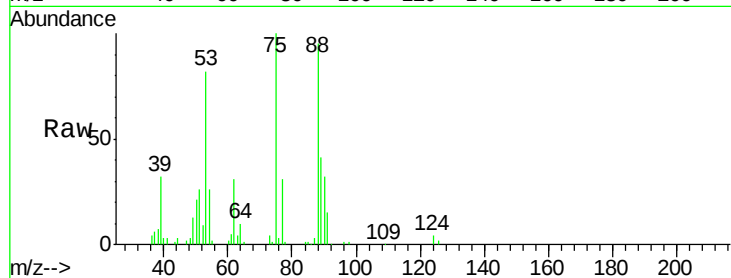
ClientSampleId :

VY0206SBS01

Tot Ion:	75	Resp:	18188
Ion	Ratio	Lower	Upper
75	100		
53	89.4	67.7	101.5
89	46.6	34.6	52.0

Manual Integrations
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2/7/2020 4:50:50 PM



#82

4-Chlorotoluene

Concen: 18.798 ug/l

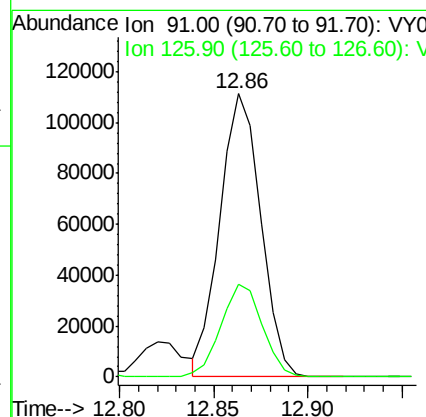
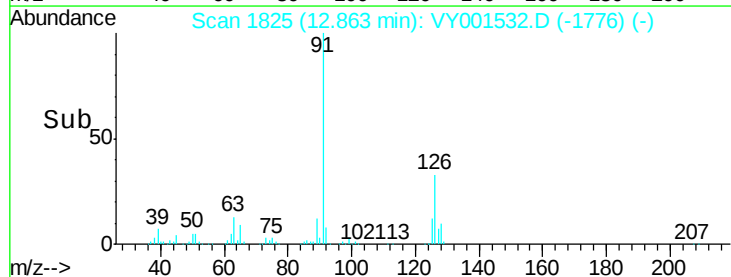
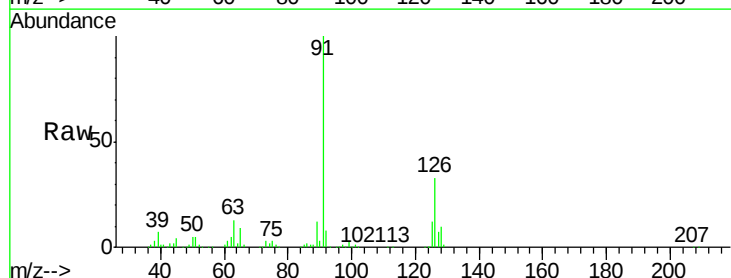
RT: 12.86 min Scan# 1825

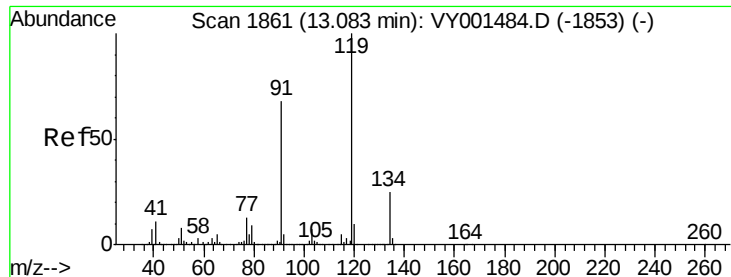
Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	91	Resp:	167415
Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.5	49.5





#83

tert-Butylbenzene

Concen: 18.671 ug/l

RT: 13.08 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

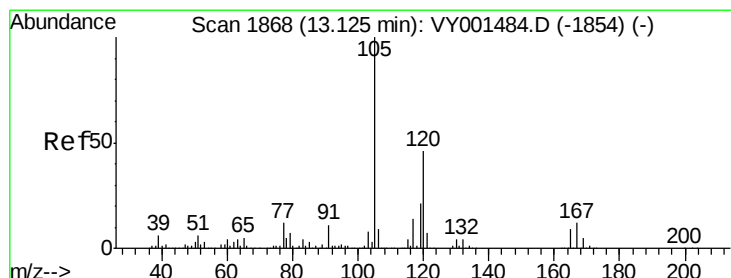
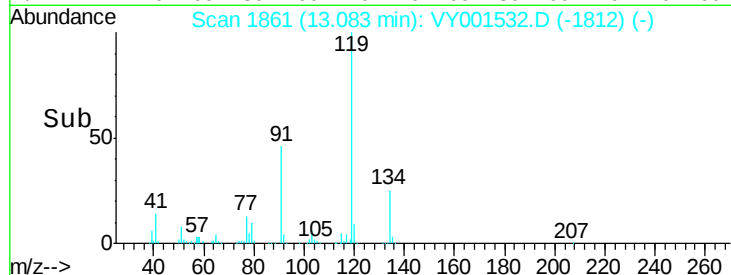
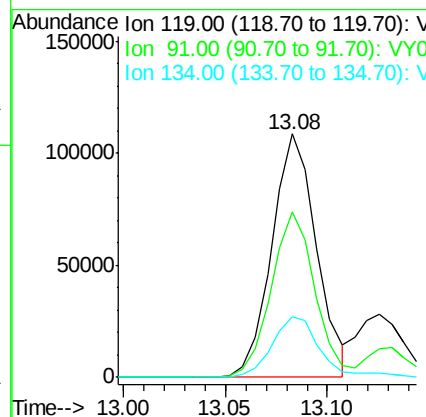
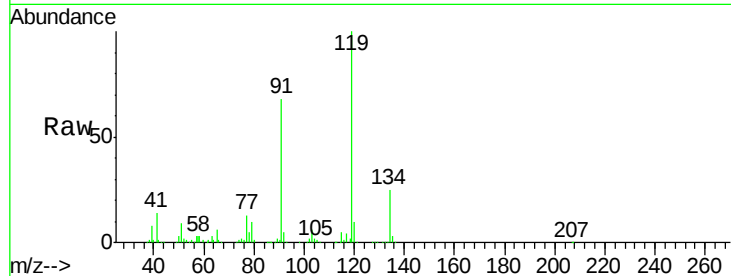
ClientSampleId :

VY0206SBS01

Tot Ion:	119	Resp:	165440
Ion Ratio	Lower	Upper	
119	100		
91	67.0	33.1	99.3
134	27.0	13.0	39.0

Manual Integrations
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2/7/2020 4:50:50 PM



#84

1,2,4-Trimethylbenzene

Concen: 18.912 ug/l

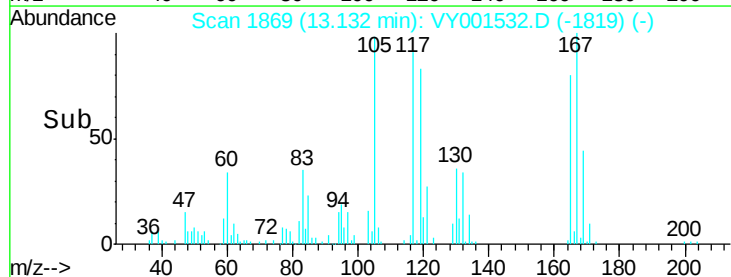
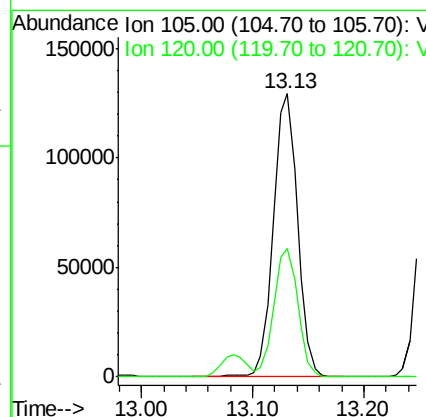
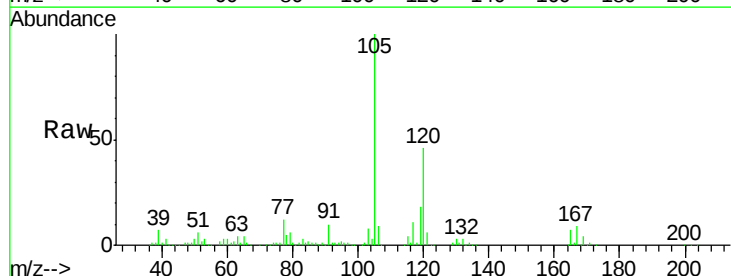
RT: 13.13 min Scan# 1869

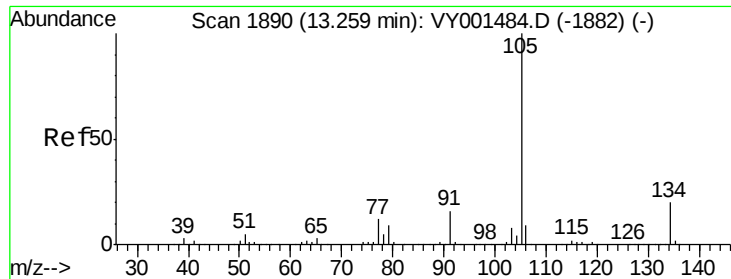
Delta R.T. 0.01 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Tgt Ion:	105	Resp:	196218
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.4	67.0





#85

sec-Butylbenzene

Concen: 19.446 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

Instrument :

MSVOA_Y

ClientSampleId :

VY0206SBSD01

Tot Ion:105 Resp: 242262

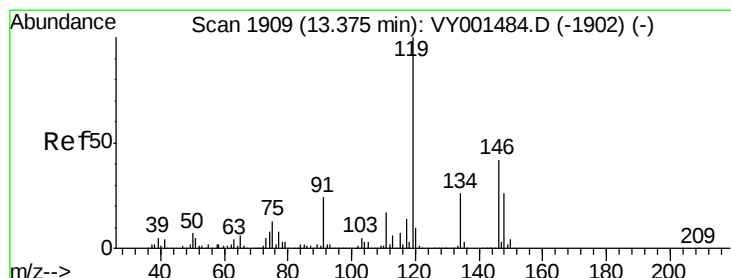
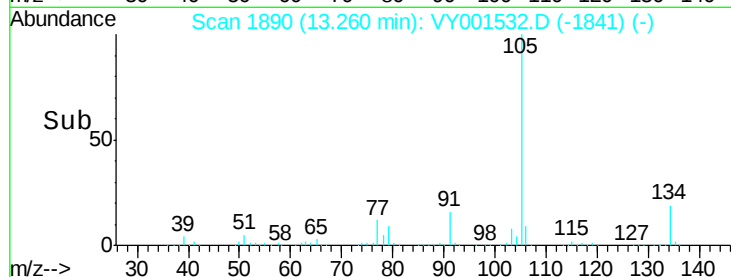
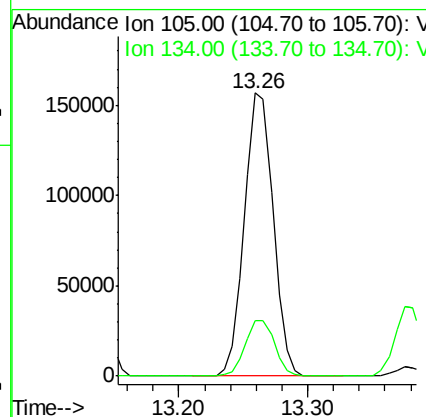
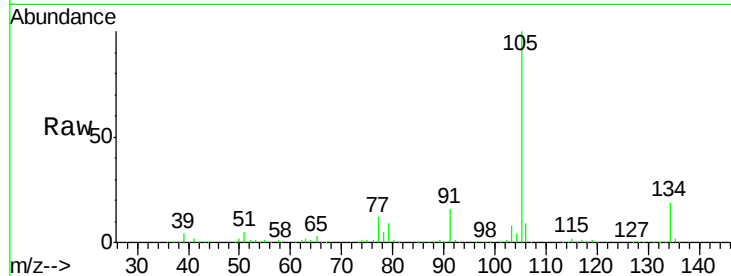
Ion Ratio Lower Upper

105 100

134 19.9 10.0 29.8

Manual Integrations
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2/7/2020 4:50:50 PM



#86

p-Isopropyltoluene

Concen: 19.559 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001532.D

Acq: 06 Feb 2020 15:50

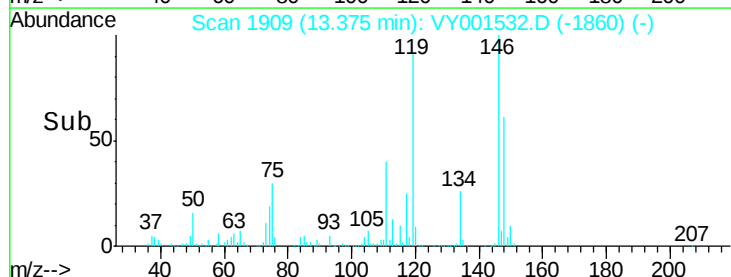
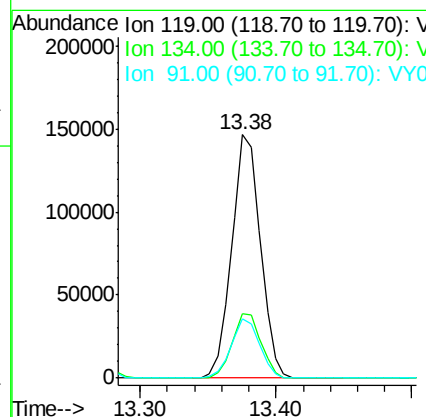
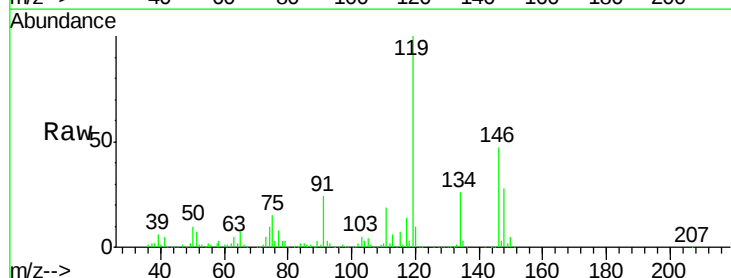
Tgt Ion:119 Resp: 214731

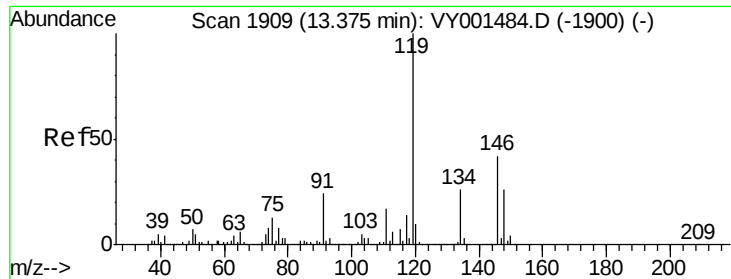
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 24.3 12.2 36.6





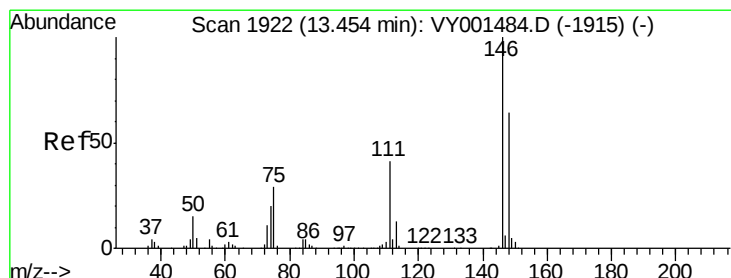
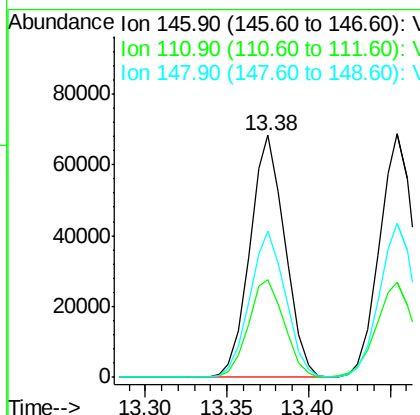
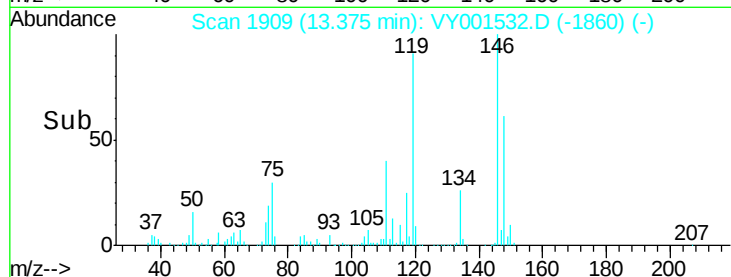
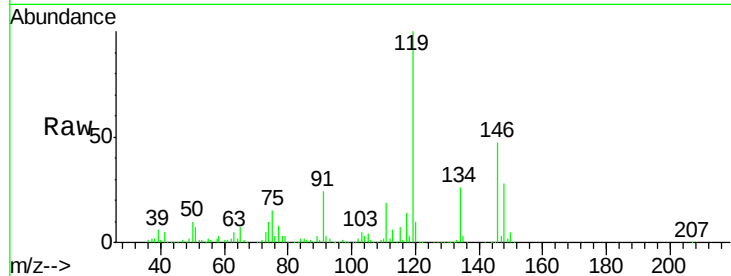
#87
 1,3-Dichlorobenzene
 Concen: 19.766 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.9
148	61.5	31.9	95.7

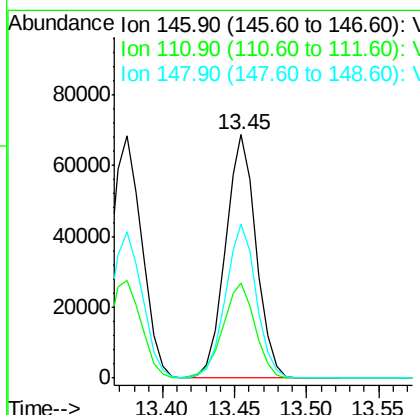
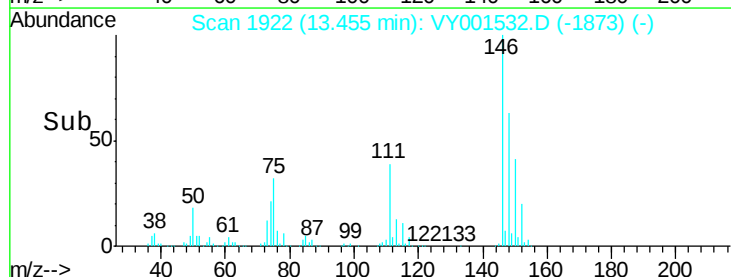
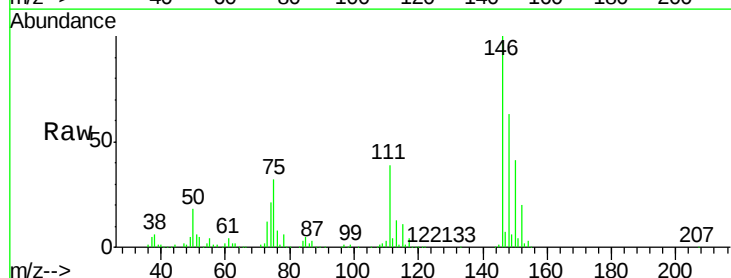
Manual Integrations
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 2/7/2020 4:50:50 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.795 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	63.7	32.1	96.5





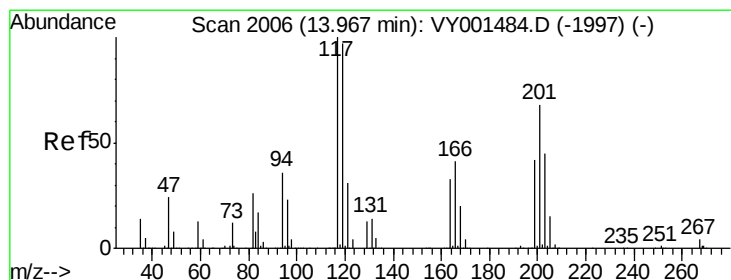
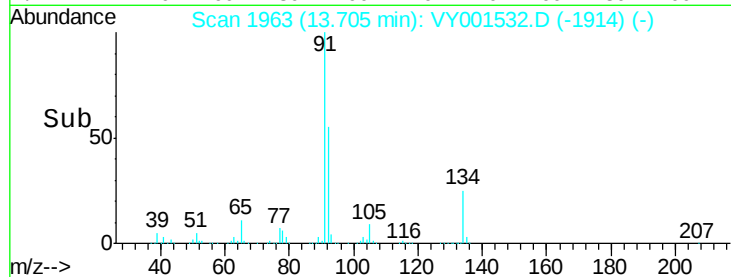
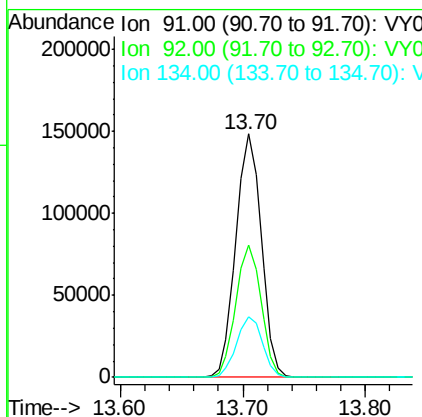
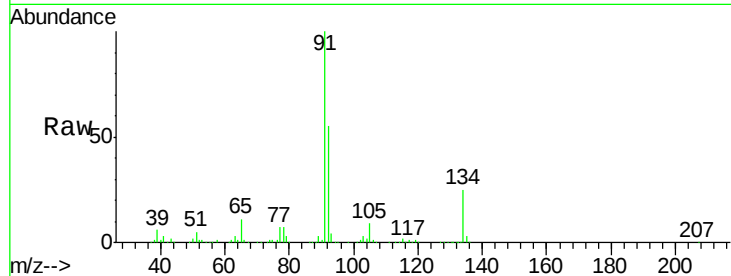
#89
n-Butylbenzene
Concen: 19.756 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.9
134	25.4	13.0	38.9

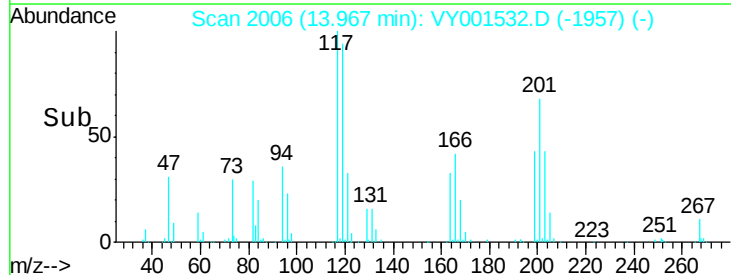
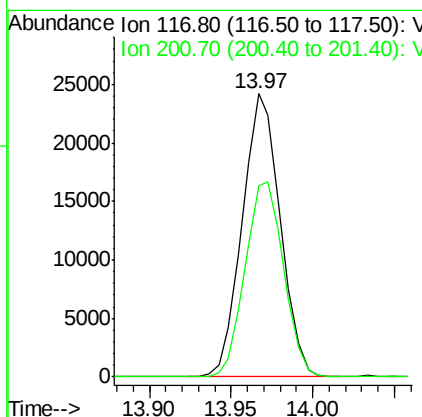
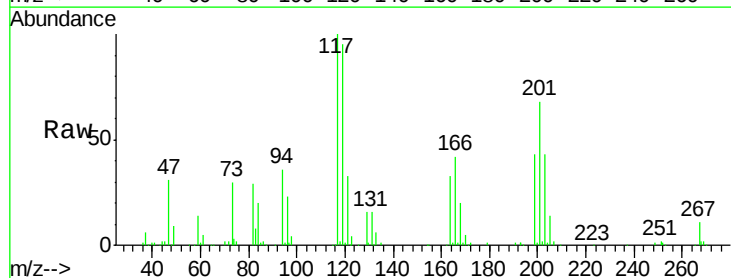
Manual Integrations
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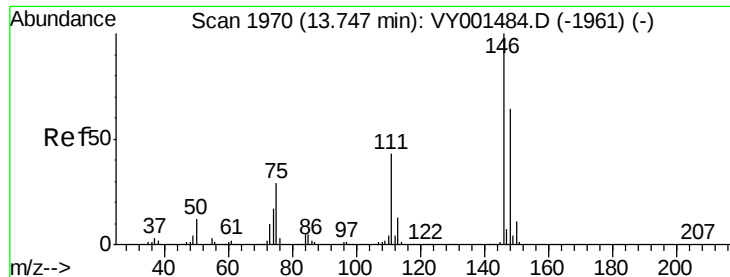
MMDadoda
2/7/2020 4:50:50 PM



#90
Hexachloroethane
Concen: 18.588 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.1	102.3





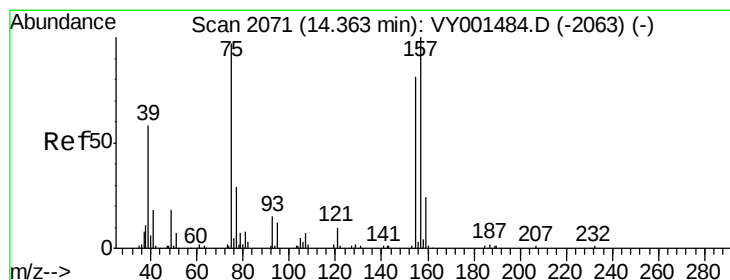
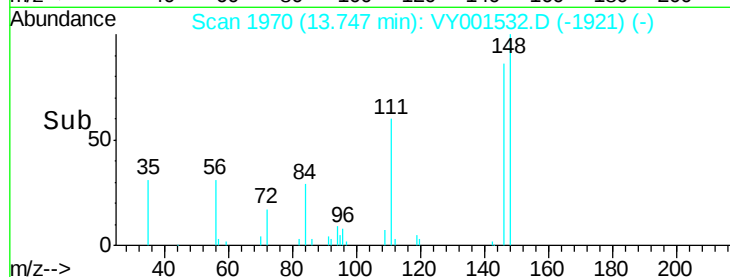
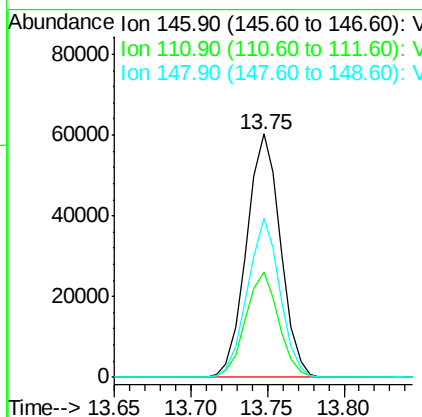
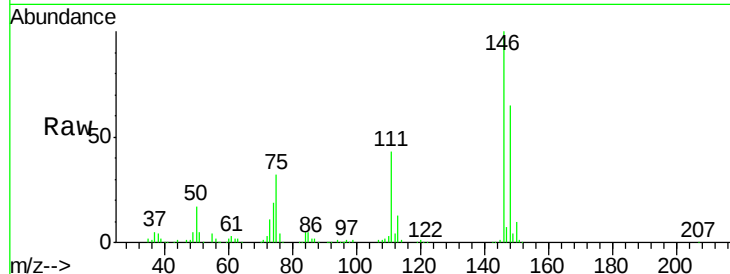
#91
 1,2-Dichlorobenzene
 Concen: 19.868 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.9	65.8
148	62.5	31.8	95.3

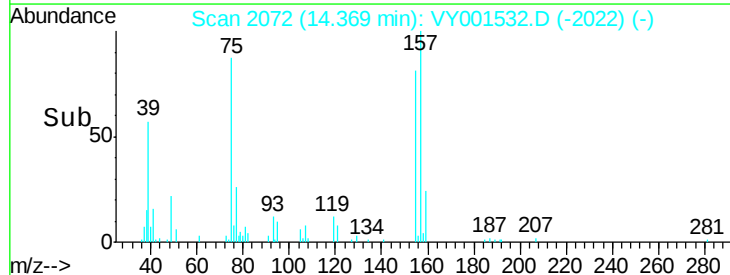
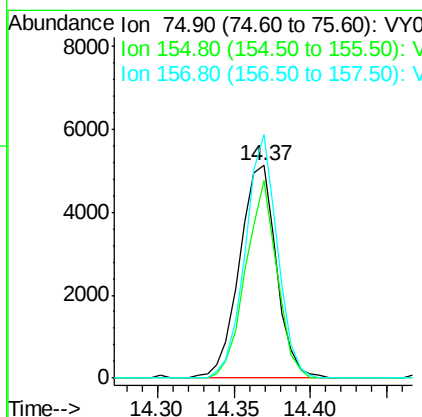
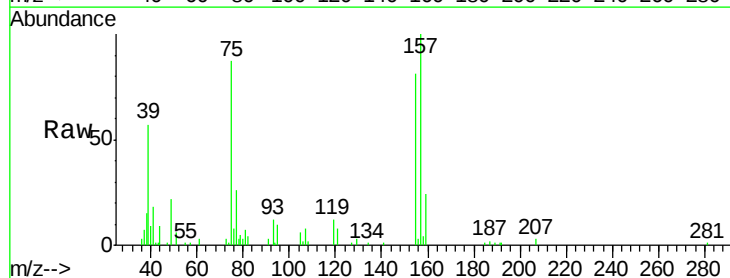
Manual Integrations
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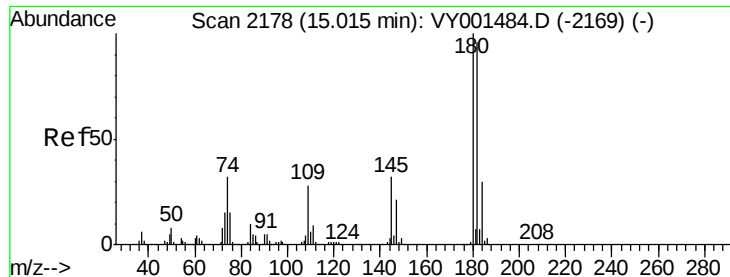
MMDadoda
 2/7/2020 4:50:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.675 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.9	40.7	122.1
157	99.4	52.3	157.1





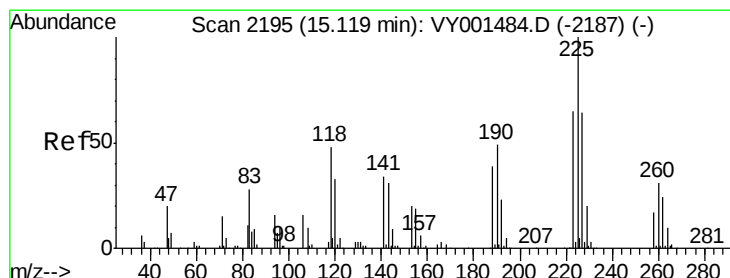
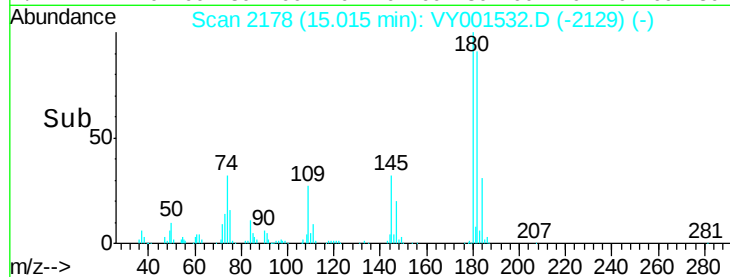
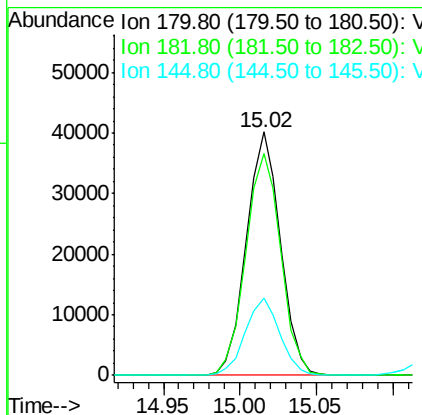
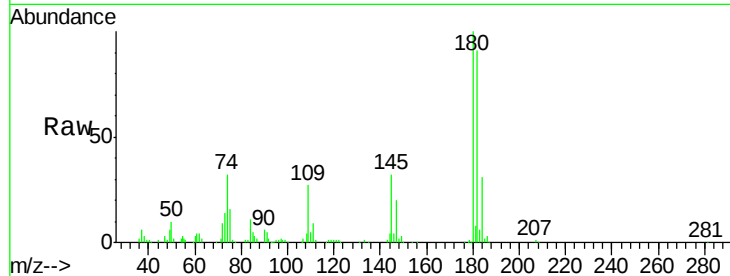
#93
 1,2,4-Trichlorobenzene
 Concen: 19.711 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	62142		
182	93.5	46.9	140.7	
145	32.1	16.8	50.3	

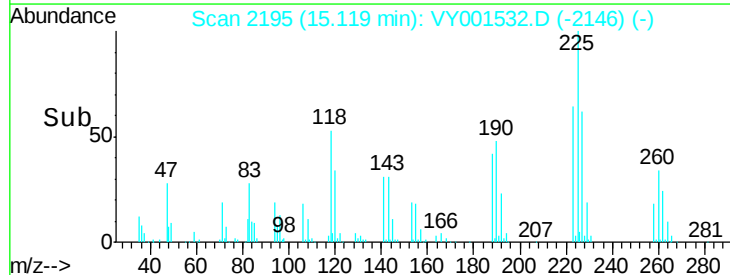
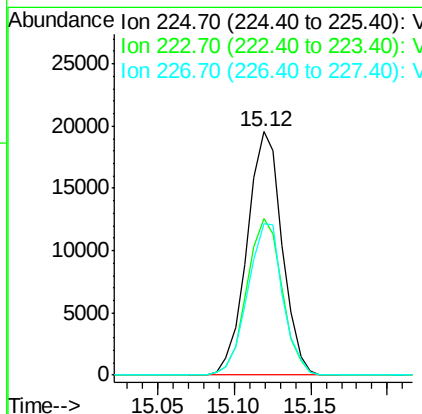
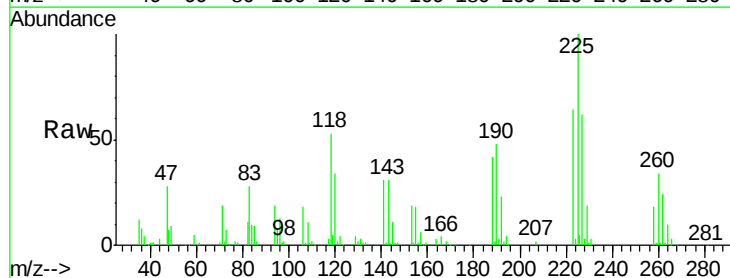
Manual Integrations
 APPROVED

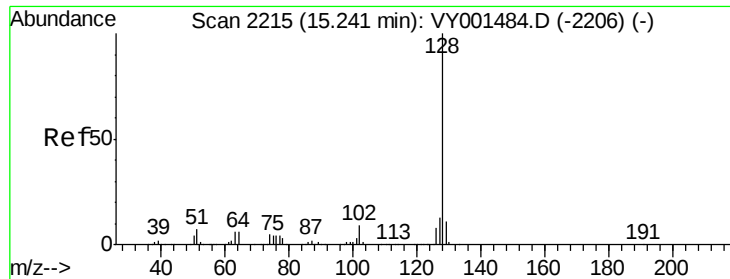
MMDadoda
 2/7/2020 4:50:50 PM



#94
 Hexachlorobutadiene
 Concen: 19.510 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001532.D
 Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	31217		
223	64.2	31.9	95.7	
227	62.5	32.6	97.7	





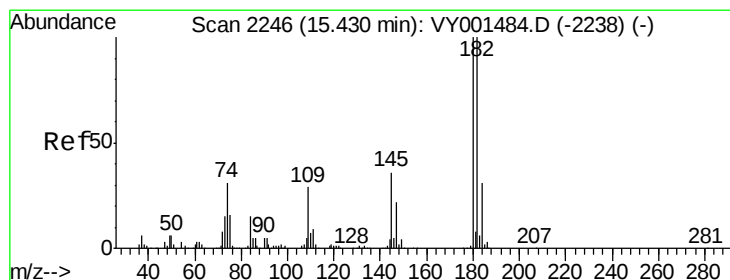
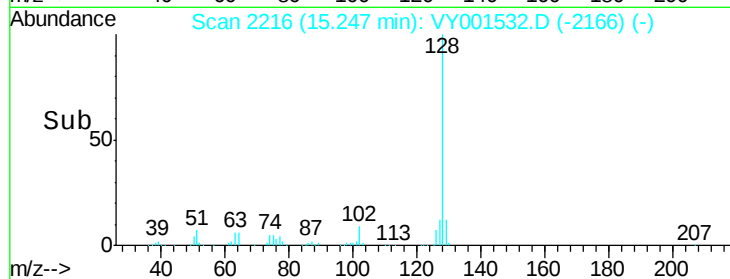
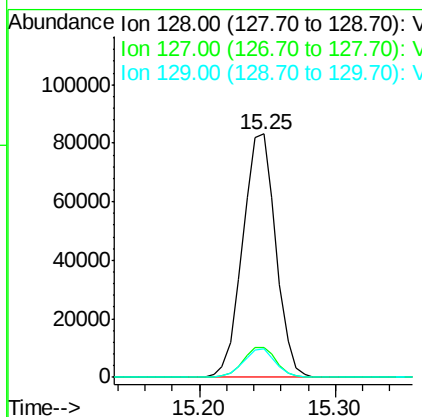
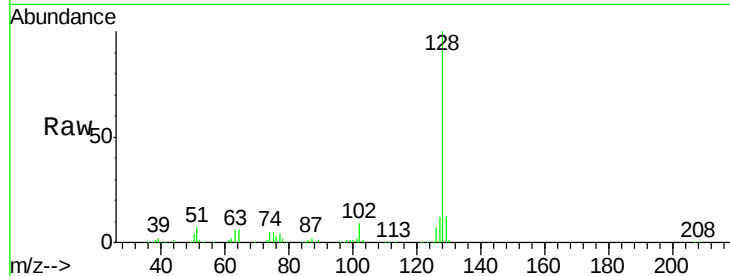
#95
Naphthalene
Concen: 19.063 ug/l
RT: 15.25 min Scan# 2216
Delta R.T. 0.01 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Instrument :
MSVOA_Y
ClientSampleId :
VY0206SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	141249		
127	12.5	10.1	15.1	
129	11.3	8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
2/7/2020 4:50:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.748 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001532.D
Acq: 06 Feb 2020 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	54959		
182	94.0	48.0	144.2	
145	34.0	17.8	53.5	

