

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001555.D
 Acq On : 07 Feb 2020 15:40
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:24 AM

Quant Time: Feb 08 03:01:58 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	203712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	354540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	319794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	153699	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	108459	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	
35) Dibromofluoromethane	7.74	113	99024	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.19	98	411720	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
62) 4-Bromofluorobenzene	12.49	95	148466	48.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	34744	17.424	ug/l	100
3) Chloromethane	2.13	50	45905	22.026	ug/l	95
4) Vinyl Chloride	2.26	62	48301	22.320	ug/l	95
5) Bromomethane	2.66	94	32056	23.553	ug/l	98
6) Chloroethane	2.81	64	30635	23.485	ug/l	93
7) Trichlorofluoromethane	3.14	101	64507	18.008	ug/l	96
8) Diethyl Ether	3.55	74	25147	20.803	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.92	101	40852	18.954	ug/l	98
10) Methyl Iodide	4.11	142	48617	17.703	ug/l	98
11) Tert butyl alcohol	5.00	59	24691	84.690	ug/l	98
12) 1,1-Dichloroethene	3.89	96	40151	18.747	ug/l	97
13) Acrolein	3.75	56	20327	104.663	ug/l	99
14) Allyl chloride	4.50	41	70883	21.634	ug/l	95
15) Acrylonitrile	5.19	53	65254	117.754	ug/l	100
16) Acetone	3.97	43	58959	99.375	ug/l	97
17) Carbon Disulfide	4.22	76	130847	19.191	ug/l	98
18) Methyl Acetate	4.51	43	30948	24.444	ug/l	97
19) Methyl tert-butyl Ether	5.25	73	113293	19.891	ug/l	96
20) Methylene Chloride	4.74	84	49024	18.086	ug/l	89
21) trans-1,2-Dichloroethene	5.25	96	45638	19.168	ug/l	94
22) Diisopropyl ether	6.14	45	144053	22.192	ug/l	92
23) Vinyl Acetate	6.09	43	484810	117.323	ug/l	97
24) 1,1-Dichloroethane	6.05	63	77614	19.878	ug/l	98
25) 2-Butanone	7.01	43	90470	117.537	ug/l	97
26) 2,2-Dichloropropane	7.00	77	69131	18.500	ug/l	99
27) cis-1,2-Dichloroethene	7.01	96	50962	19.597	ug/l	97
28) Bromochloromethane	7.36	49	29525	22.198	ug/l	90
29) Tetrahydrofuran	7.37	42	57807	125.302	ug/l	93
30) Chloroform	7.53	83	75352	19.053	ug/l	96
31) Cyclohexane	7.81	56	82854	20.745	ug/l	99
32) 1,1,1-Trichloroethane	7.72	97	67006	18.687	ug/l	97
36) 1,1-Dichloropropene	7.94	75	63393	19.545	ug/l	99
37) Ethyl Acetate	7.10	43	38464	24.498	ug/l	96
38) Carbon Tetrachloride	7.93	117	56939	18.145	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001555.D
 Acq On : 07 Feb 2020 15:40
 Operator : SY/MD
 Sample : VY0207SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:24 AM

Quant Time: Feb 08 03:01:58 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	9.20	83	83322	19.511	ug/l	99
40) Benzene	8.18	78	184620	19.956	ug/l	97
41) Methacrylonitrile	7.35	41	23044m	31.667	ug/l	
42) 1,2-Dichloroethane	8.26	62	51807	20.101	ug/l	100
43) Isopropyl Acetate	8.29	43	74000	23.804	ug/l	95
44) Trichloroethene	8.96	130	46970	18.836	ug/l	99
45) 1,2-Dichloropropane	9.24	63	47478	21.253	ug/l	98
46) Dibromomethane	9.32	93	24842	19.804	ug/l	97
47) Bromodichloromethane	9.52	83	59413	19.439	ug/l	95
48) Methyl methacrylate	9.31	41	32390	22.956	ug/l	96
49) 1,4-Dioxane	9.32	88	7344	443.310	ug/l	97
51) 4-Methyl-2-Pentanone	10.09	43	191412	125.028	ug/l	96
52) Toluene	10.26	92	117396	20.000	ug/l	100
53) t-1,3-Dichloropropene	10.48	75	65967	19.816	ug/l	97
54) cis-1,3-Dichloropropene	9.94	75	74507	19.495	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	37179	20.658	ug/l	99
56) Ethyl methacrylate	10.52	69	55800	21.798	ug/l	94
57) 1,3-Dichloropropane	10.80	76	65509	20.649	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	104649	111.127	ug/l	97
59) 2-Hexanone	10.85	43	136553	122.674	ug/l	96
60) Dibromochloromethane	11.00	129	39905	18.810	ug/l	100
61) 1,2-Dibromoethane	11.10	107	35634	20.102	ug/l	100
64) Tetrachloroethene	10.74	164	38821	18.510	ug/l	99
65) Chlorobenzene	11.53	112	120925	19.258	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	40537	18.446	ug/l	97
67) Ethyl Benzene	11.61	91	226562	19.515	ug/l	97
68) m/p-Xylenes	11.72	106	171056	39.247	ug/l	98
69) o-Xylene	12.04	106	80566	19.605	ug/l	99
70) Styrene	12.06	104	141524	19.915	ug/l	98
71) Bromoform	12.22	173	24223	19.795	ug/l #	100
73) Isopropylbenzene	12.35	105	218008	18.598	ug/l	99
74) N-amyl acetate	12.16	43	71352	23.424	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.59	83	46427	20.846	ug/l	98
76) 1,2,3-Trichloropropane	12.65	75	34798m	21.053	ug/l	
77) Bromobenzene	12.62	156	47872	18.871	ug/l	95
78) n-propylbenzene	12.69	91	269037	19.171	ug/l	98
79) 2-Chlorotoluene	12.77	91	148041	18.507	ug/l	98
80) 1,3,5-Trimethylbenzene	12.83	105	182023	18.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.39	75	16674	19.519	ug/l	95
82) 4-Chlorotoluene	12.87	91	157131	18.735	ug/l	100
83) tert-Butylbenzene	13.09	119	155938	18.687	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	181466	18.572	ug/l	99
85) sec-Butylbenzene	13.27	105	221235	18.857	ug/l	99
86) p-Isopropyltoluene	13.38	119	196750	19.030	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	94621	19.462	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	94797	19.463	ug/l	98
89) n-Butylbenzene	13.71	91	199341	19.541	ug/l	99
90) Hexachloroethane	13.97	117	36038	18.161	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	86125	19.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.37	75	7920	19.263	ug/l	97

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
Data File : VY001555.D
Acq On : 07 Feb 2020 15:40
Operator : SY/MD
Sample : VY0207SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM

Quant Time: Feb 08 03:01:58 2020
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.02	180	58430	19.680	ug/l	99
94) Hexachlorobutadiene	15.13	225	28826	19.130	ug/l	98
95) Naphthalene	15.25	128	136806	19.606	ug/l	99
96) 1,2,3-Trichlorobenzene	15.44	180	51773	19.754	ug/l	98

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

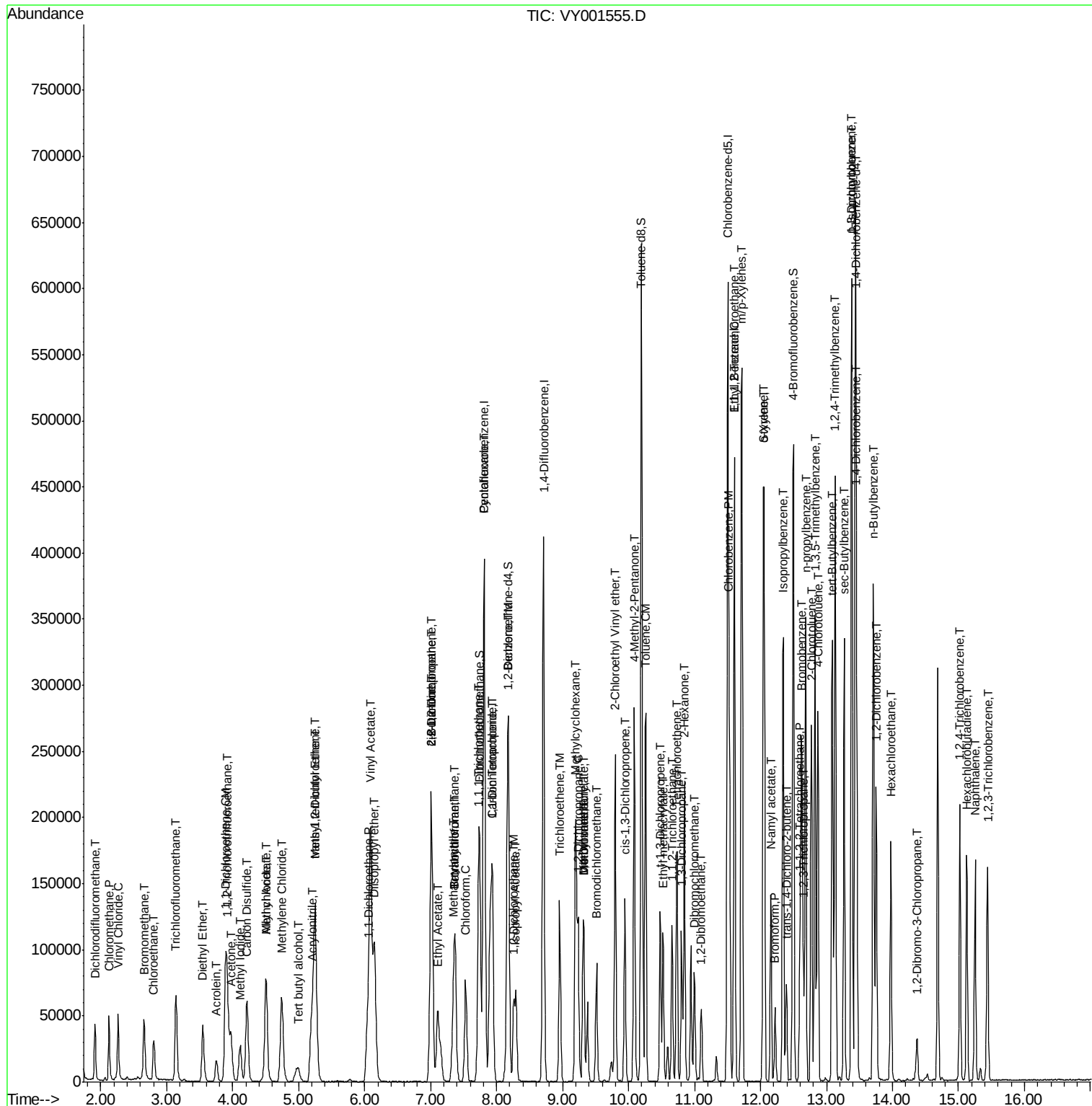
Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY020720\
 Data File : VY001555.D
 Acq On : 07 Feb 2020 15:40
 Operator : SY/MD
 Sample : VY0207SBSD01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

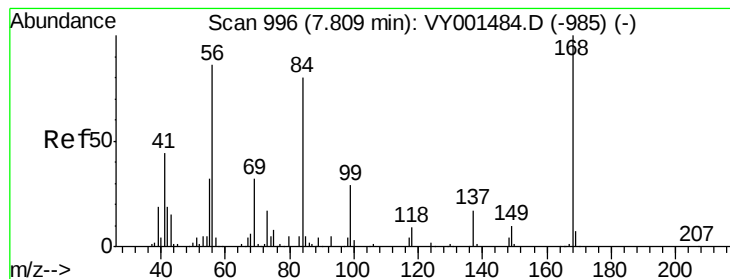
Instrument :
 MSVOA_Y
 Client Sample Id :
 VY0207SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:24 AM

Quant Time: Feb 08 03:01:58 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 997

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion:168 Resp: 203712

Ion Ratio Lower Upper

168 100

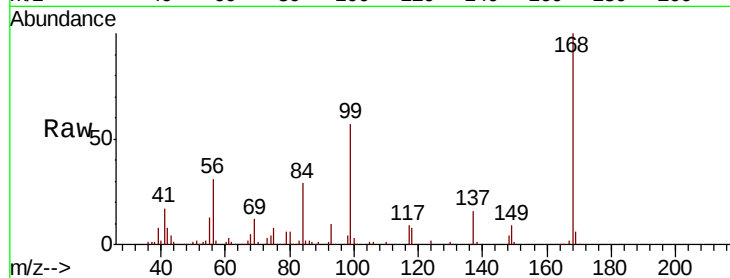
99 56.5 48.2 72.4

Manual Integrations

APPROVED

MMDadoda

2/10/2020 11:27:24 AM



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

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

7.82

100000

80000

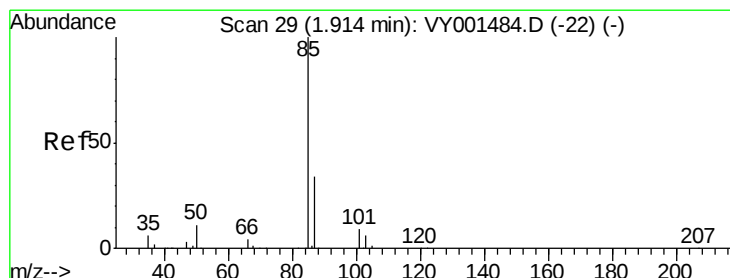
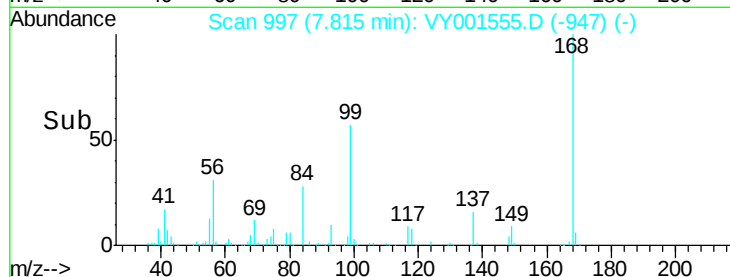
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.424 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001555.D

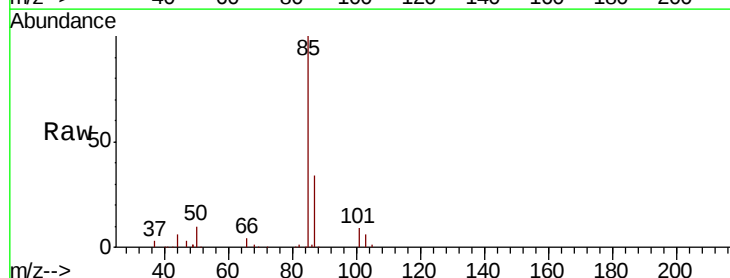
Acq: 07 Feb 2020 15:40

Tgt Ion: 85 Resp: 34744

Ion Ratio Lower Upper

85 100

87 33.7 17.0 50.9



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

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

1.91

25000

20000

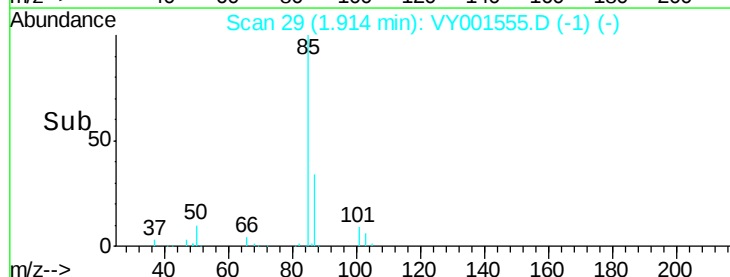
15000

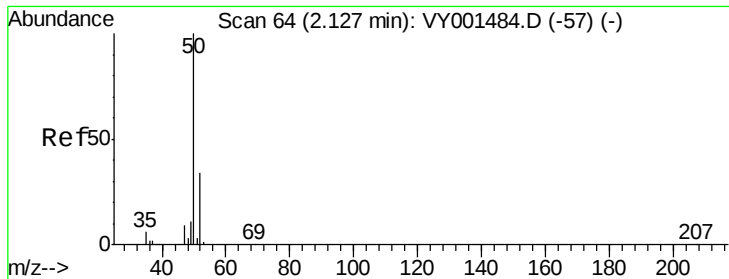
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.026 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 50 Resp: 45905

Ion Ratio Lower Upper

50 100

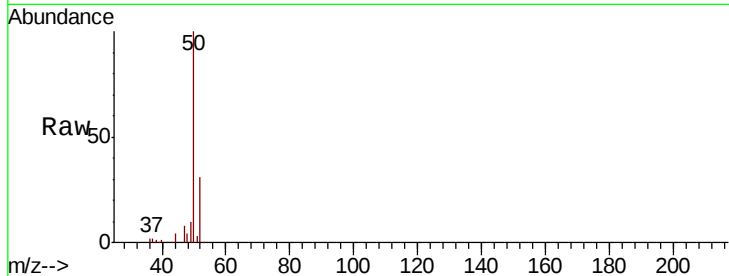
52 31.3 27.3 40.9

Manual Integrations

APPROVED

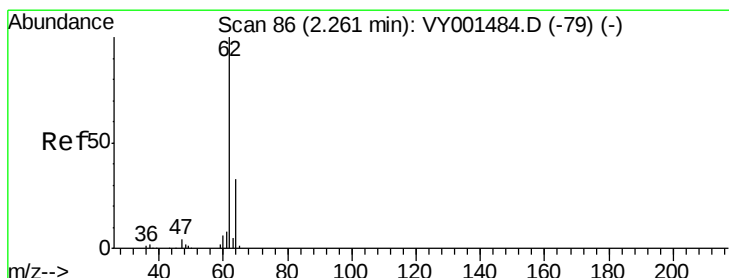
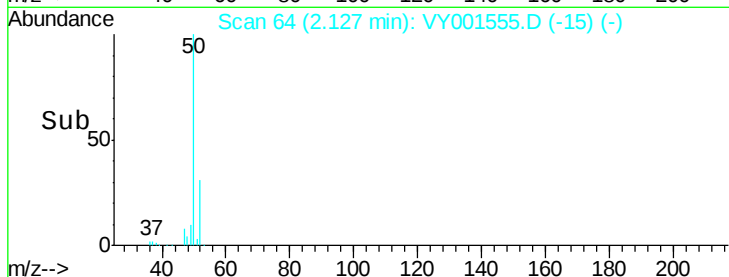
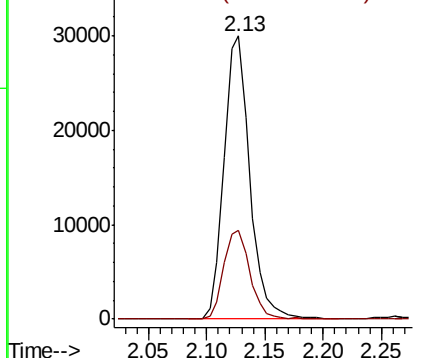
MMDadoda

2/10/2020 11:27:24 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 22.320 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001555.D

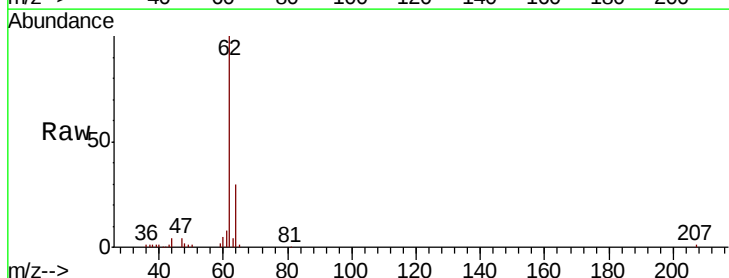
Acq: 07 Feb 2020 15:40

Tgt Ion: 62 Resp: 48301

Ion Ratio Lower Upper

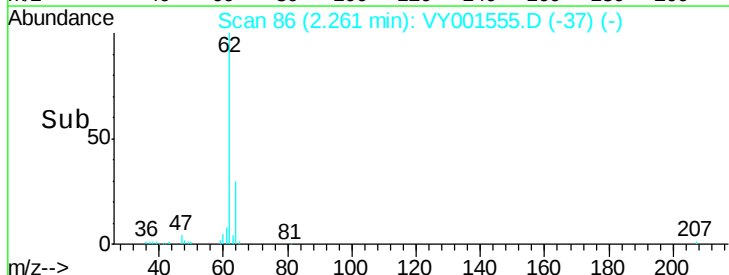
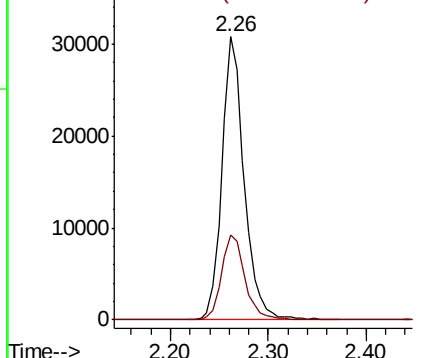
62 100

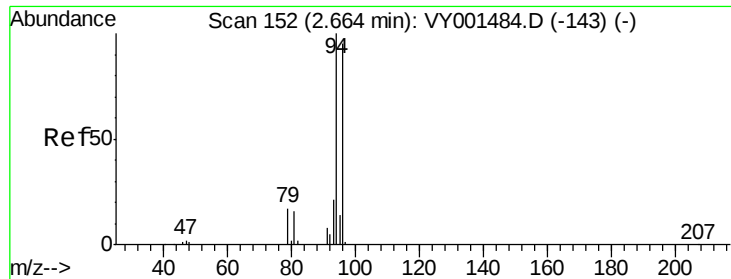
64 30.1 26.4 39.6



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 23.553 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 94 Resp: 32056

Ion Ratio Lower Upper

94 100

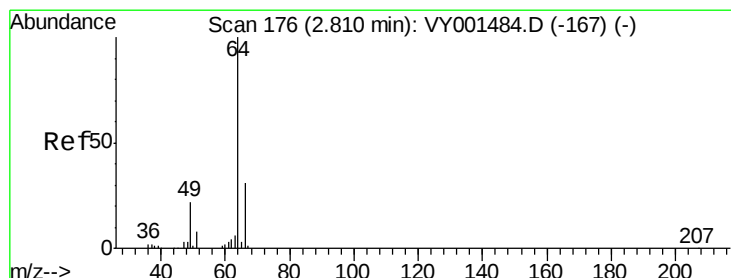
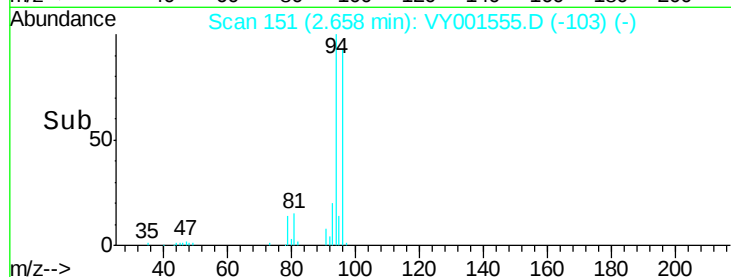
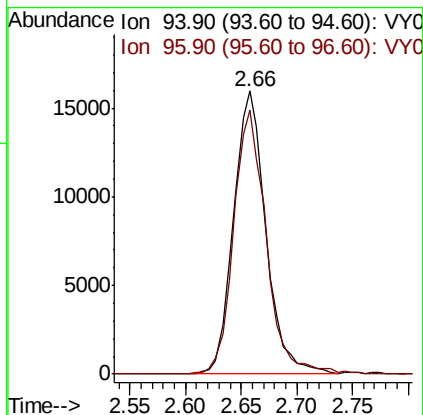
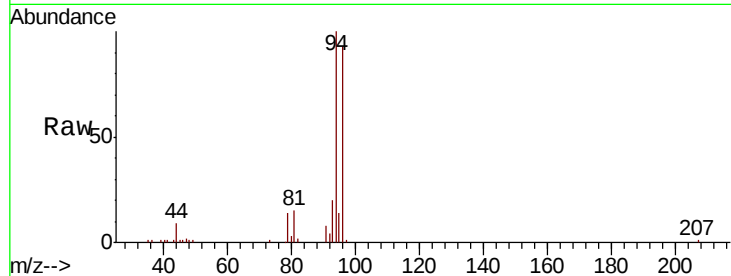
96 93.2 76.2 114.2

Manual Integrations

APPROVED

MMDadoda

2/10/2020 11:27:24 AM



#6

Chloroethane

Concen: 23.485 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001555.D

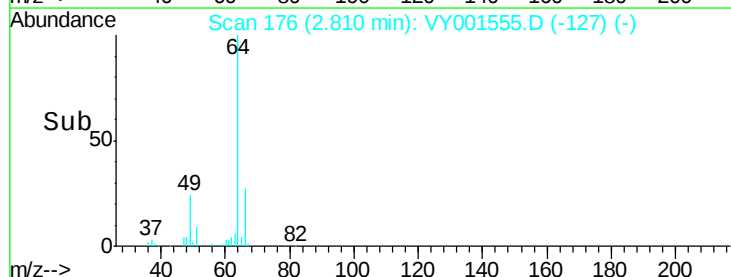
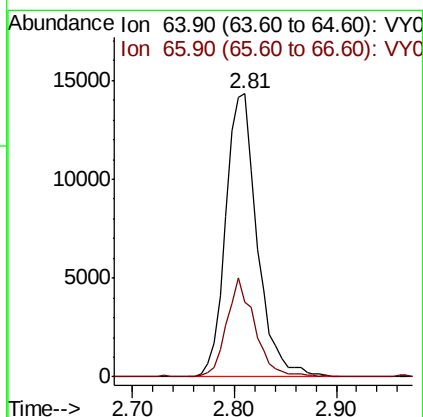
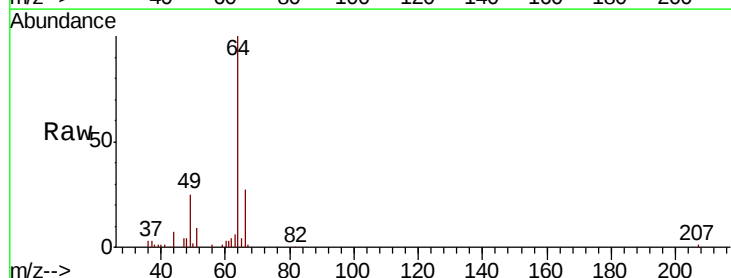
Acq: 07 Feb 2020 15:40

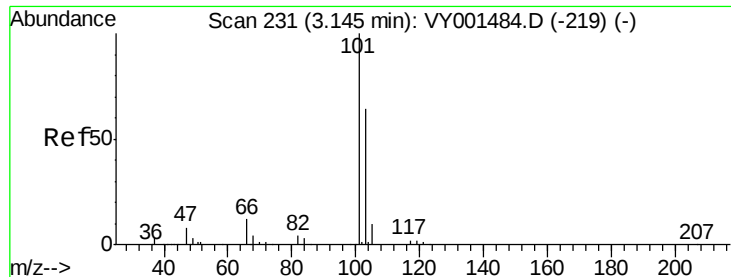
Tgt Ion: 64 Resp: 30635

Ion Ratio Lower Upper

64 100

66 26.5 24.5 36.7





#7

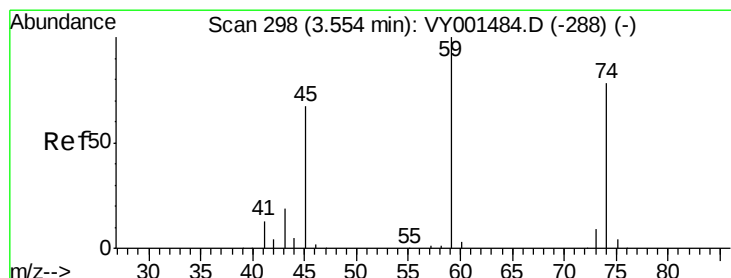
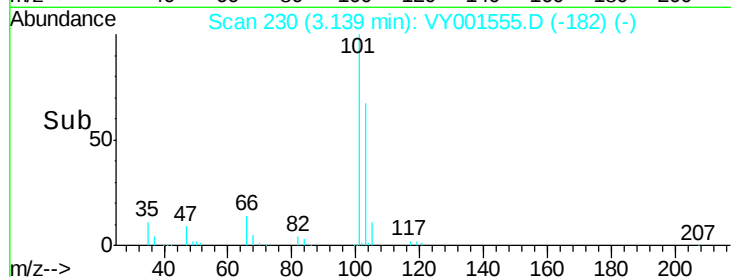
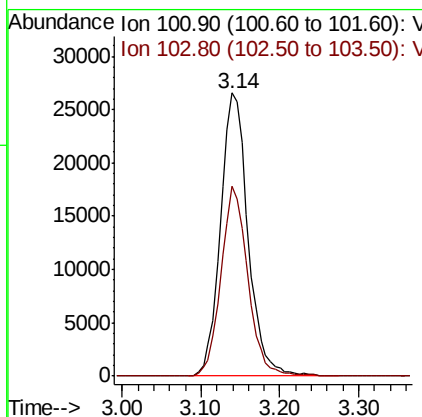
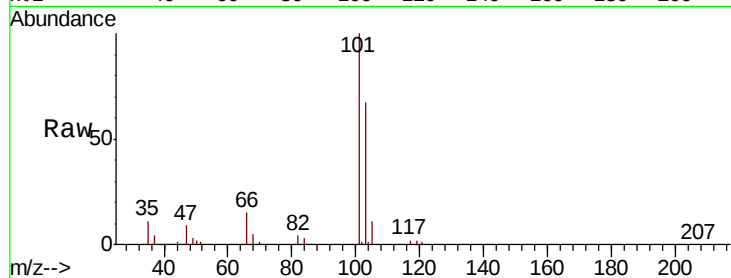
Trichlorofluoromethane
 Concen: 18.008 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.9	50.9	76.3

Manual Integrations
 APPROVED

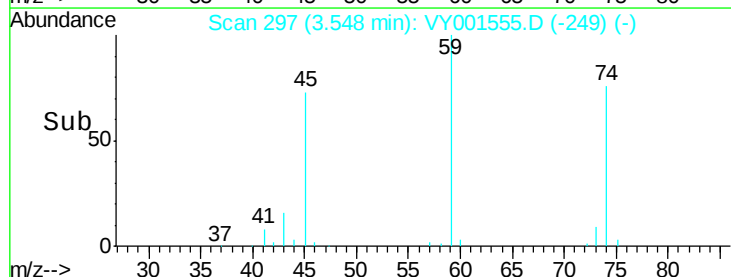
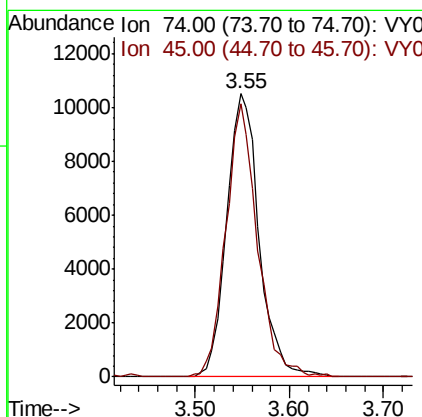
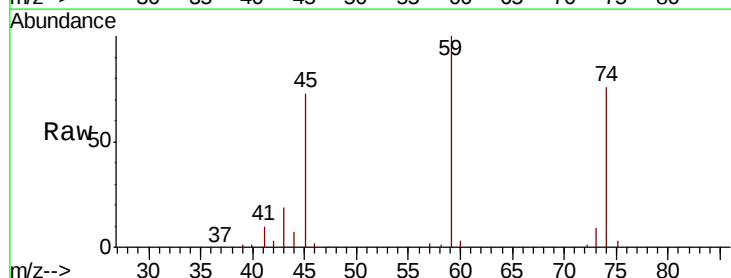
MMDadoda
 2/10/2020 11:27:24 AM

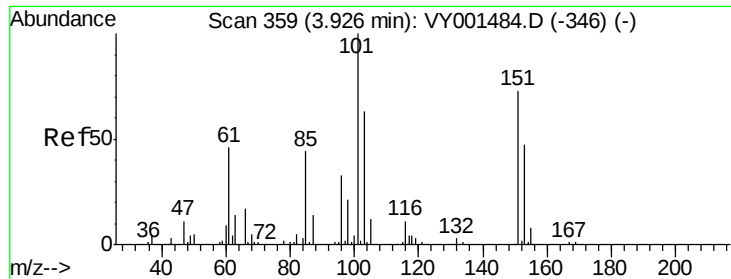


#8

Diethyl Ether
 Concen: 20.803 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	44.5	133.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.954 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

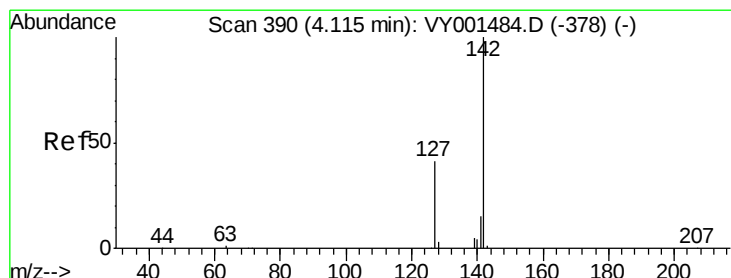
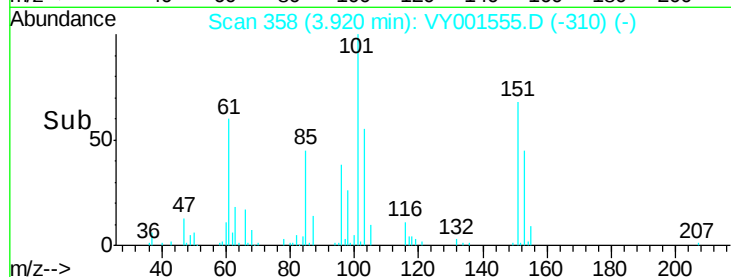
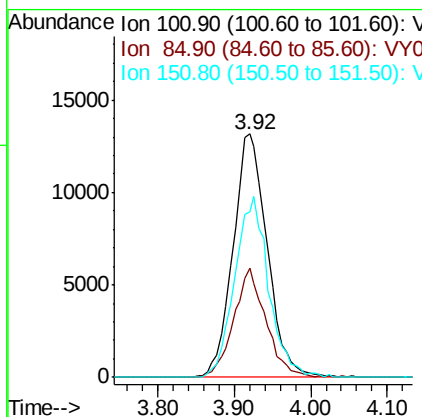
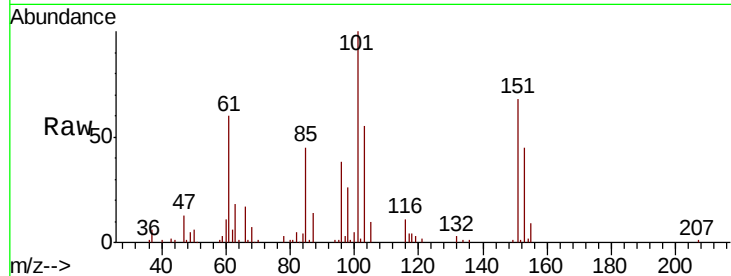
ClientSampleId :

VY0207SBS01

Tot Ion:	101	Resp:	40852
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.6	51.8
151	73.6	60.3	90.5

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#10

Methyl Iodide

Concen: 17.703 ug/l

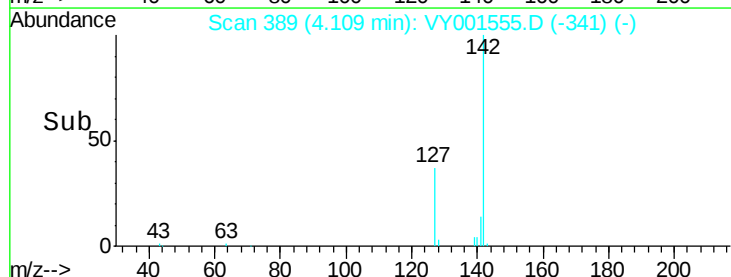
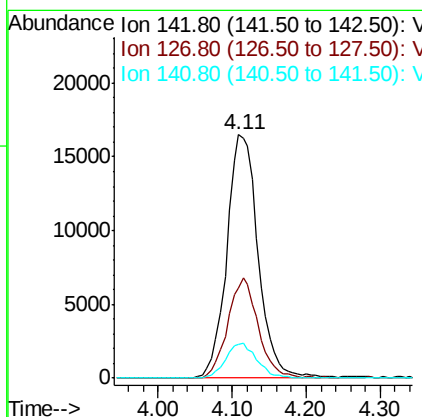
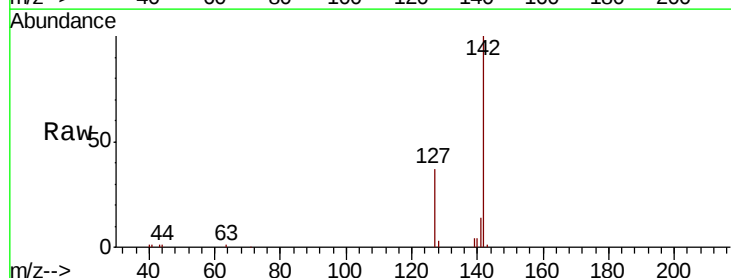
RT: 4.11 min Scan# 389

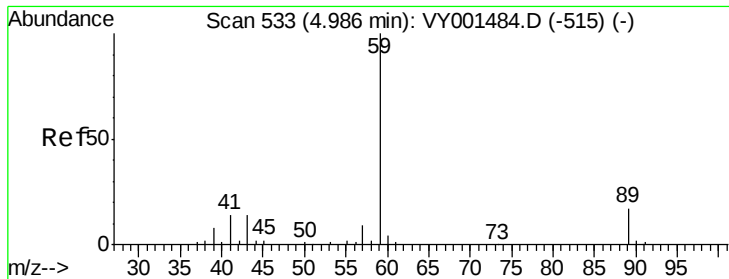
Delta R.T. -0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Tgt Ion:	142	Resp:	48617
Ion Ratio	Lower	Upper	
142	100		
127	40.0	33.3	49.9
141	14.1	11.5	17.3





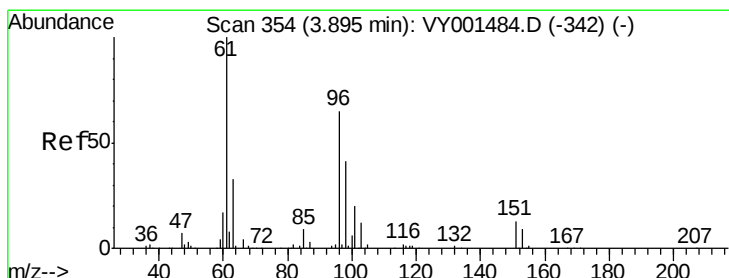
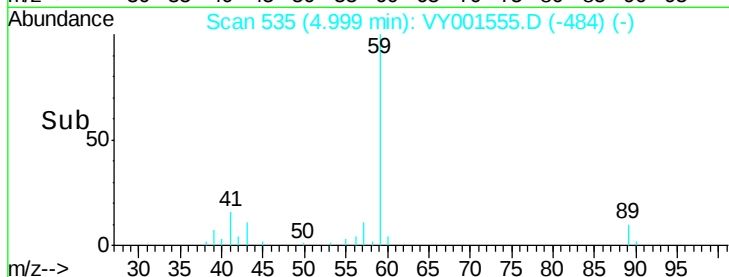
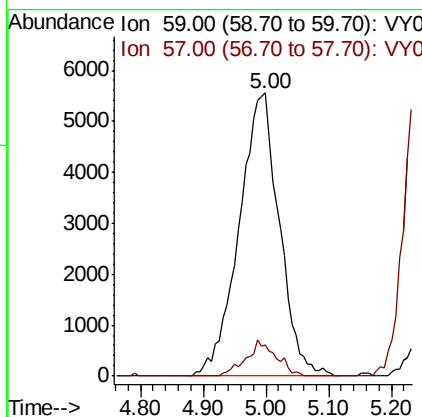
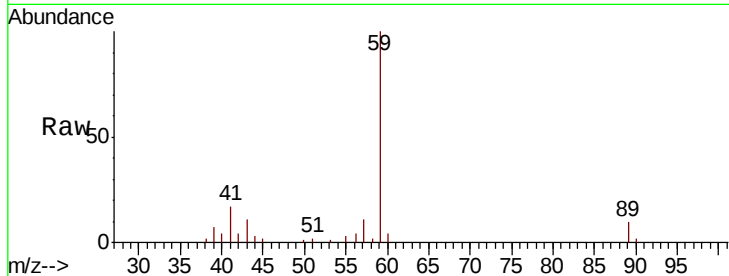
#11
Tert butyl alcohol
Concen: 84.690 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 59 Resp: 24691
Ion Ratio Lower Upper
59 100
57 9.4 7.0 10.6

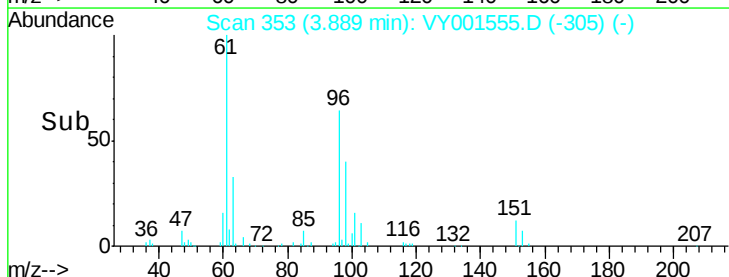
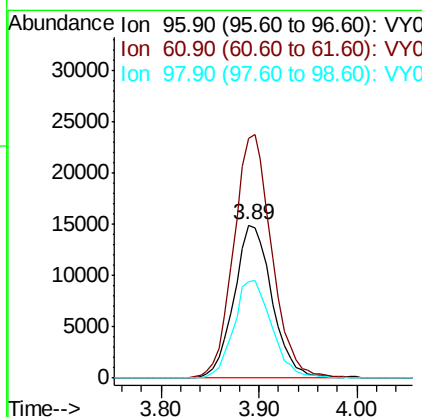
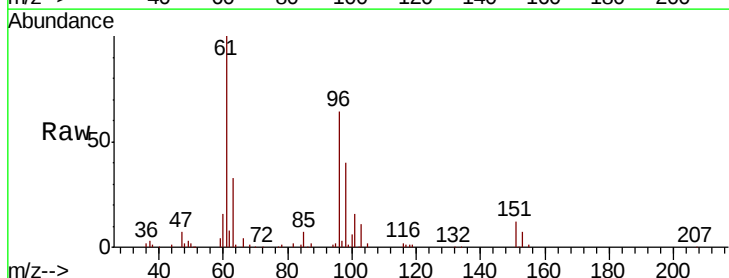
Manual Integrations
APPROVED

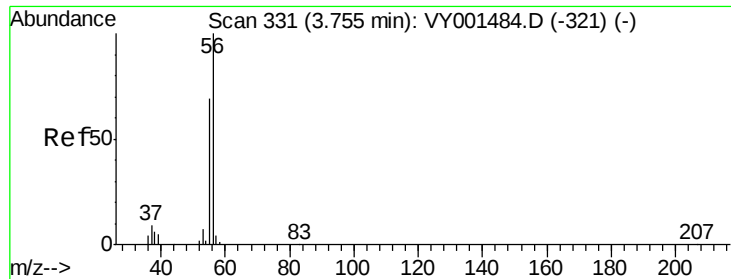
MMDadoda
2/10/2020 11:27:24 AM



#12
1,1-Dichloroethene
Concen: 18.747 ug/l
RT: 3.89 min Scan# 353
Delta R.T. -0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 96 Resp: 40151
Ion Ratio Lower Upper
96 100
61 156.8 122.3 183.5
98 63.1 49.7 74.5





#13

Acrolein

Concen: 104.663 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 56 Resp: 20327

Ion Ratio Lower Upper

56 100

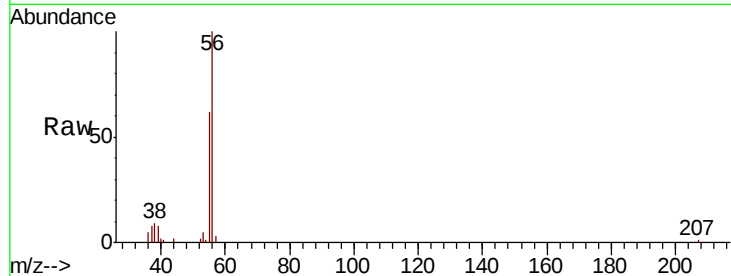
55 69.5 56.2 84.4

Manual Integrations

APPROVED

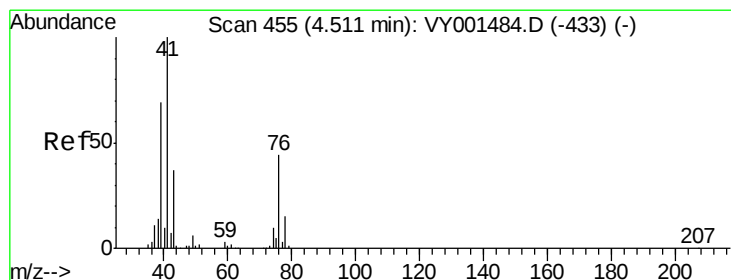
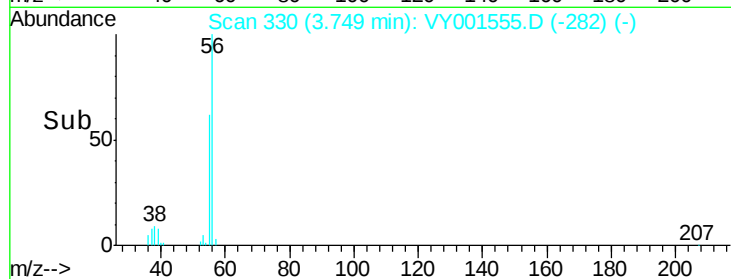
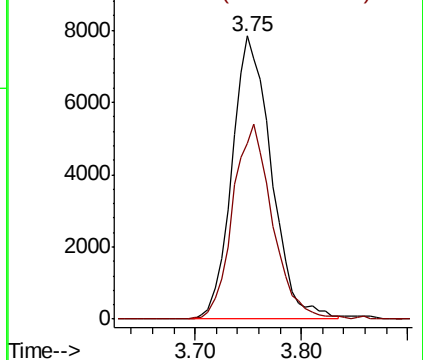
MMDadoda

2/10/2020 11:27:24 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 21.634 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

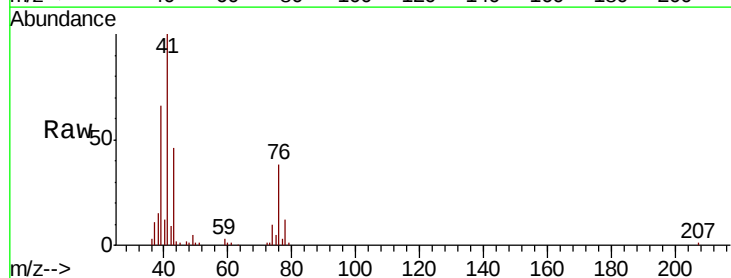
Tgt Ion: 41 Resp: 70883

Ion Ratio Lower Upper

41 100

39 63.9 53.0 79.6

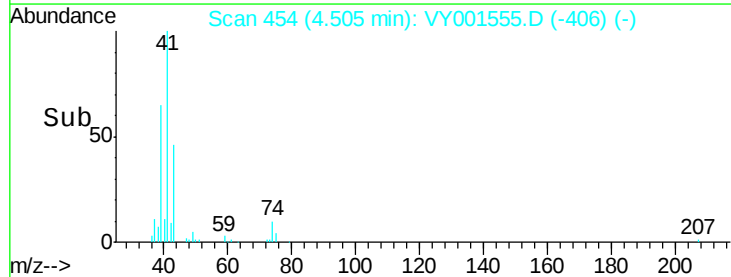
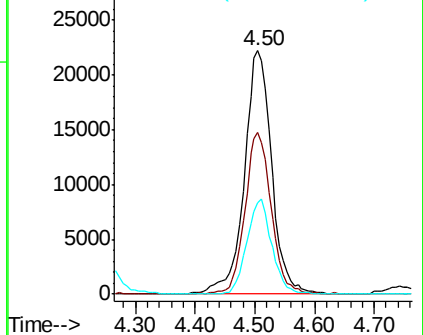
76 35.5 32.6 48.8

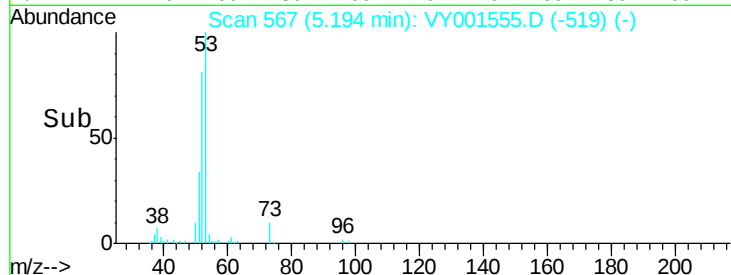
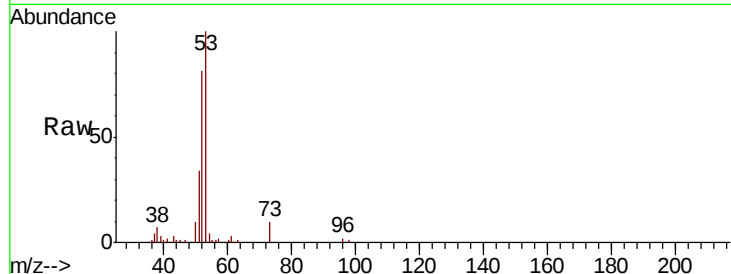


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





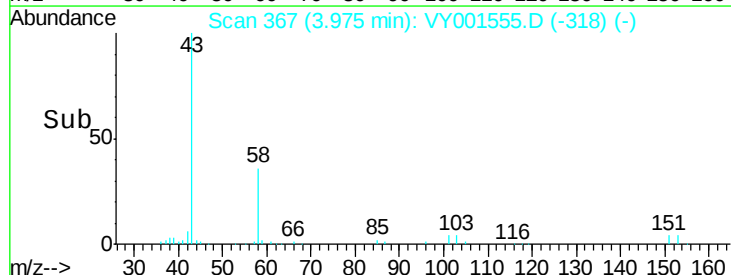
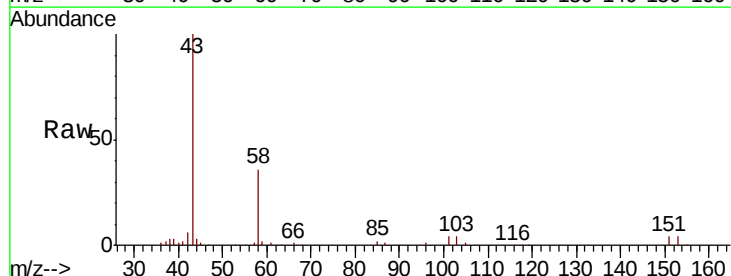
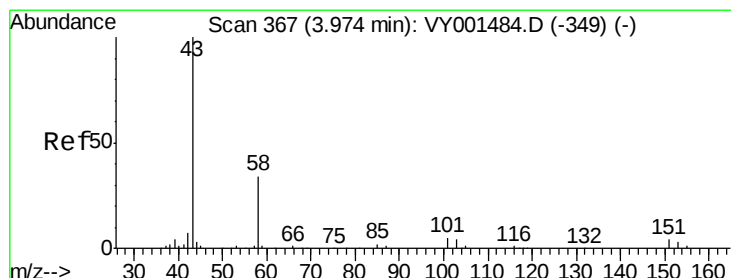
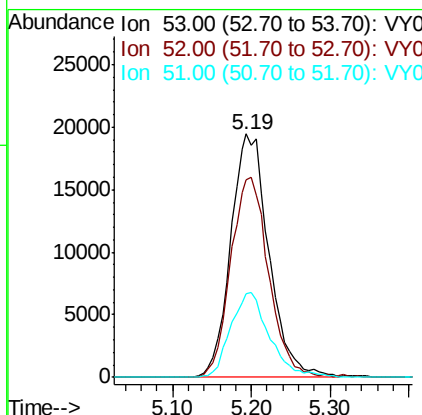
#15
Acrylonitrile
Concen: 117.754 ug/l
RT: 5.19 min Scan# 567
Delta R.T. -0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tot Ion:	53	Resp:	65254
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.4	98.2
51	35.7	29.0	43.4

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

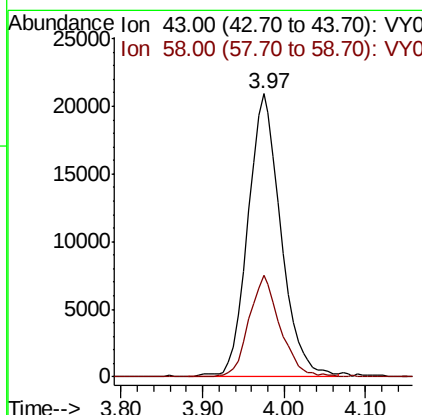
Manual Integrations
APPROVED

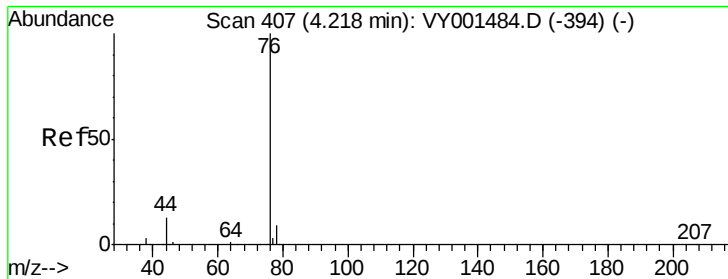
MMDadoda
2/10/2020 11:27:24 AM



#16
Acetone
Concen: 99.375 ug/l
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion:	43	Resp:	58959
Ion Ratio	Lower	Upper	
43	100		
58	36.0	27.5	41.3





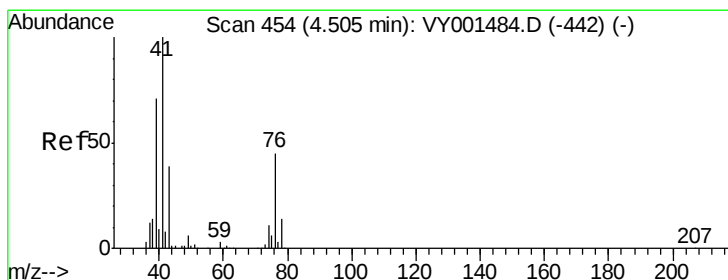
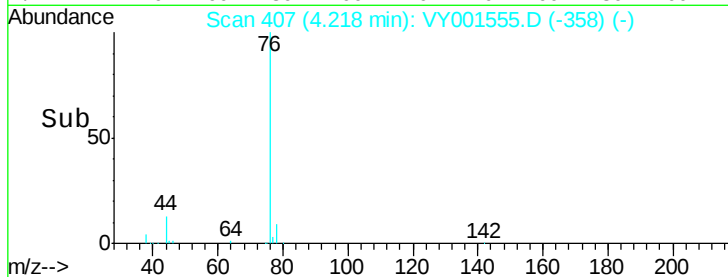
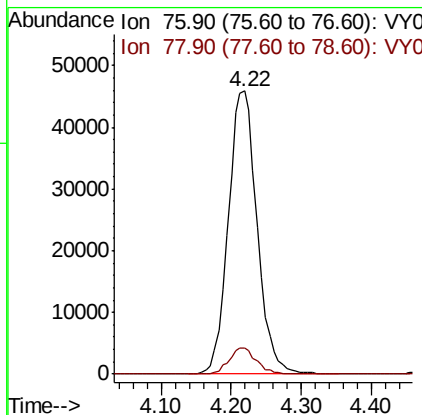
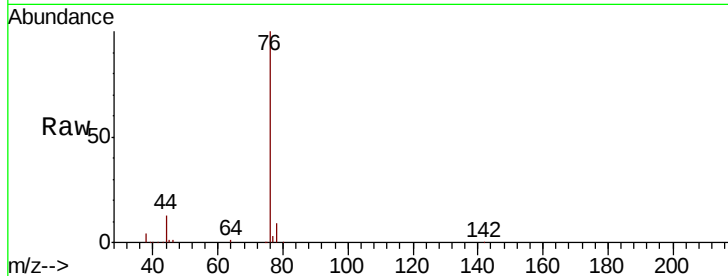
#17
Carbon Disulfide
Concen: 19.191 ug/l
RT: 4.22 min Scan# 407
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.6

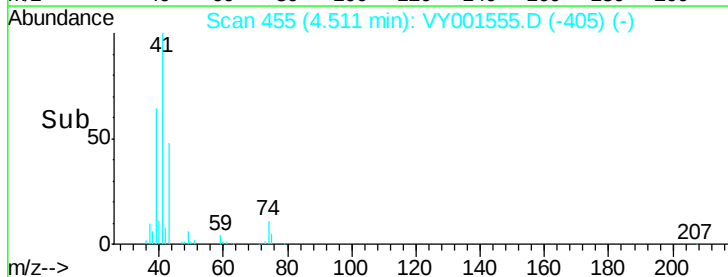
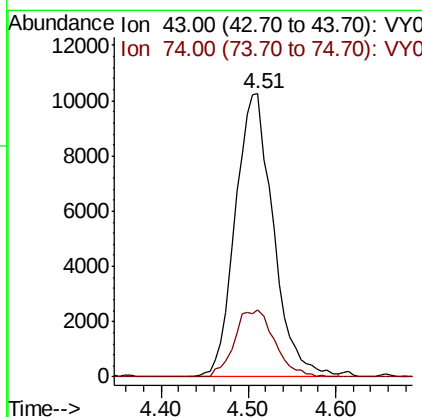
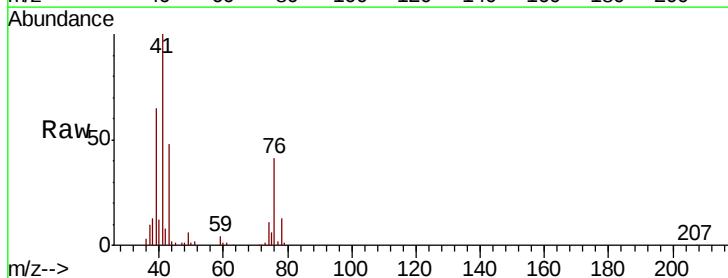
Manual Integrations
APPROVED

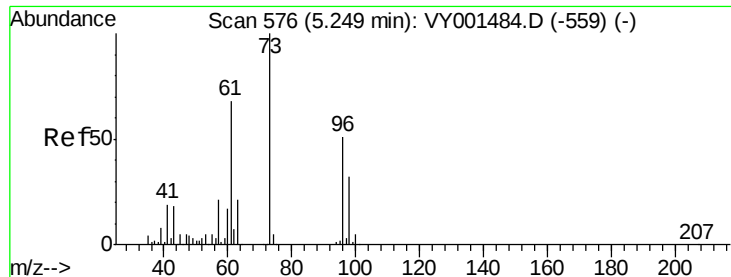
MMDadoda
2/10/2020 11:27:24 AM



#18
Methyl Acetate
Concen: 24.444 ug/l
RT: 4.51 min Scan# 455
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	21.0	31.6





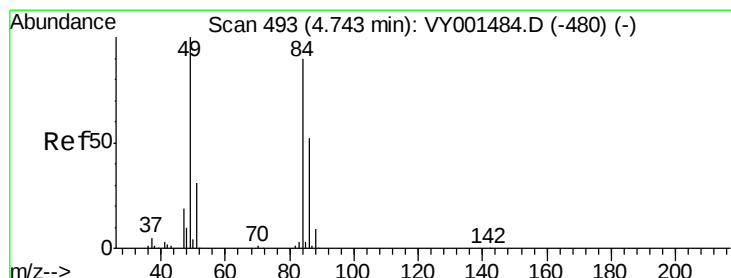
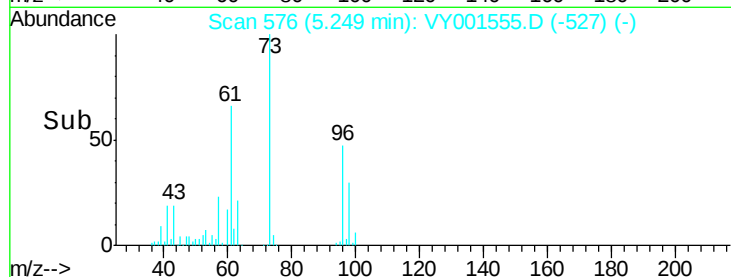
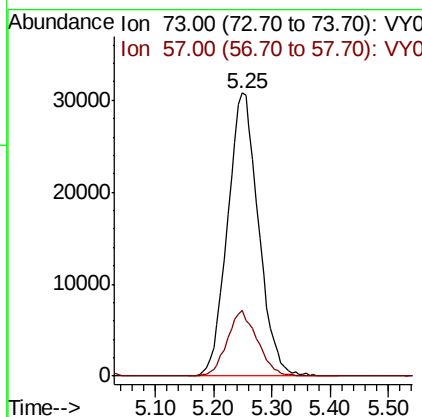
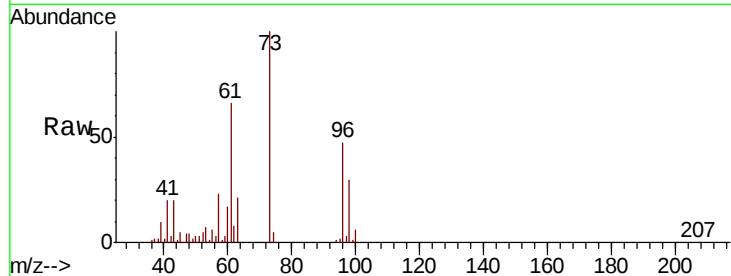
#19
Methvl tert-butvl Ether
Concen: 19.891 ug/l
RT: 5.25 min Scan# 576
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 73 Resp: 113293
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.6

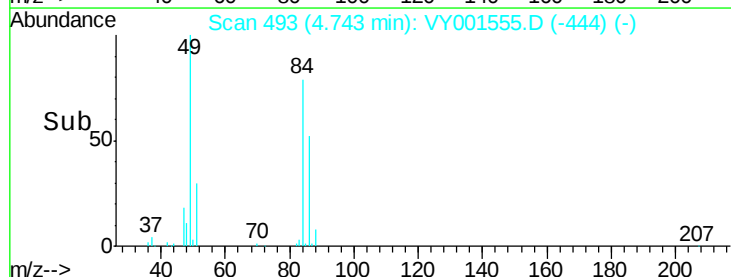
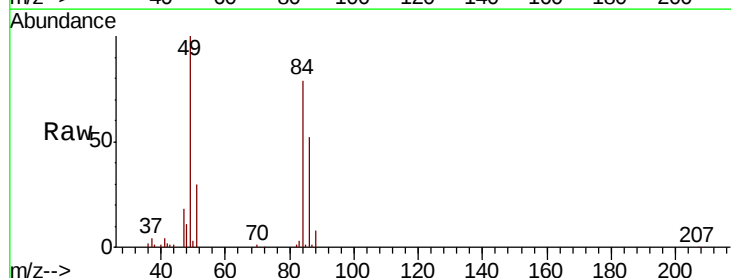
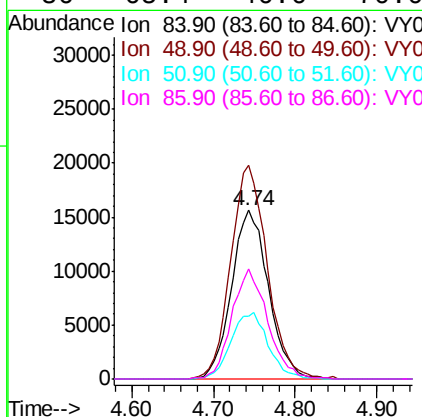
Manual Integrations
APPROVED

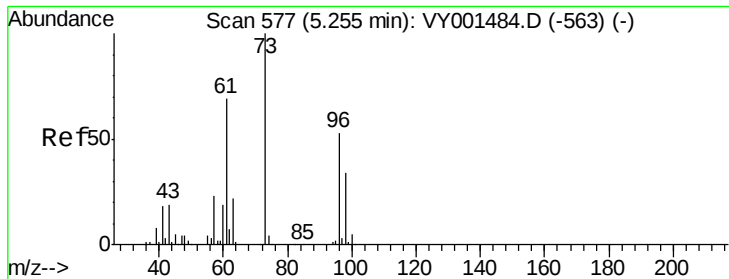
MMDadoda
2/10/2020 11:27:24 AM



#20
Methylene Chloride
Concen: 18.086 ug/l
RT: 4.74 min Scan# 493
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 84 Resp: 49024
Ion Ratio Lower Upper
84 100
49 126.5 89.0 133.6
51 37.4 27.4 41.2
86 65.4 46.6 70.0





#21

trans-1,2-Dichloroethene

Concen: 19.168 ug/l

RT: 5.25 min Scan# 576

Delta R.T. -0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

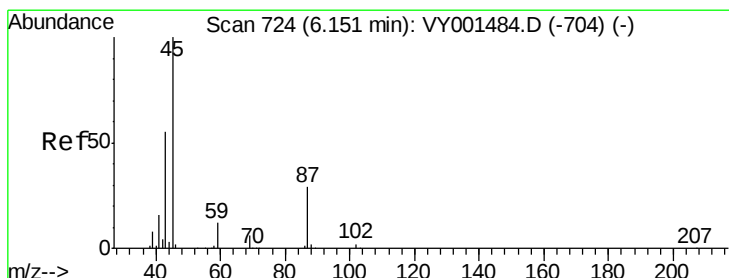
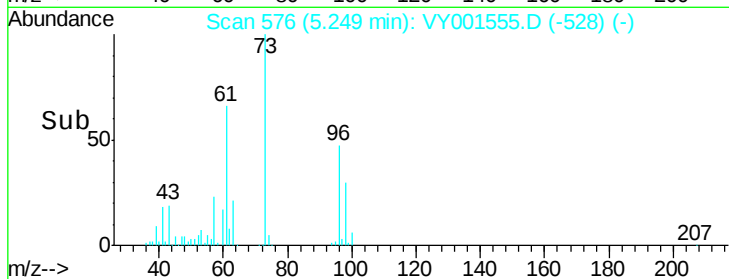
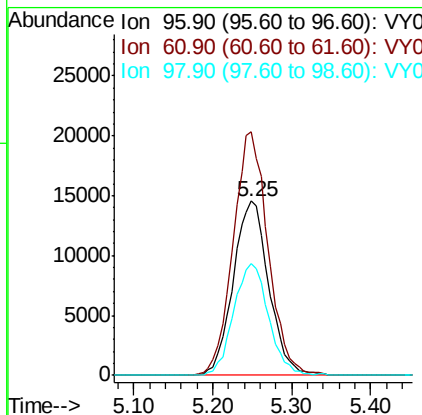
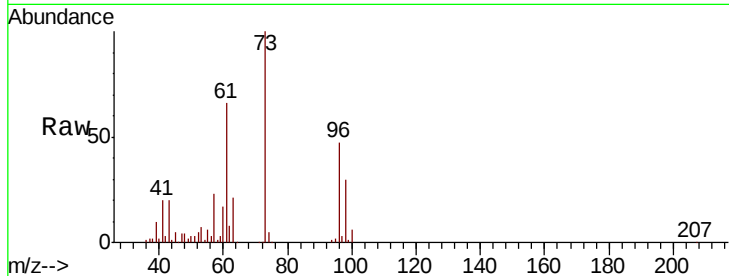
ClientSampleId :

VY0207SBS01

Tot Ion:	96	Resp:	45638
Ion	Ratio	Lower	Upper
96	100		
61	139.6	104.2	156.4
98	63.8	51.4	77.0

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#22

Diisopropyl ether

Concen: 22.192 ug/l

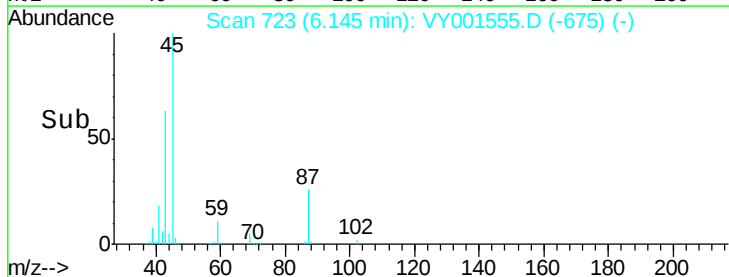
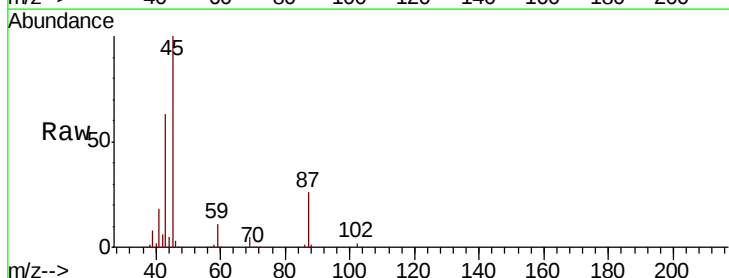
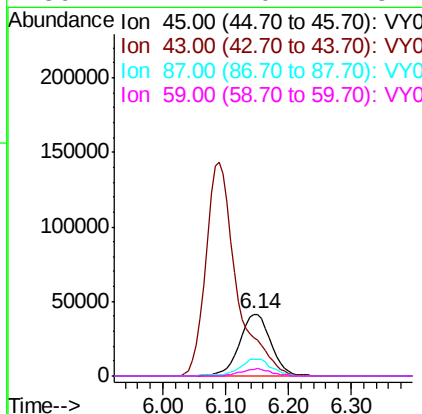
RT: 6.14 min Scan# 723

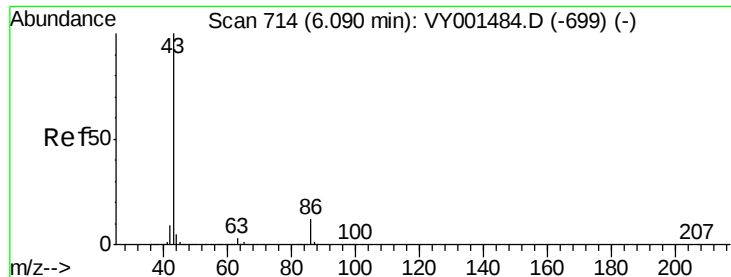
Delta R.T. -0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Tgt Ion:	45	Resp:	144053
Ion	Ratio	Lower	Upper
45	100		
43	62.5	44.2	66.4
87	26.5	23.9	35.9
59	11.4	10.2	15.2





#23

Vinyl Acetate

Concen: 117.323 ug/l

RT: 6.09 min Scan# 714

Delta R.T. 0.00 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 43 Resp: 484810

Ion Ratio Lower Upper

43 100

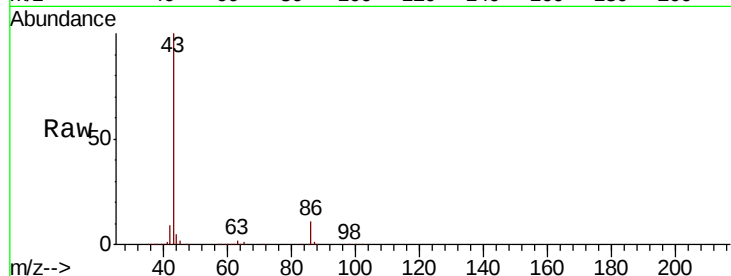
86 11.1 9.8 14.8

Manual Integrations

APPROVED

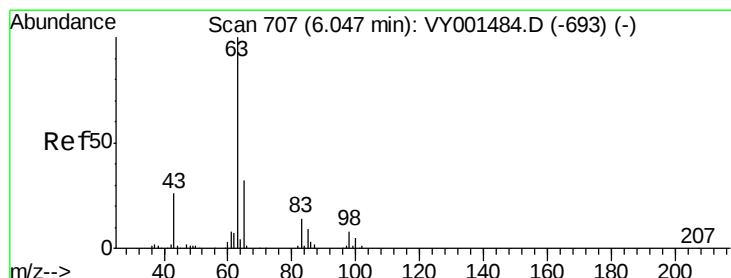
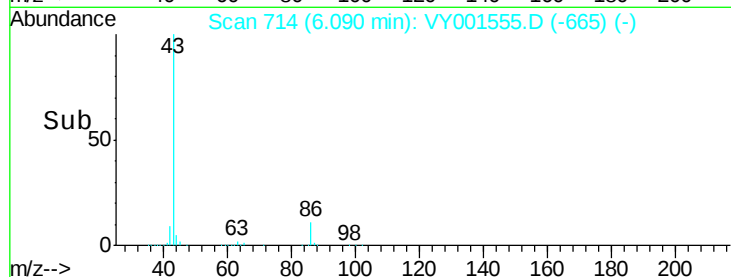
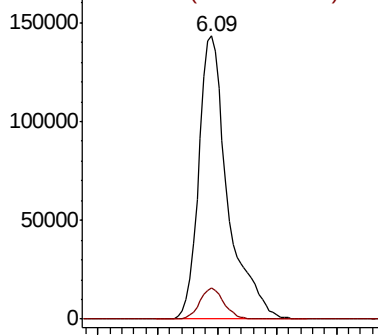
MMDadoda

2/10/2020 11:27:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 19.878 ug/l

RT: 6.05 min Scan# 707

Delta R.T. 0.00 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

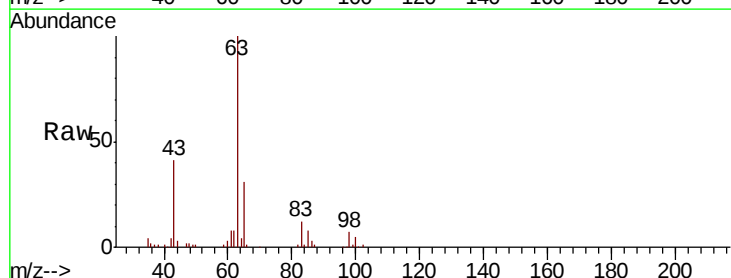
Tgt Ion: 63 Resp: 77614

Ion Ratio Lower Upper

63 100

98 7.1 4.0 11.9

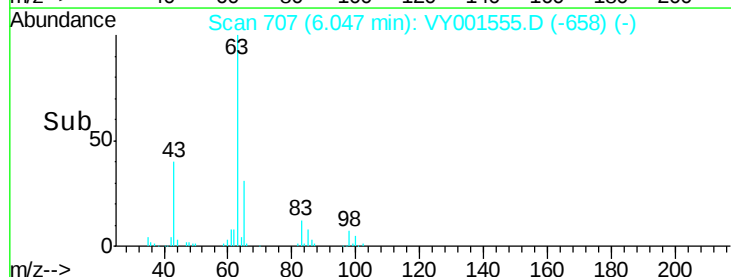
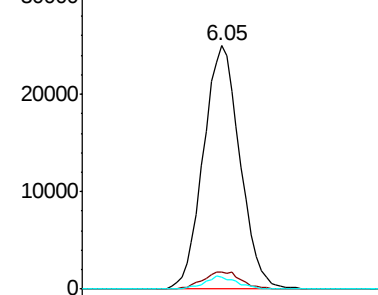
100 5.1 2.6 8.0

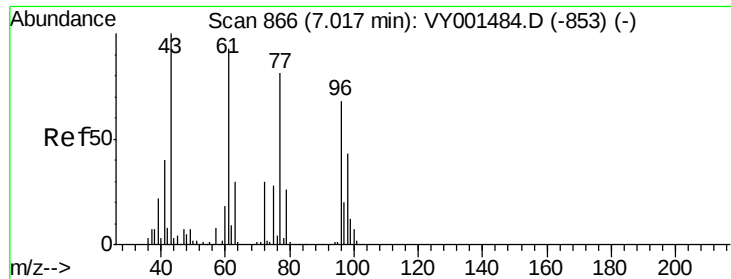


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





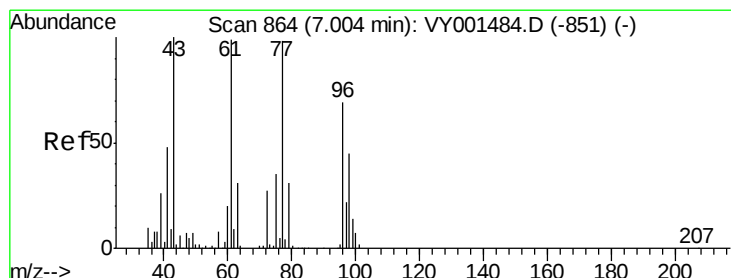
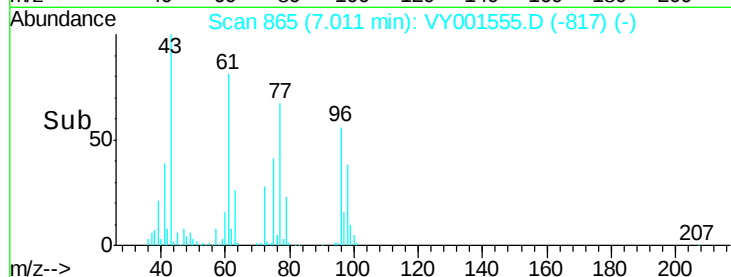
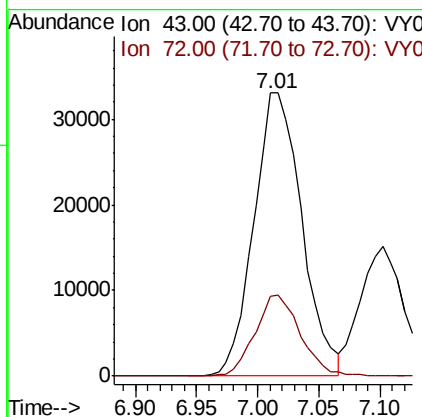
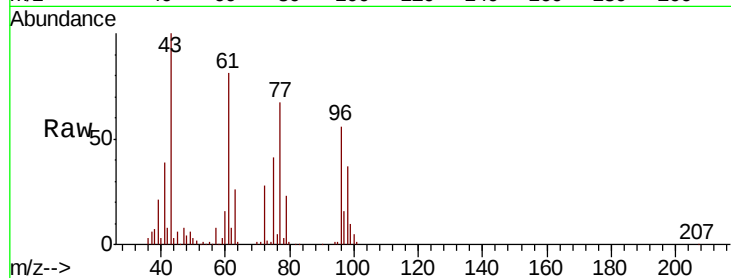
#25
2-Butanone
Concen: 117.537 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 43 Resp: 90470
Ion Ratio Lower Upper
43 100
72 28.4 23.8 35.8

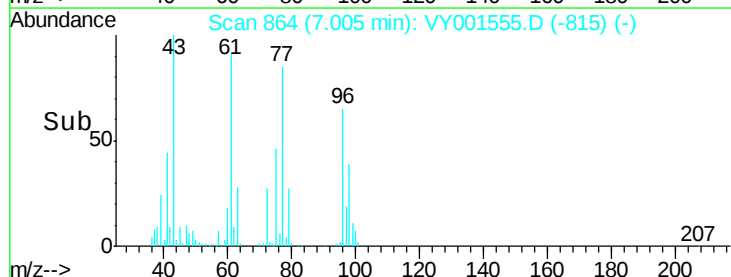
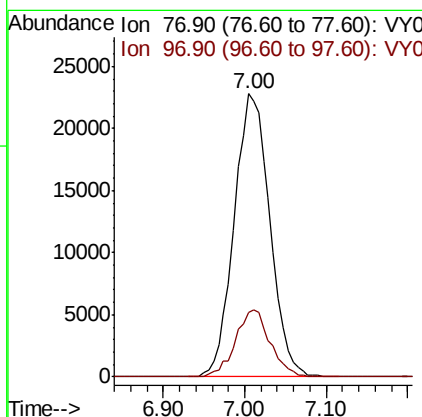
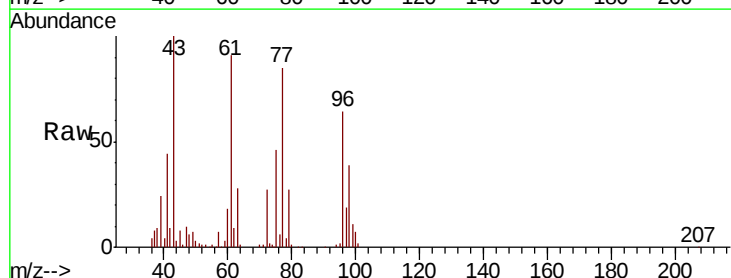
Manual Integrations
APPROVED

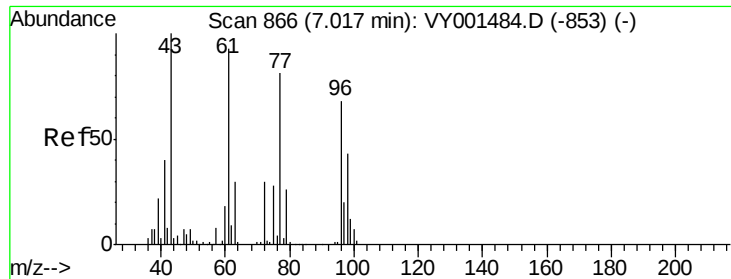
MMDadoda
2/10/2020 11:27:24 AM



#26
2,2-Dichloropropane
Concen: 18.500 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 77 Resp: 69131
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.0





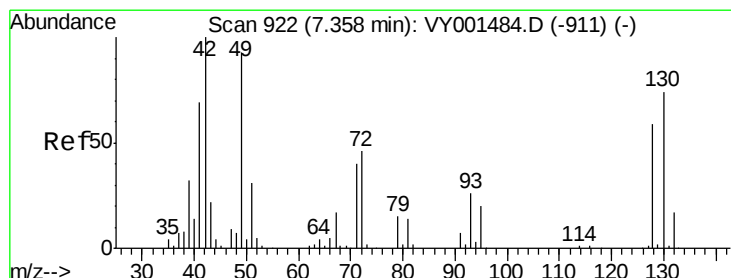
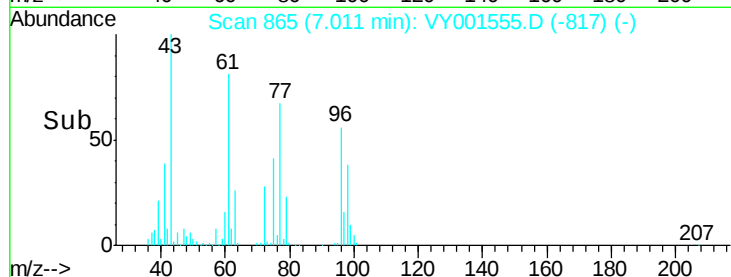
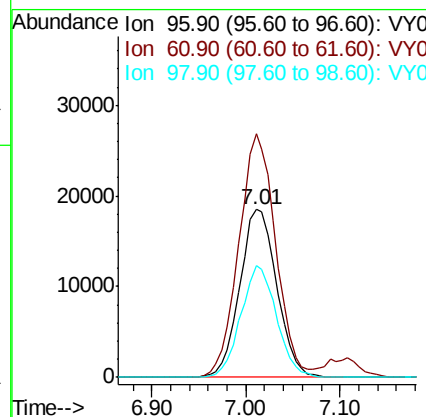
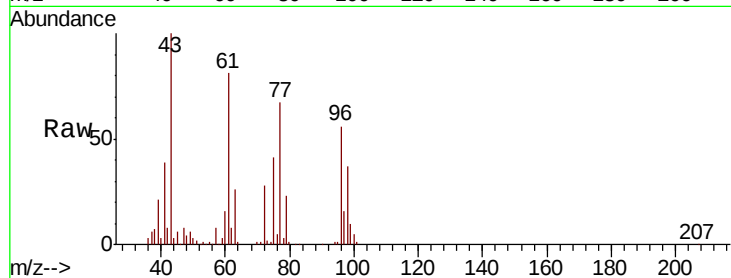
#27
 cis-1,2-Dichloroethene
 Concen: 19.597 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	50962		
61	144.3		0.0	278.8
98	63.8		0.0	128.8

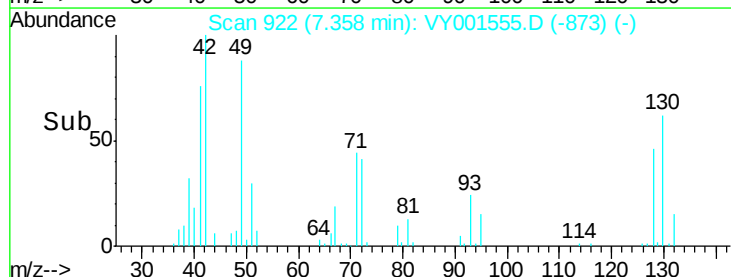
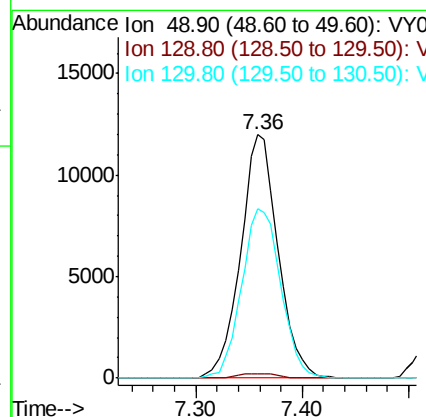
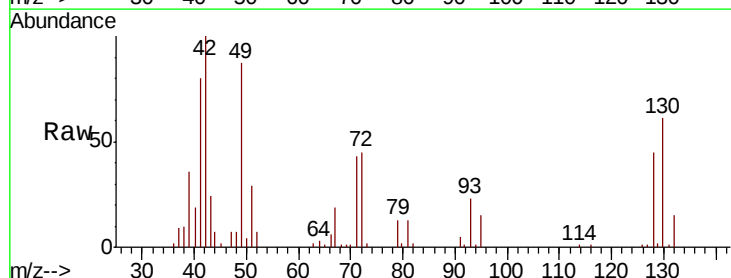
Manual Integrations
 APPROVED

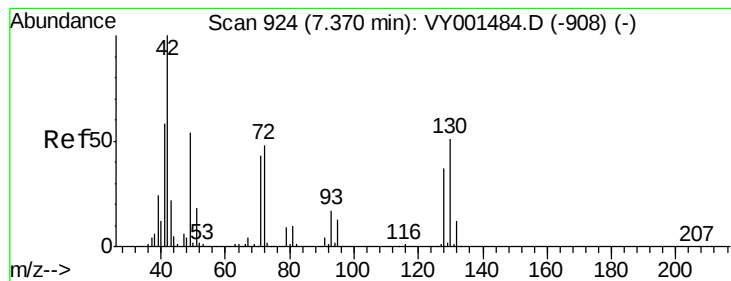
MMDadoda
 2/10/2020 11:27:24 AM



#28
 Bromochloromethane
 Concen: 22.198 ug/l
 RT: 7.36 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	29525		
129	1.9		0.0	4.8
130	72.7		65.4	98.2





#29

Tetrahydrofuran

Concen: 125.302 ug/l

RT: 7.37 min Scan# 924

Delta R.T. 0.00 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

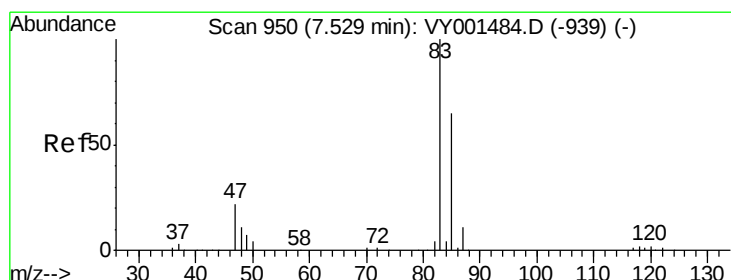
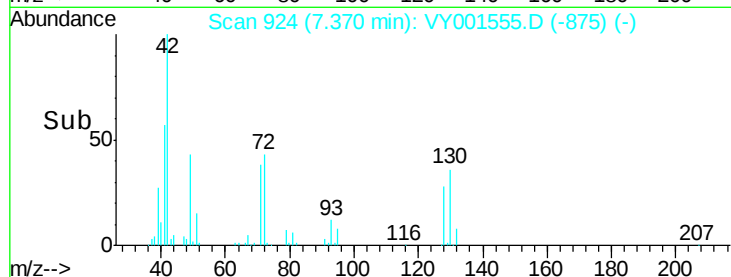
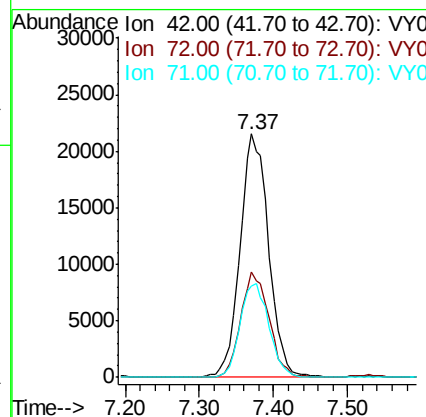
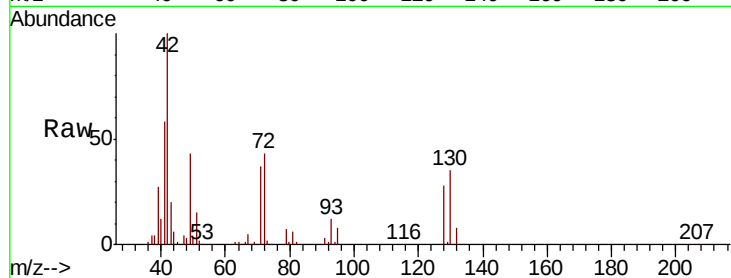
ClientSampleId :

VY0207SBS01

Tot Ion:	42	Resp:	57807
Ion Ratio		Lower	Upper
42	100		
72	42.9	37.8	56.6
71	39.2	34.8	52.2

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#30

Chloroform

Concen: 19.053 ug/l

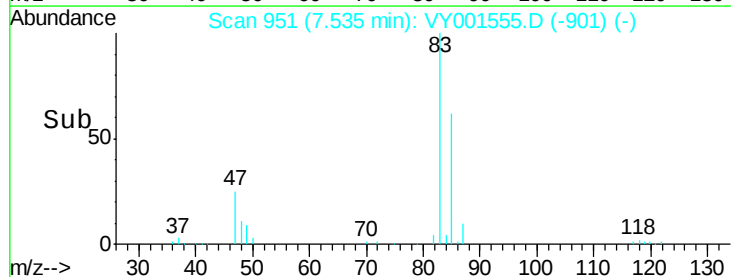
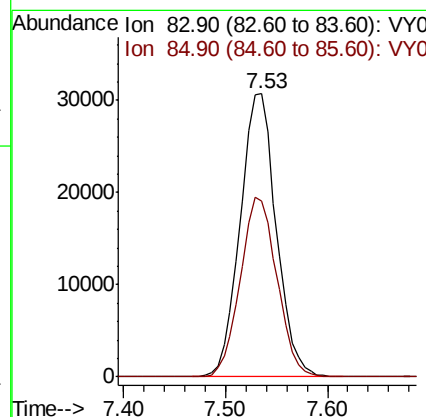
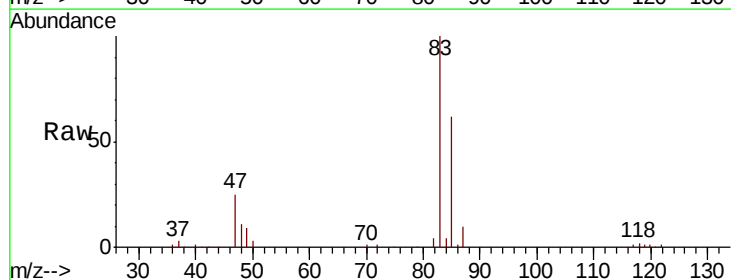
RT: 7.53 min Scan# 951

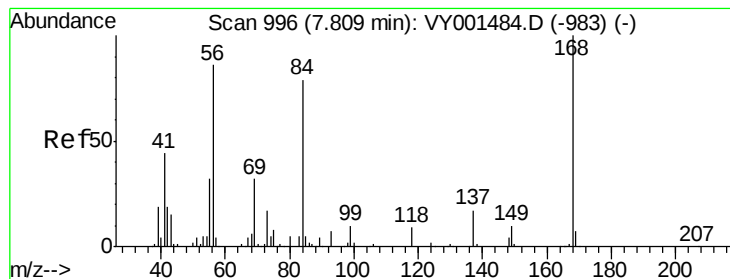
Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Tgt Ion:	83	Resp:	75352
Ion Ratio		Lower	Upper
83	100		
85	62.3	52.4	78.6





#31

Cyclohexane

Concen: 20.745 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

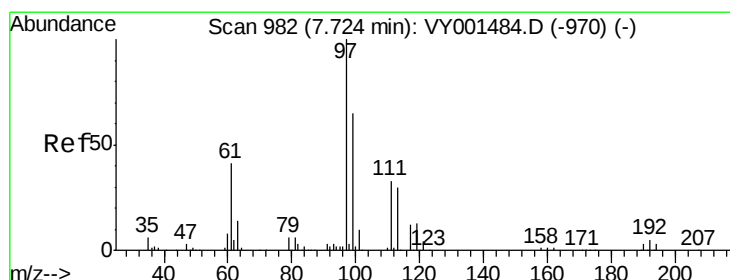
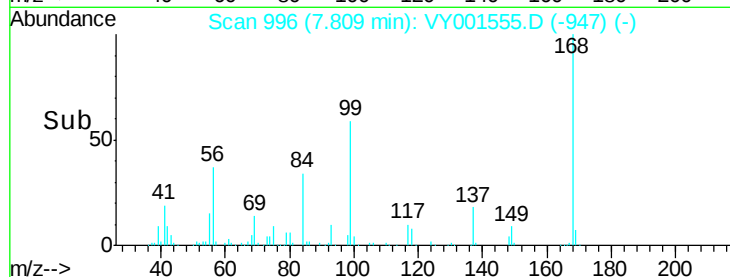
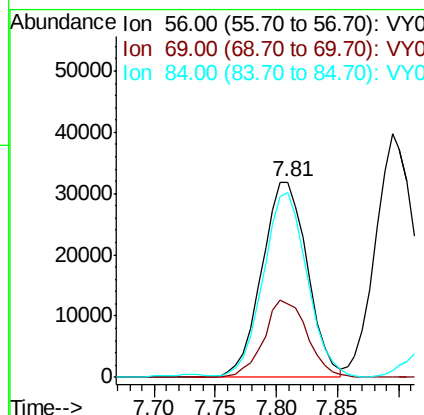
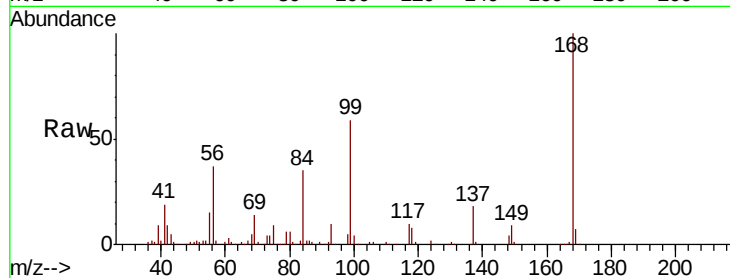
ClientSampleId :

VY0207SBSD01

Tot Ion:	56	Resp:	82854
Ion Ratio	Lower	Upper	
56	100		
69	37.8	29.6	44.4
84	93.2	73.6	110.4

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#32

1,1,1-Trichloroethane

Concen: 18.687 ug/l

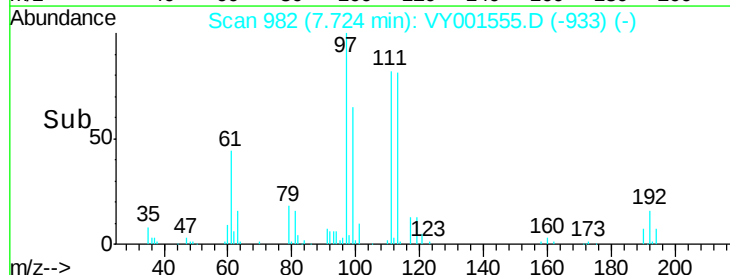
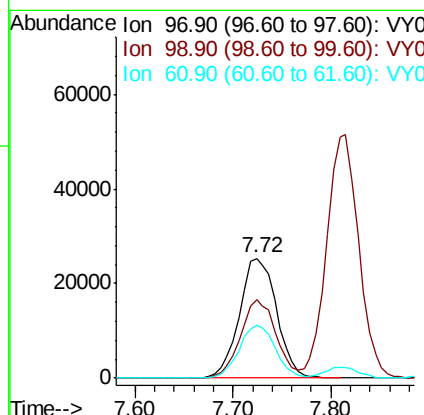
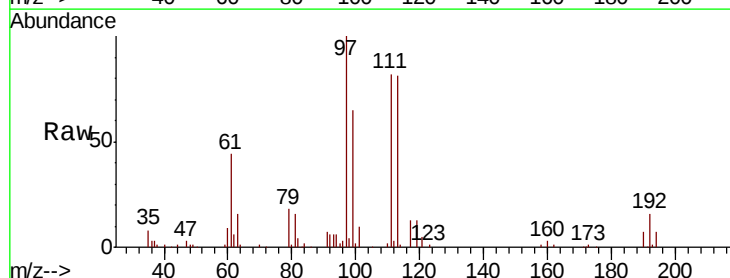
RT: 7.72 min Scan# 982

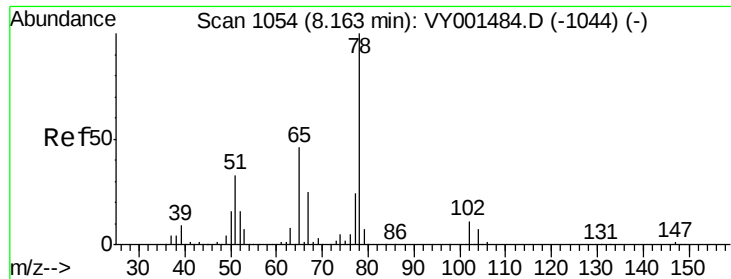
Delta R.T. 0.00 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Tgt Ion:	97	Resp:	67006
Ion Ratio	Lower	Upper	
97	100		
99	62.4	51.8	77.8
61	42.8	32.5	48.7





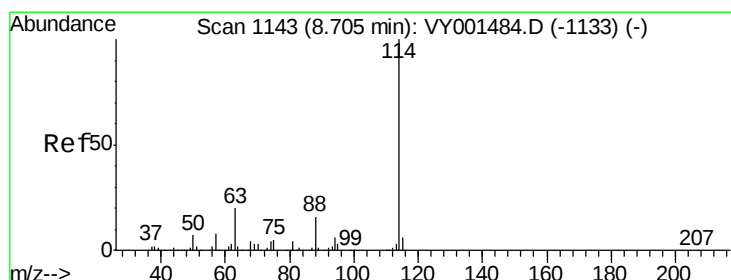
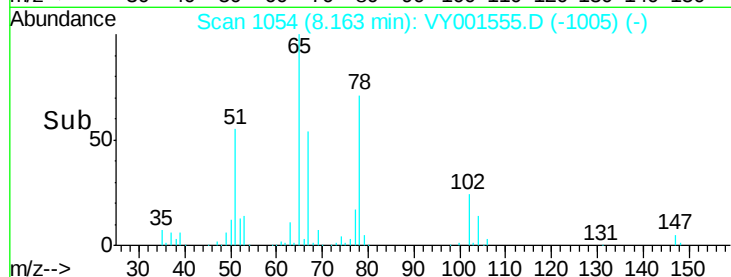
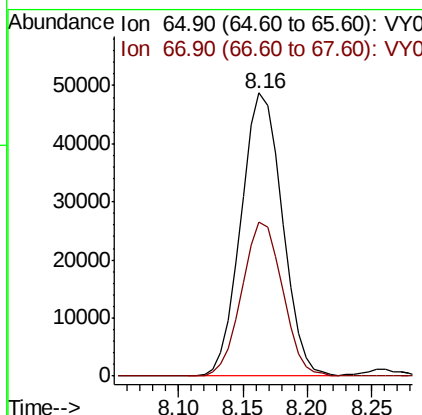
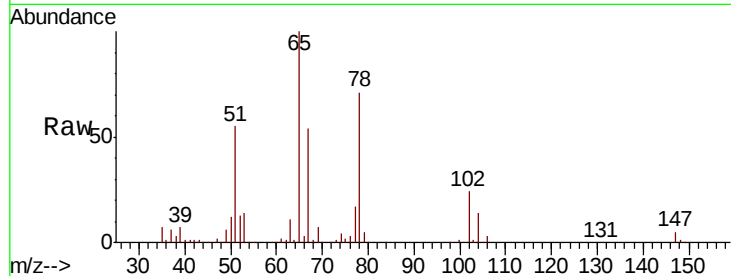
#33
 1,2-Dichloroethane-d4
 Concen: 52.879 ug/l
 RT: 8.16 min Scan# 1054
 Delta R.T. 0.00 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.6	

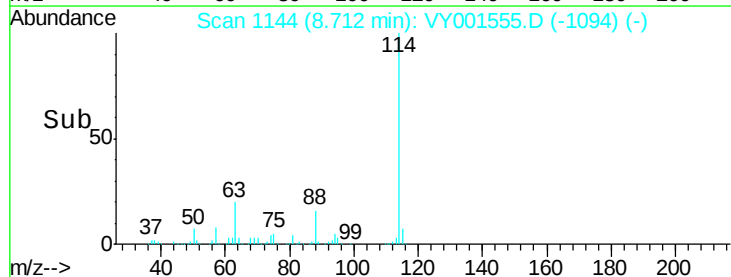
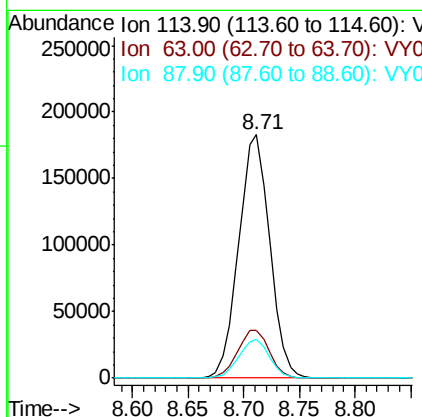
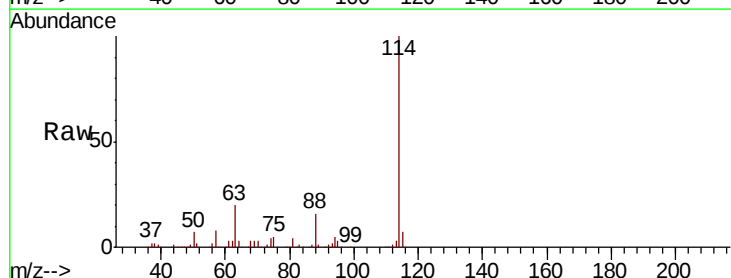
Manual Integrations
 APPROVED

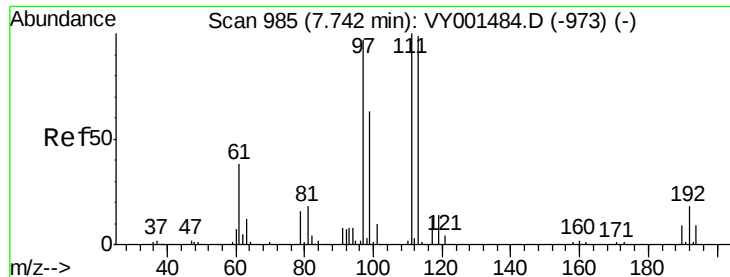
MMDadoda
 2/10/2020 11:27:24 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.8	
88	15.9	0.0	32.6	





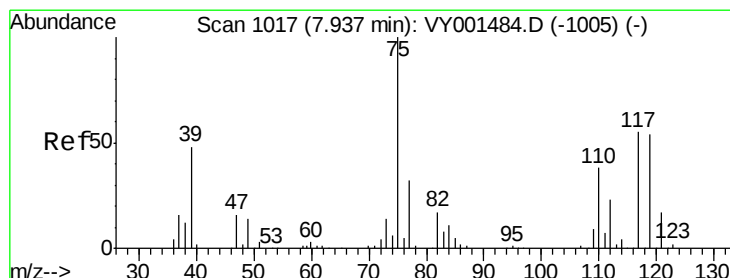
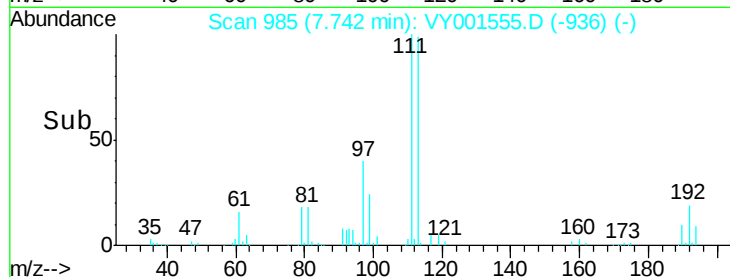
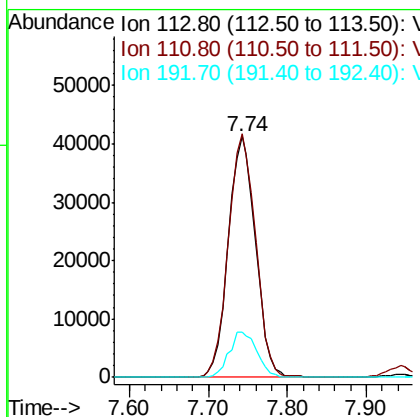
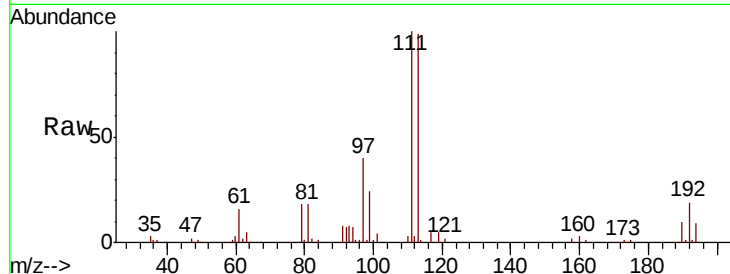
#35
 Dibromofluoromethane
 Concen: 48.436 ug/l
 RT: 7.74 min Scan# 985
 Delta R.T. 0.00 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.9	124.3
192	19.3	14.6	22.0

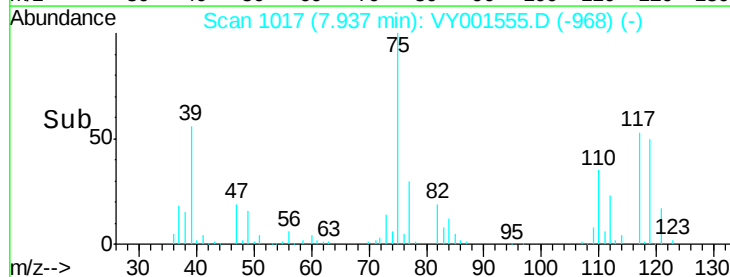
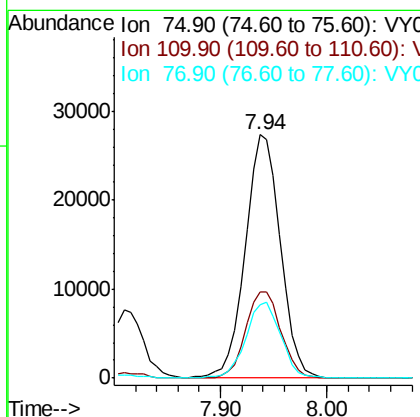
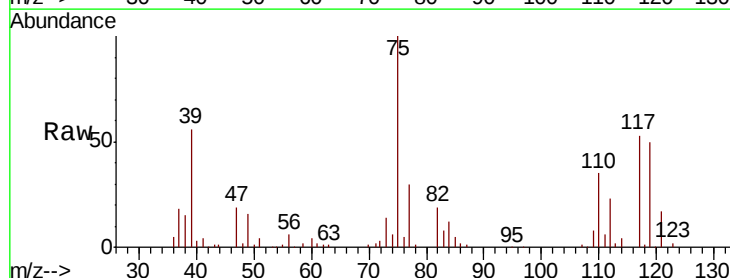
Manual Integrations
 APPROVED

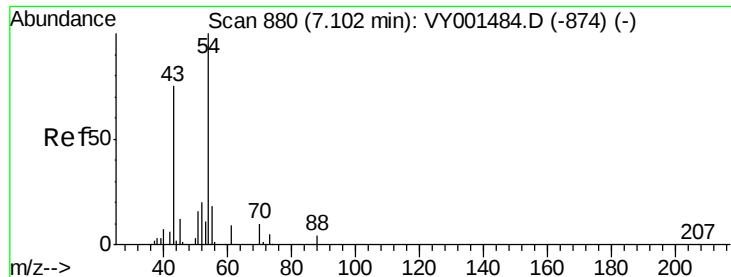
MMDadoda
 2/10/2020 11:27:24 AM



#36
 1,1-Dichloropropene
 Concen: 19.545 ug/l
 RT: 7.94 min Scan# 1017
 Delta R.T. 0.00 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.7	18.2	54.6
77	31.1	25.0	37.4





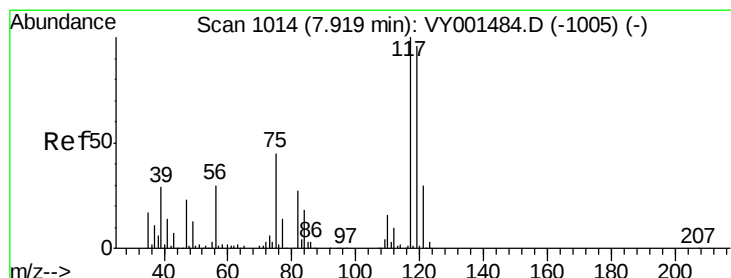
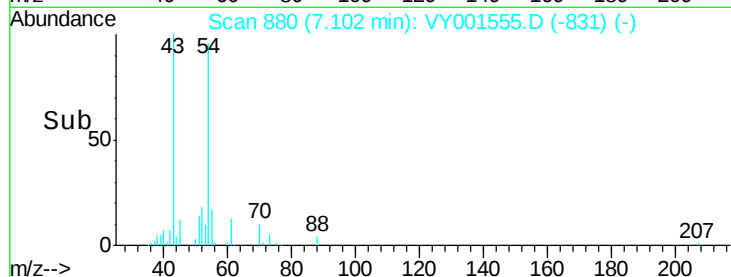
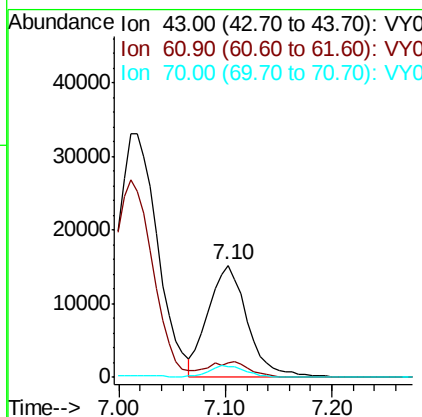
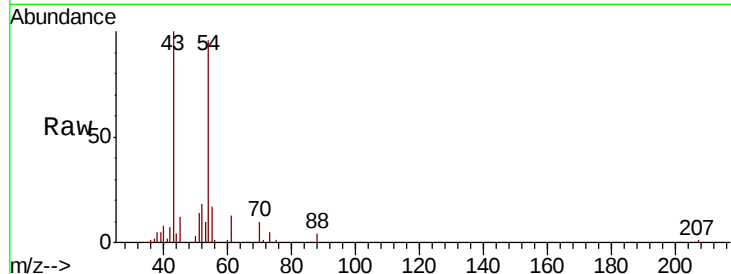
#37
Ethyl Acetate
Concen: 24.498 ug/l
RT: 7.10 min Scan# 880
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.0	12.0	18.0
70	10.2	10.2	15.4

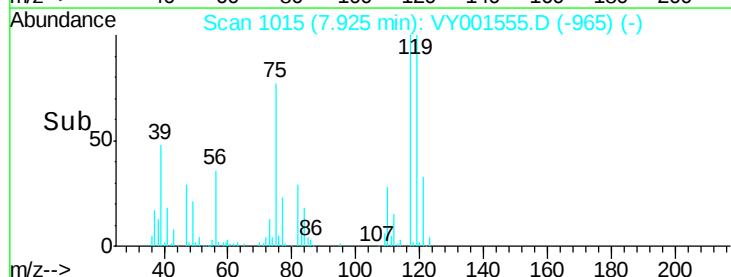
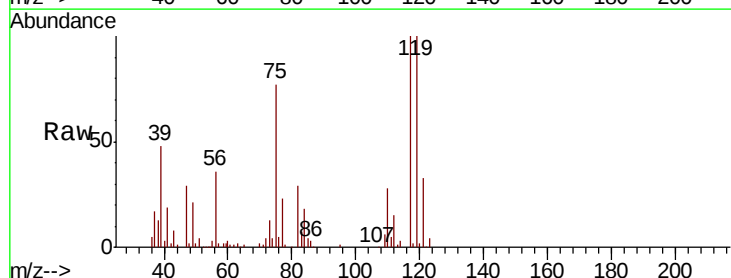
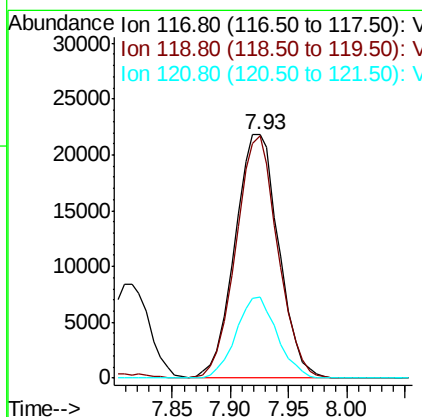
Manual Integrations
APPROVED

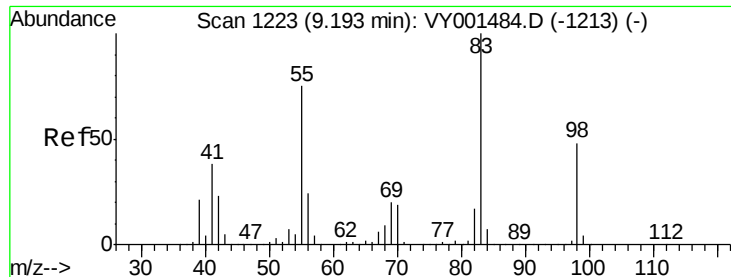
MMDadoda
2/10/2020 11:27:24 AM



#38
Carbon Tetrachloride
Concen: 18.145 ug/l
RT: 7.93 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.4	114.6
121	33.2	24.2	36.4





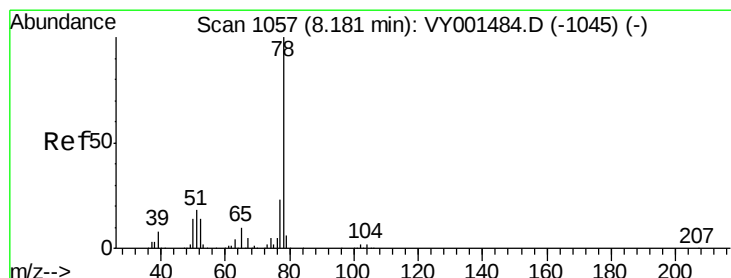
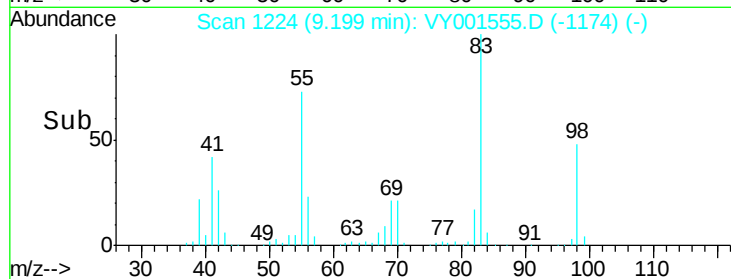
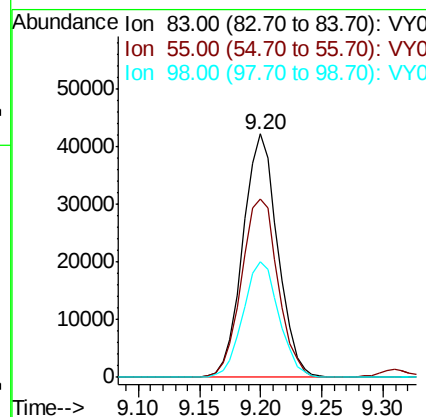
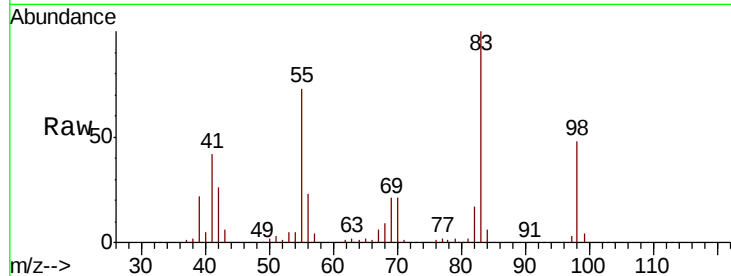
#39
Methvlcvclohexane
Concen: 19.511 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	59.8	89.6
98	47.7	38.6	57.8

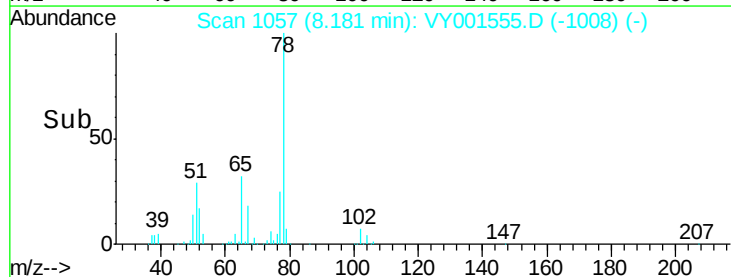
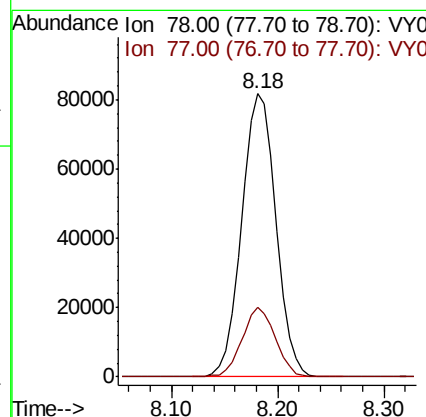
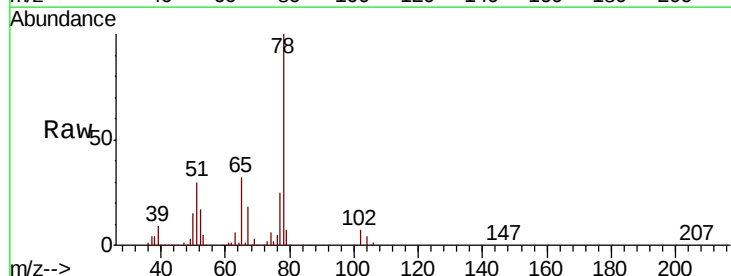
Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#40
Benzene
Concen: 19.956 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.5	27.7





#41

Methacrylonitrile

Concen: 31.667 ug/l m

RT: 7.35 min Scan# 920

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 41 Resp: 23044

Ion Ratio Lower Upper

41 100

39 104.7 116.8 175.2#

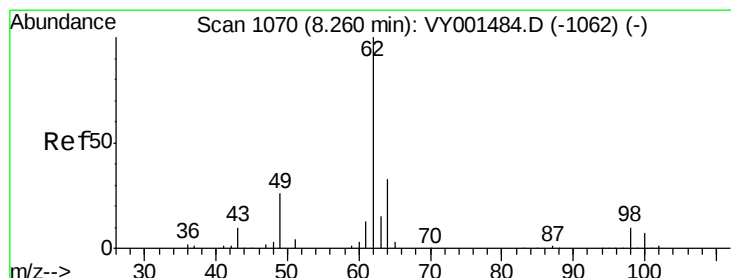
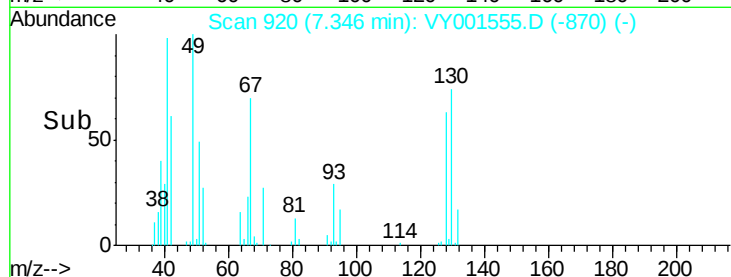
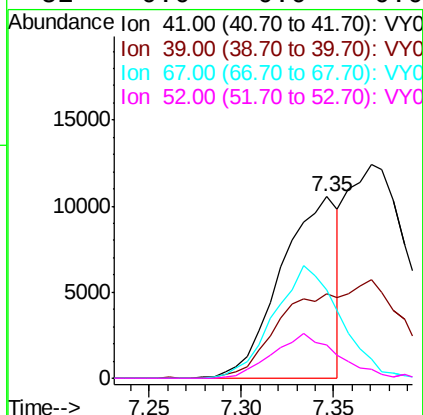
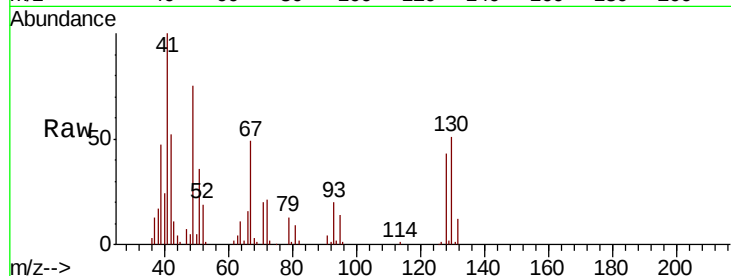
67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
APPROVED

MMDadoda

2/10/2020 11:27:24 AM



#42

1,2-Dichloroethane

Concen: 20.101 ug/l

RT: 8.26 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VY001555.D

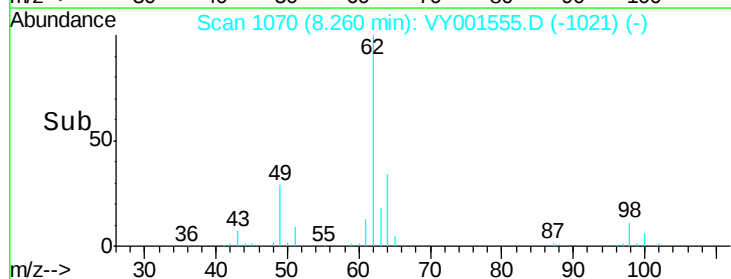
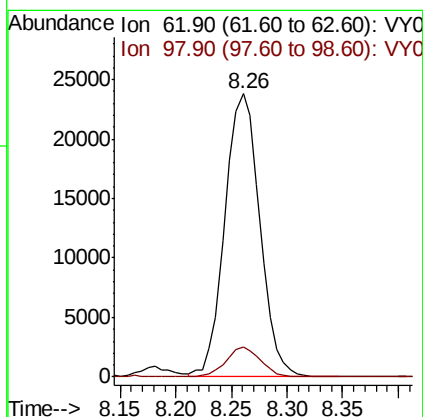
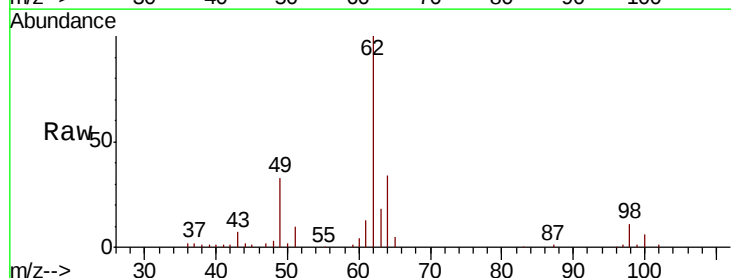
Acq: 07 Feb 2020 15:40

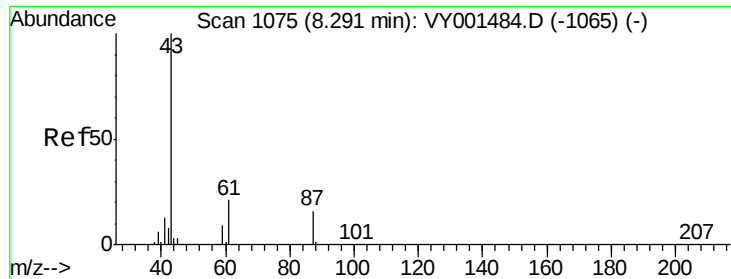
Tgt Ion: 62 Resp: 51807

Ion Ratio Lower Upper

62 100

98 10.4 0.0 21.0





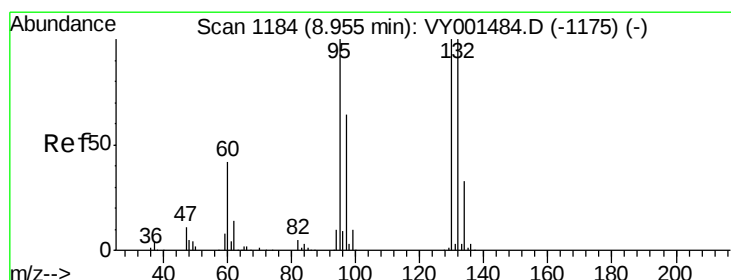
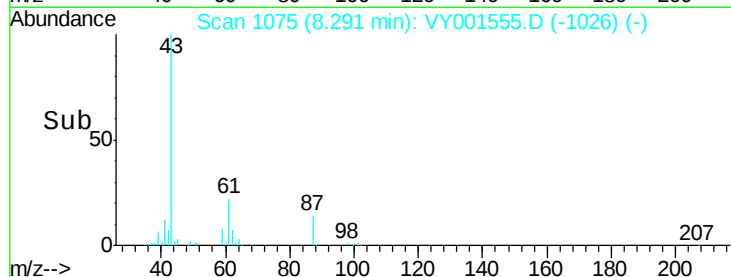
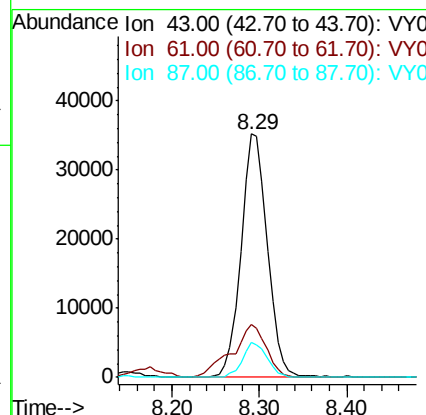
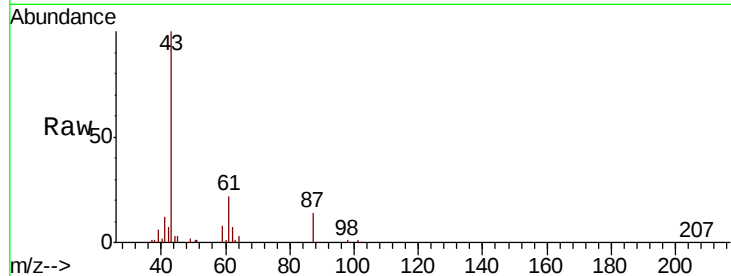
#43
Isopropyl Acetate
Concen: 23.804 ug/l
RT: 8.29 min Scan# 1075
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	25.1	37.7
87	13.4	12.6	19.0

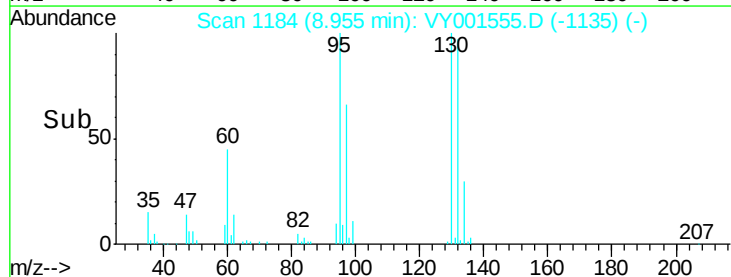
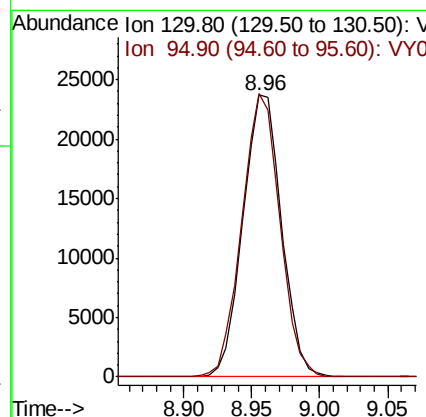
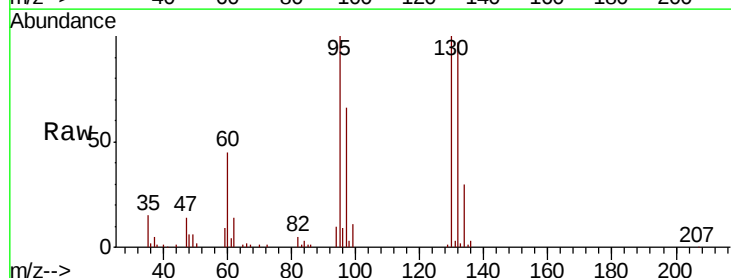
Manual Integrations
APPROVED

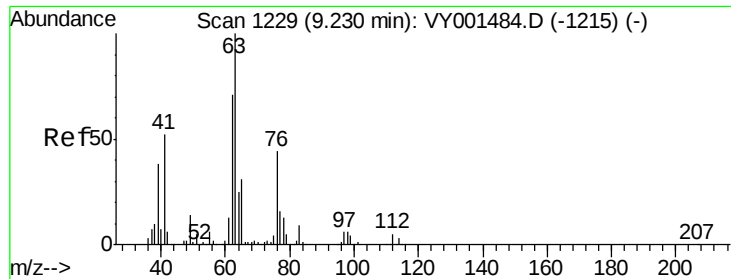
MMDadoda
2/10/2020 11:27:24 AM



#44
Trichloroethene
Concen: 18.836 ug/l
RT: 8.96 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.253 ug/l

RT: 9.24 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion: 63 Resp: 47478

Ion Ratio Lower Upper

63 100

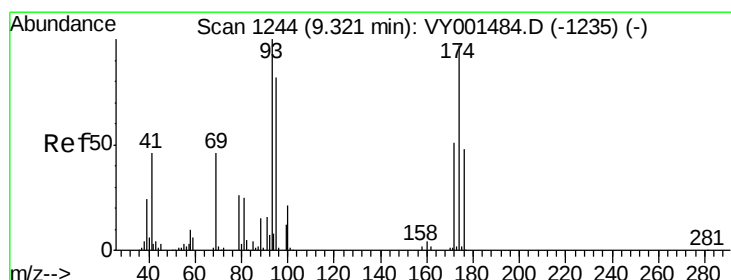
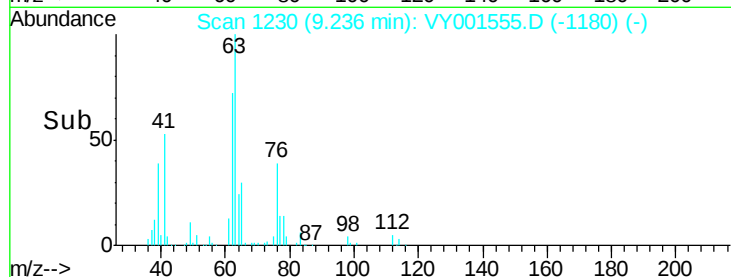
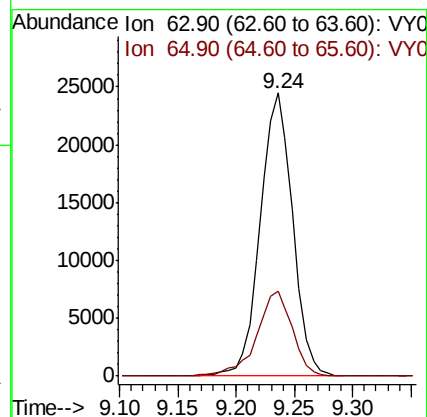
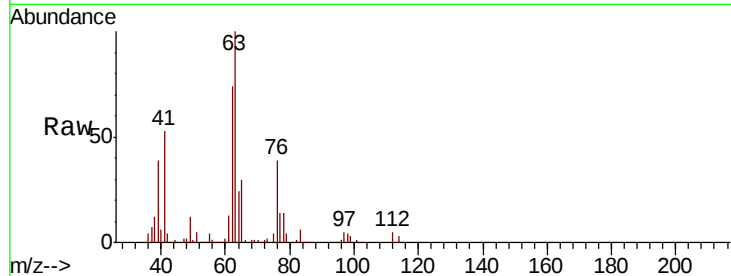
65 30.2 25.0 37.4

Manual Integrations

APPROVED

MMDadoda

2/10/2020 11:27:24 AM



#46

Dibromomethane

Concen: 19.804 ug/l

RT: 9.32 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

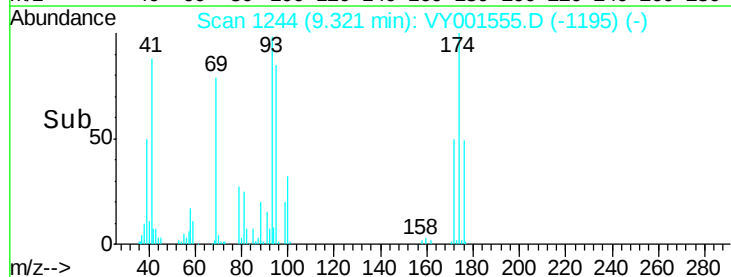
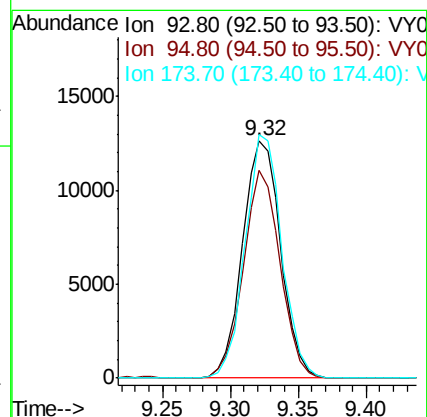
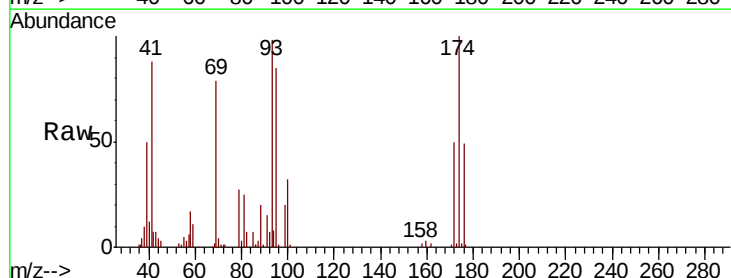
Tgt Ion: 93 Resp: 24842

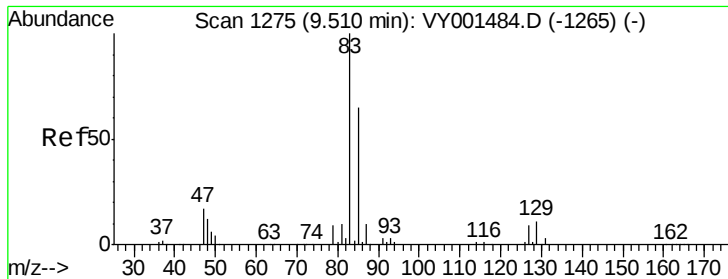
Ion Ratio Lower Upper

93 100

95 83.8 66.6 99.8

174 98.3 75.4 113.2





#47

Bromodichloromethane

Concen: 19.439 ug/l

RT: 9.52 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

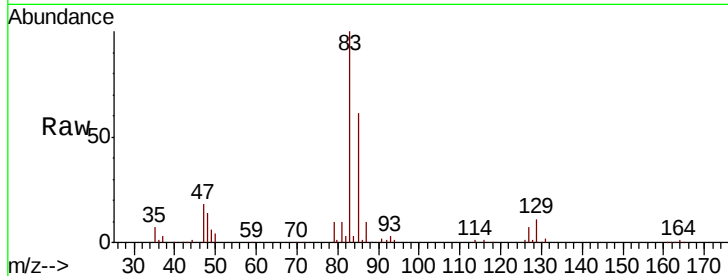
ClientSampleId :

VY0207SBS01

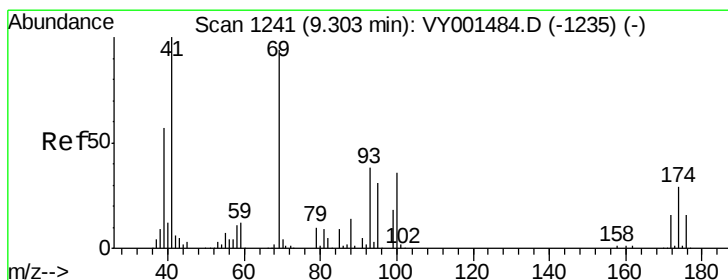
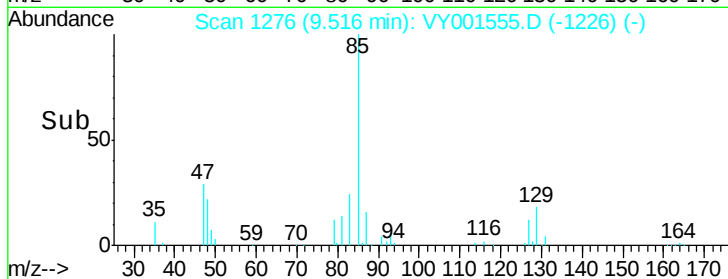
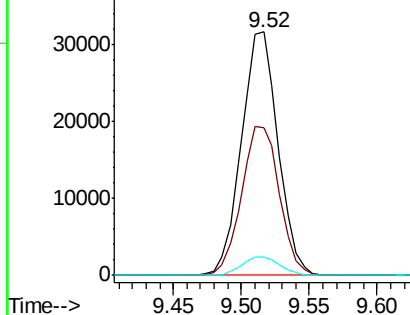
Tot Ion:	83	Resp:	59413
Ion Ratio	Lower	Upper	
83	100		
85	60.7	51.9	77.9
127	7.5	6.9	10.3

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.956 ug/l

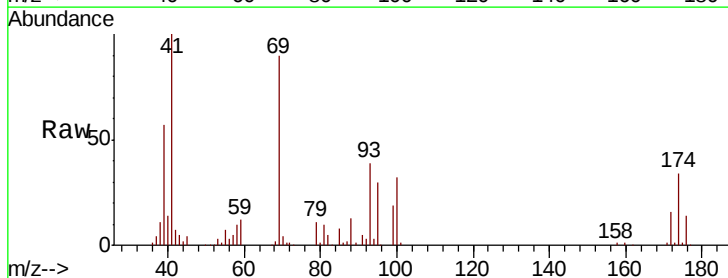
RT: 9.31 min Scan# 1242

Delta R.T. 0.01 min

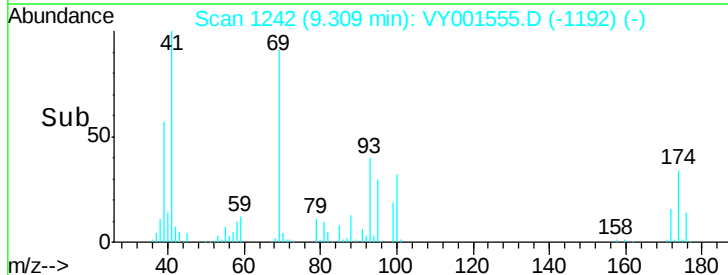
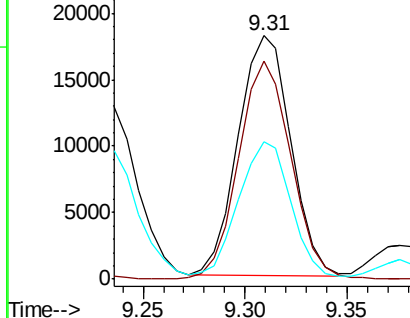
Lab File: VY001555.D

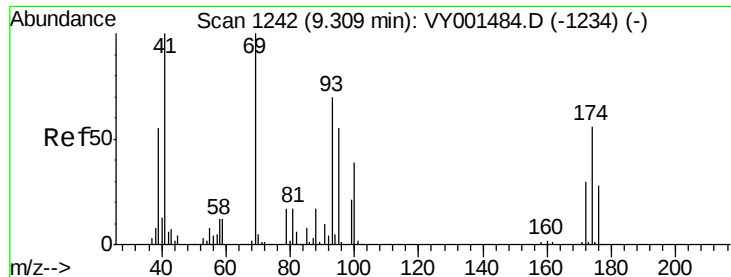
Acq: 07 Feb 2020 15:40

Tgt Ion:	41	Resp:	32390
Ion Ratio	Lower	Upper	
41	100		
69	90.5	76.6	114.8
39	55.1	45.4	68.0



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





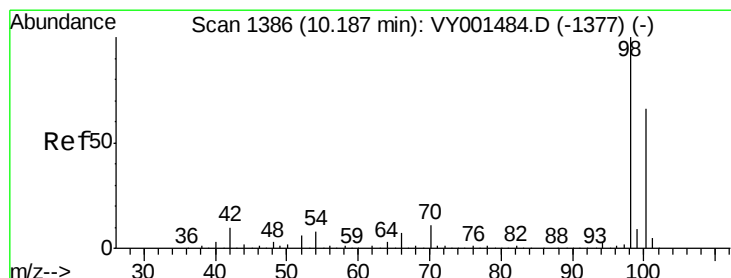
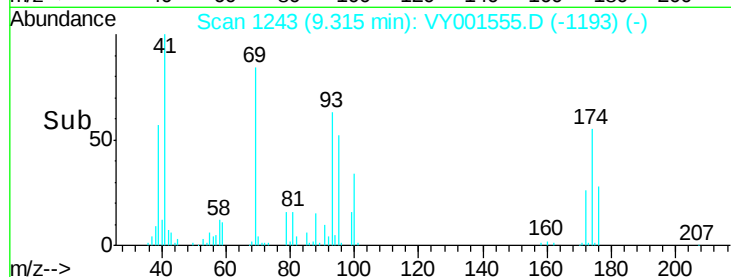
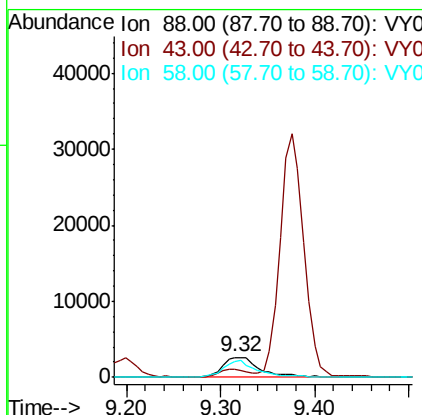
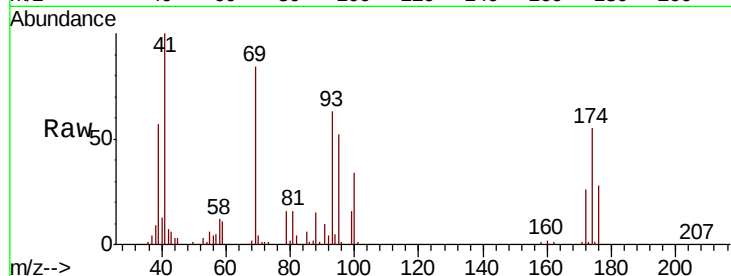
#49
1,4-Dioxane
Concen: 443.310 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	24.8	37.2
58	76.3	59.3	88.9

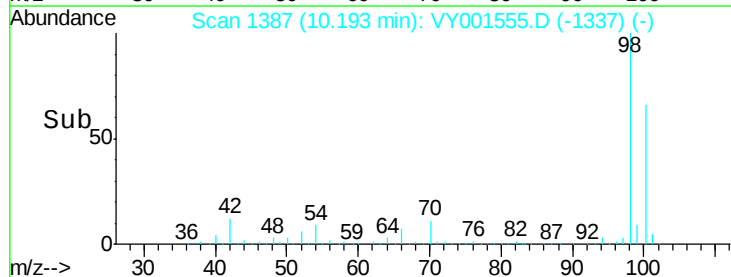
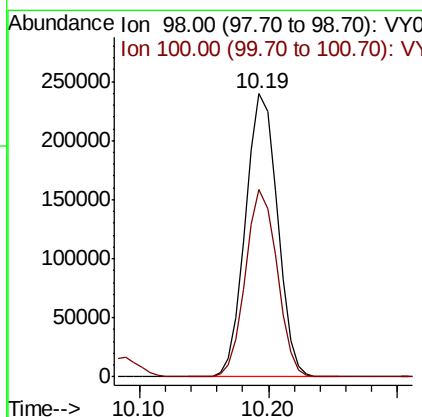
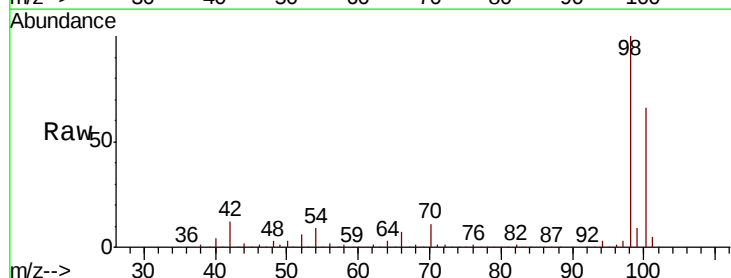
Manual Integrations
APPROVED

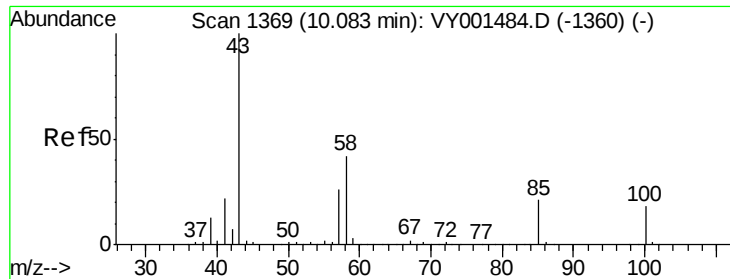
MMDadoda
2/10/2020 11:27:24 AM



#50
Toluene-d8
Concen: 53.228 ug/l
RT: 10.19 min Scan# 1387
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	53.0	79.6





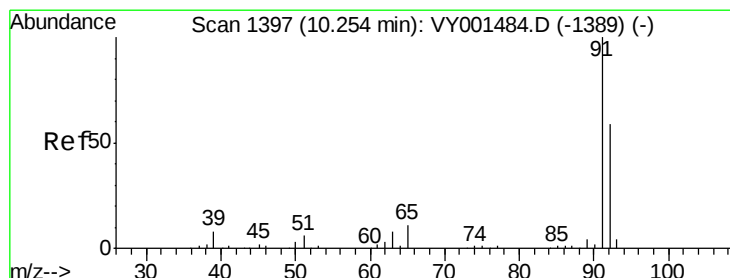
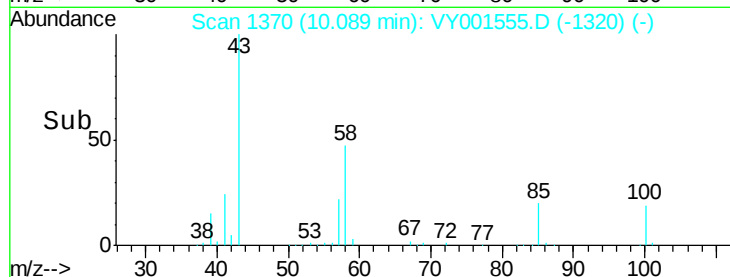
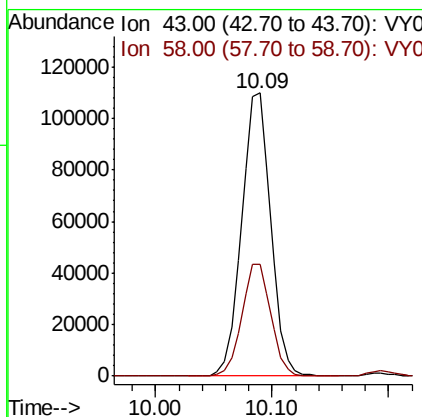
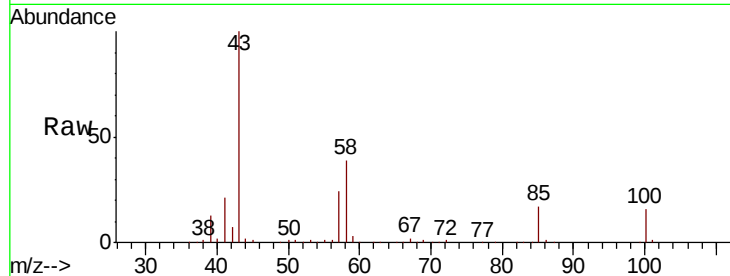
#51
4-Methyl-2-Pentanone
Concen: 125.028 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	43	58	Resp	191412
Ion Ratio	100	39.6	Lower	Upper
			33.9	50.9

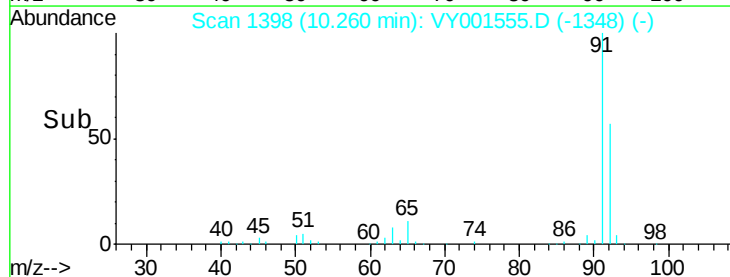
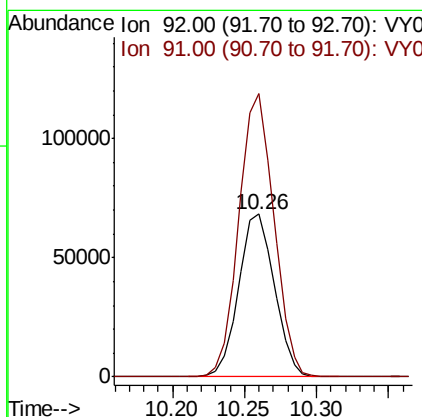
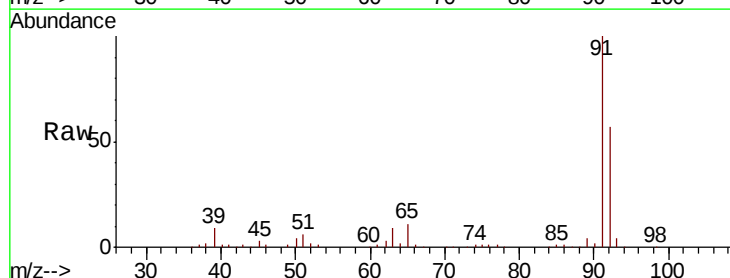
Manual Integrations
APPROVED

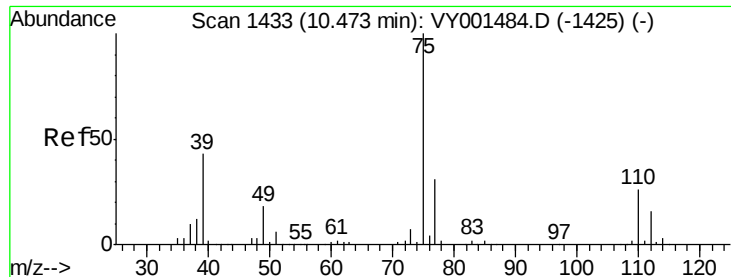
MMDadoda
2/10/2020 11:27:24 AM



#52
Toluene
Concen: 20.000 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	92	91	Resp	117396
Ion Ratio	100	171.0	Lower	Upper
			136.6	204.8





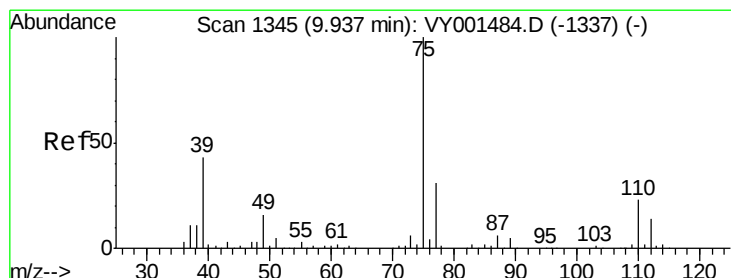
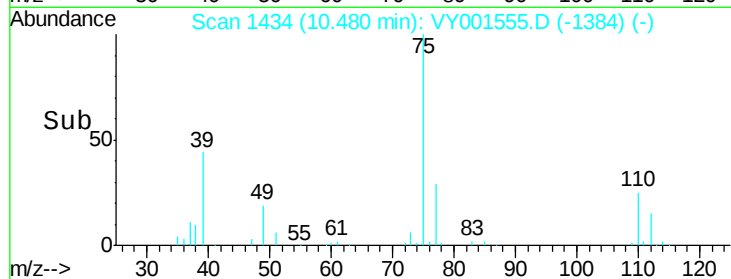
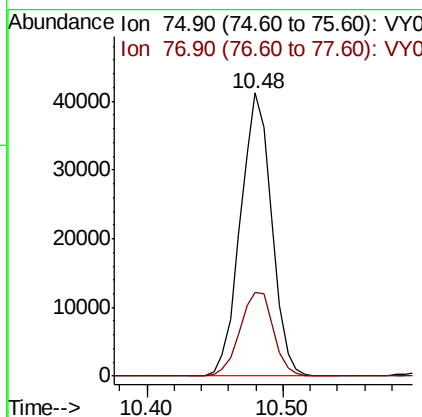
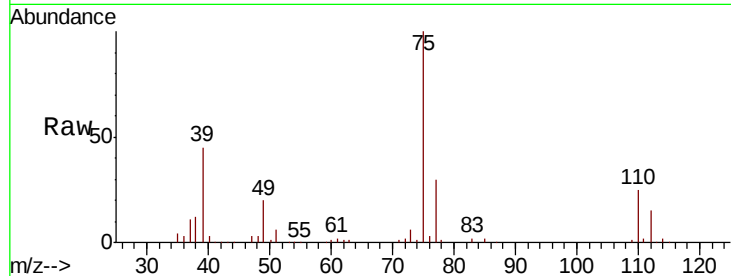
#53
t-1,3-Dichloropropene
Concen: 19.816 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 75 Resp: 65967
Ion Ratio Lower Upper
75 100
77 29.5 24.9 37.3

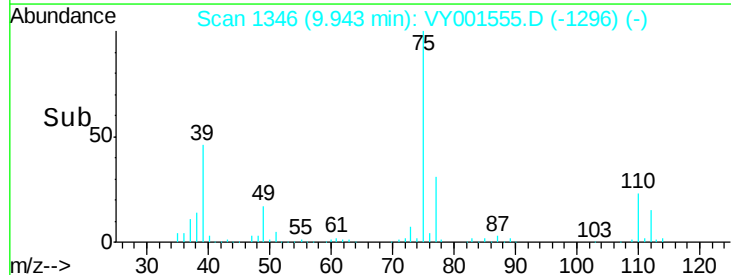
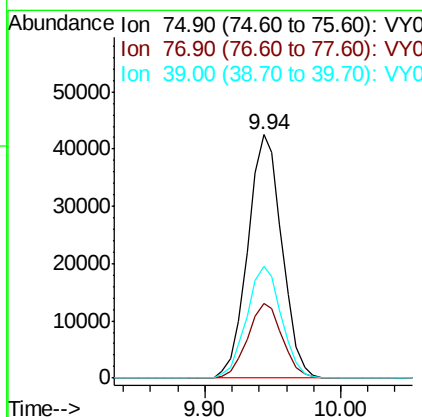
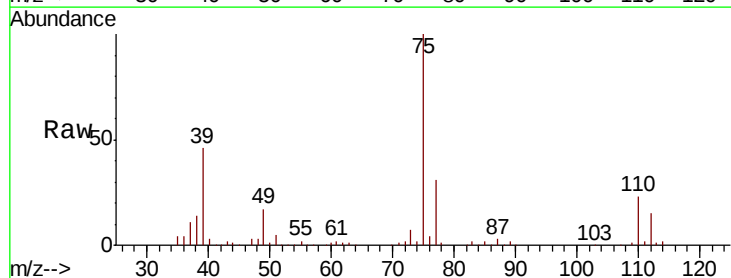
Manual Integrations
APPROVED

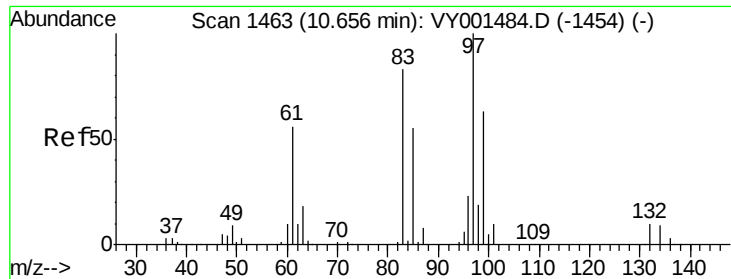
MMDadoda
2/10/2020 11:27:24 AM



#54
cis-1,3-Dichloropropene
Concen: 19.495 ug/l
RT: 9.94 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 75 Resp: 74507
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1
39 46.0 34.0 51.0





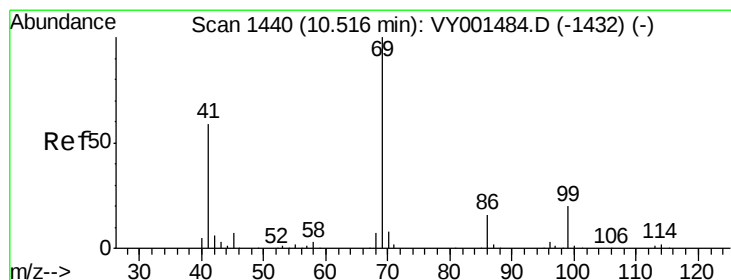
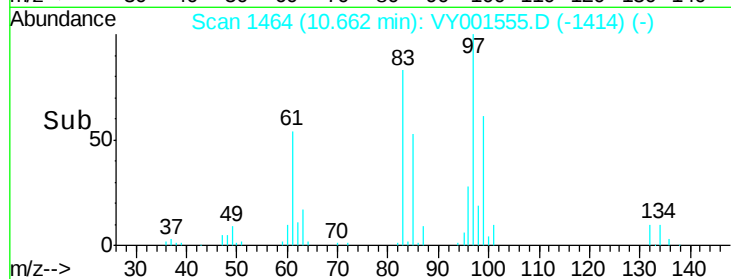
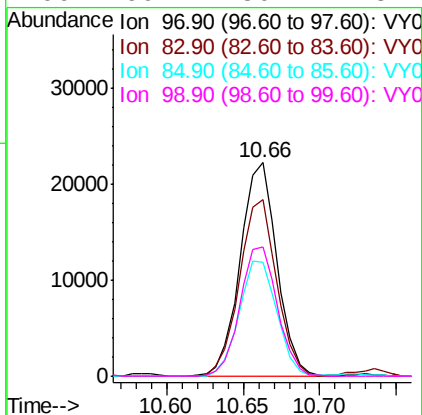
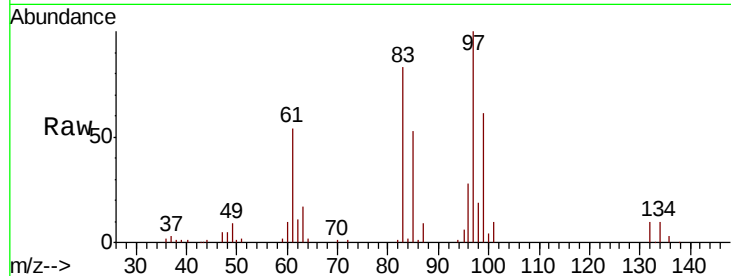
#55
 1,1,2-Trichloroethane
 Concen: 20.658 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion:	97	Resp:	37179
Ion	Ratio	Lower	Upper
97	100		
83	82.6	66.2	99.2
85	53.2	43.8	65.6
99	60.7	50.1	75.1

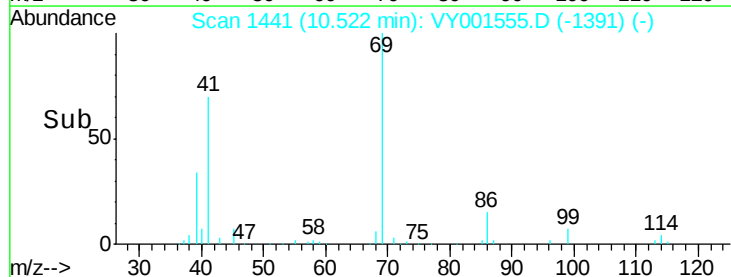
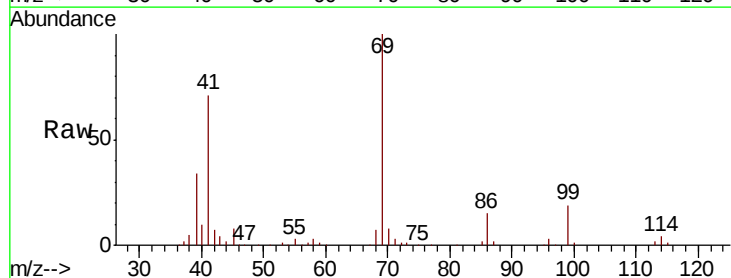
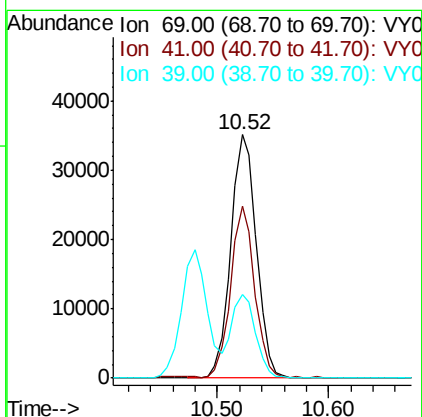
Manual Integrations
 APPROVED

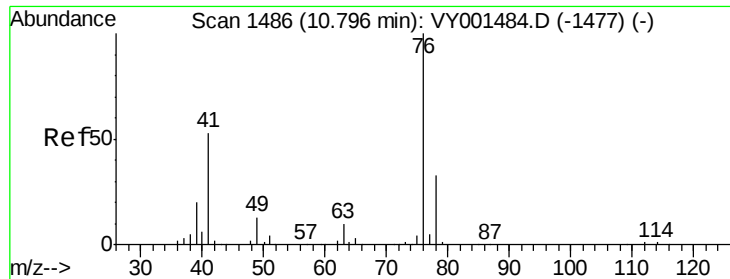
MMDadoda
 2/10/2020 11:27:24 AM



#56
 Ethyl methacrylate
 Concen: 21.798 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion:	69	Resp:	55800
Ion	Ratio	Lower	Upper
69	100		
41	65.8	47.8	71.8
39	32.2	24.4	36.6





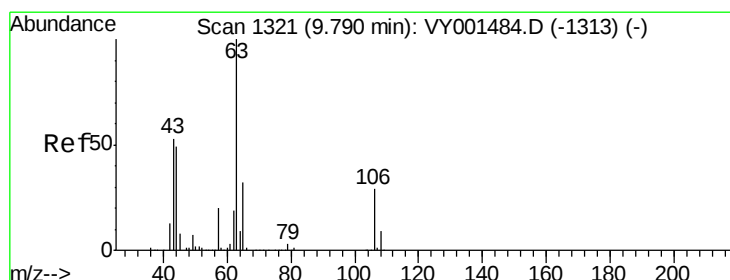
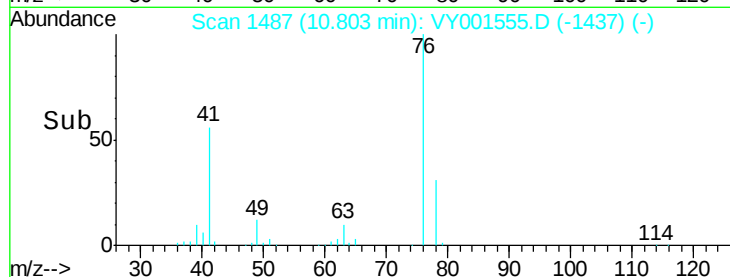
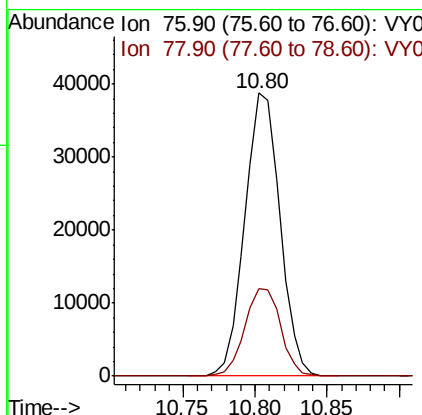
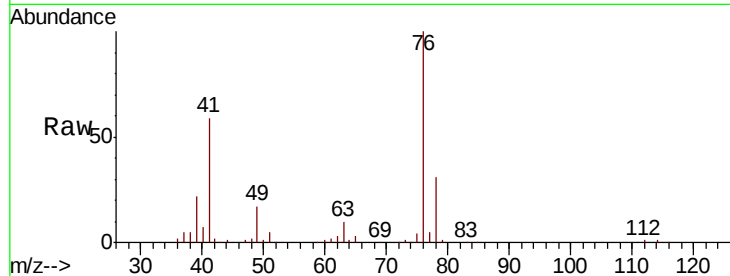
#57
 1,3-Dichloropropane
 Concen: 20.649 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBSD01

Tot Ion: 76 Resp: 65509
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

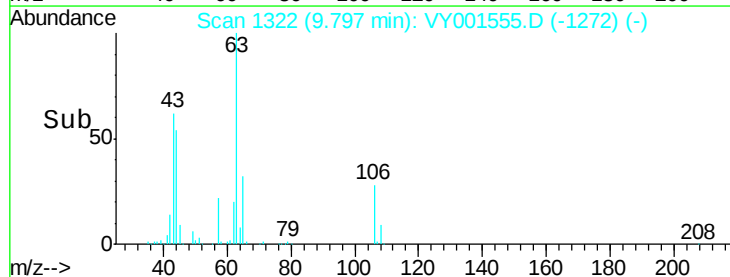
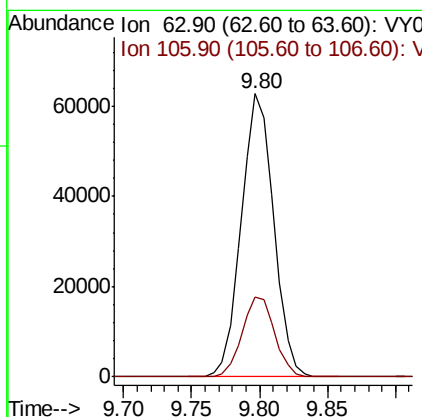
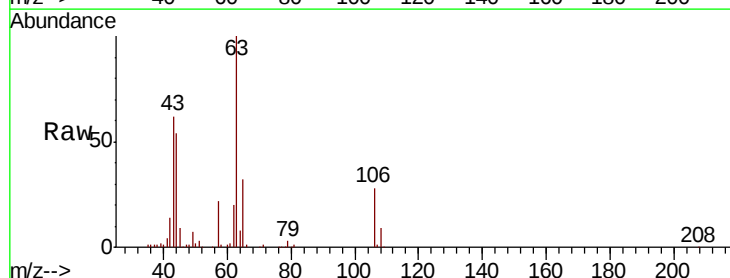
Manual Integrations
 APPROVED

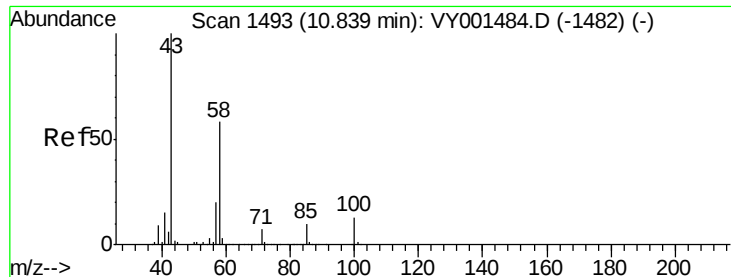
MMDadoda
 2/10/2020 11:27:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 111.127 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion: 63 Resp: 104649
 Ion Ratio Lower Upper
 63 100
 106 28.3 24.0 36.0





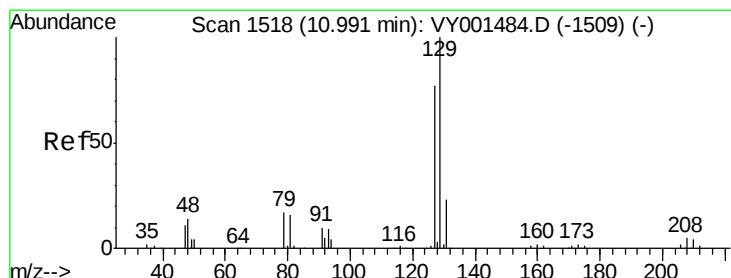
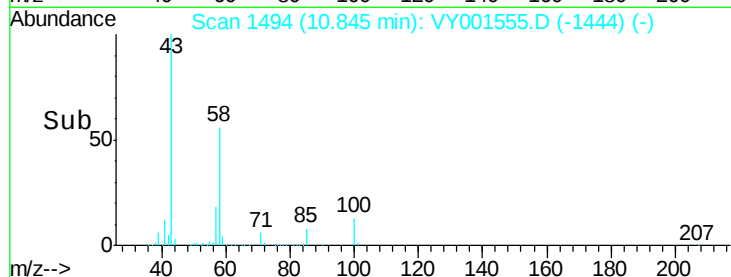
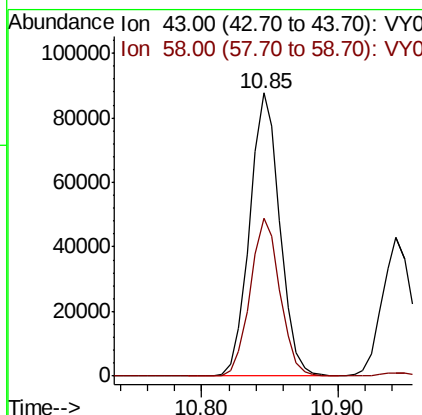
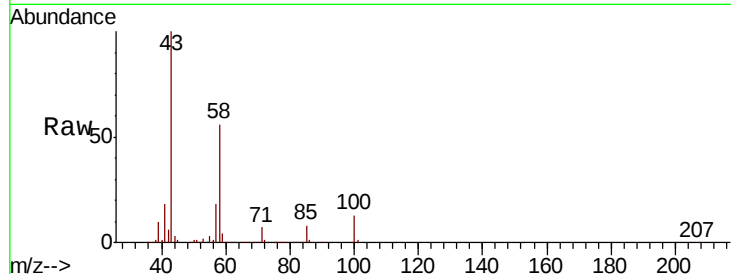
#59
2-Hexanone
Concen: 122.674 ug/l
RT: 10.85 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion: 43 Resp: 136553
Ion Ratio Lower Upper
43 100
58 54.8 29.0 87.0

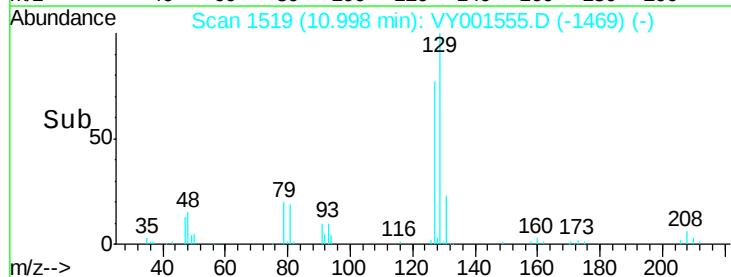
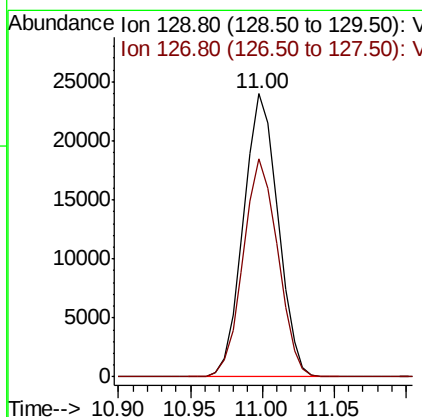
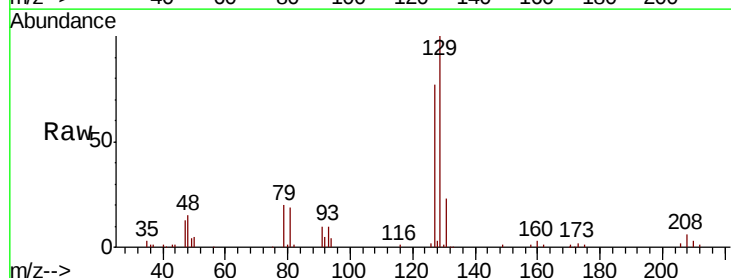
Manual Integrations
APPROVED

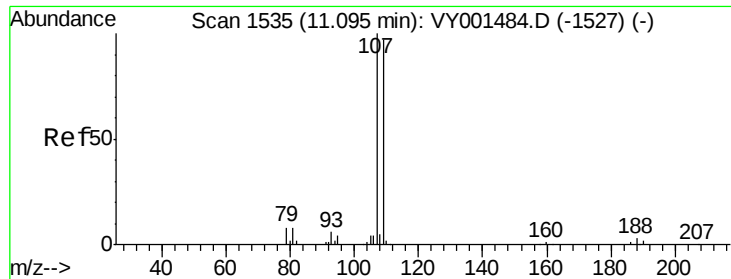
MMDadoda
2/10/2020 11:27:24 AM



#60
Dibromochloromethane
Concen: 18.810 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 129 Resp: 39905
Ion Ratio Lower Upper
129 100
127 77.3 38.9 116.6





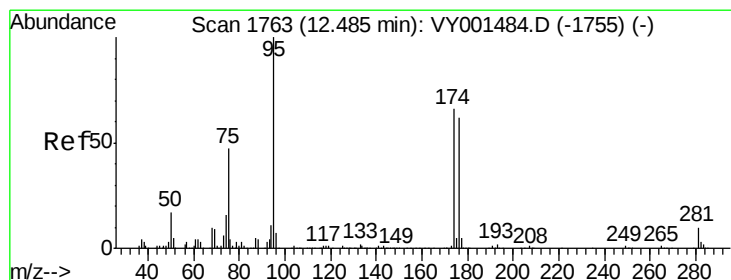
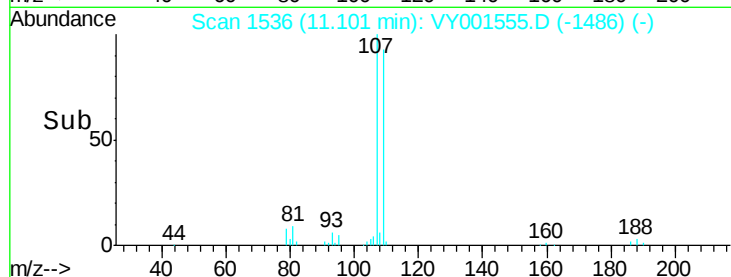
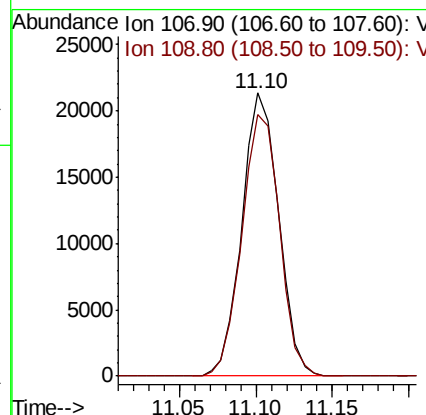
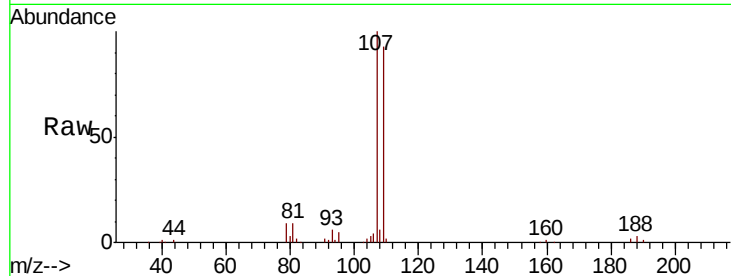
#61
 1,2-Dibromoethane
 Concen: 20.102 ug/l
 RT: 11.10 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	76.2	114.2

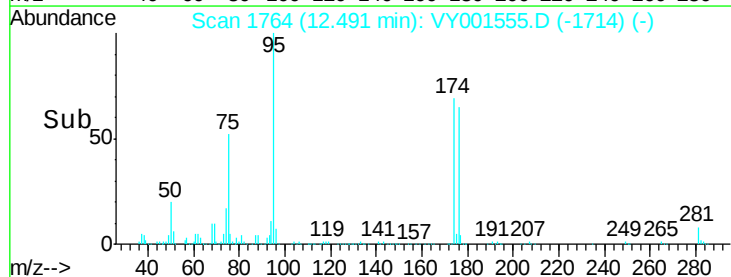
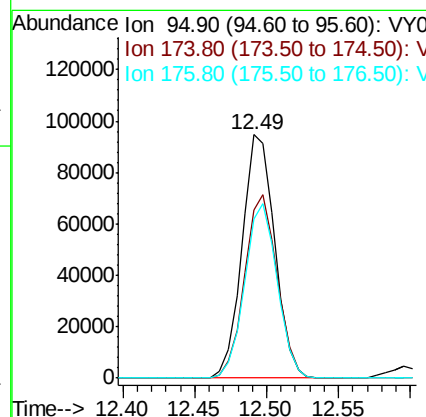
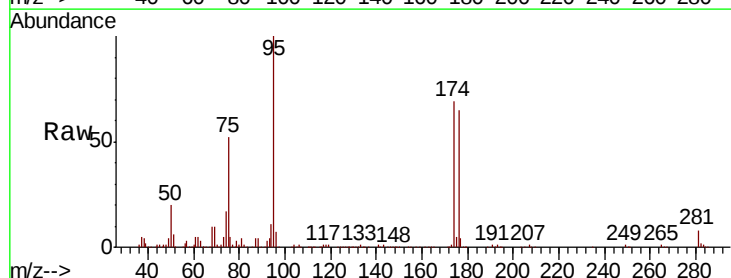
Manual Integrations
 APPROVED

MMDadoda
 2/10/2020 11:27:24 AM



#62
 4-Bromofluorobenzene
 Concen: 48.722 ug/l
 RT: 12.49 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	141.4
176	71.4	0.0	135.4





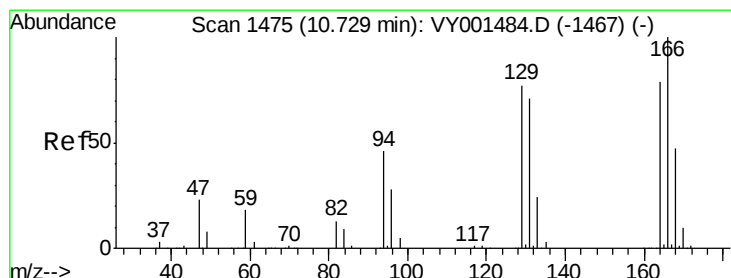
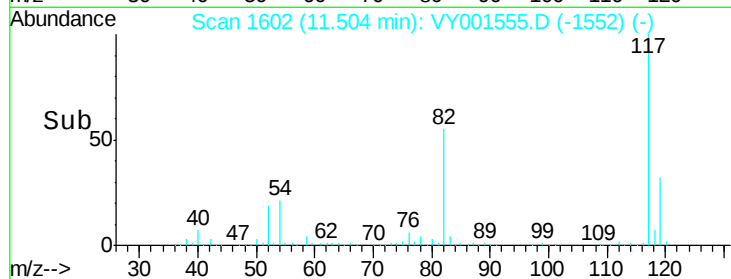
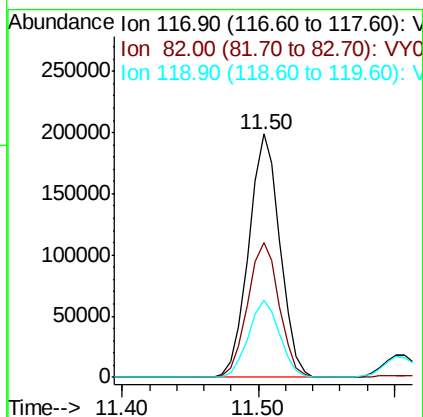
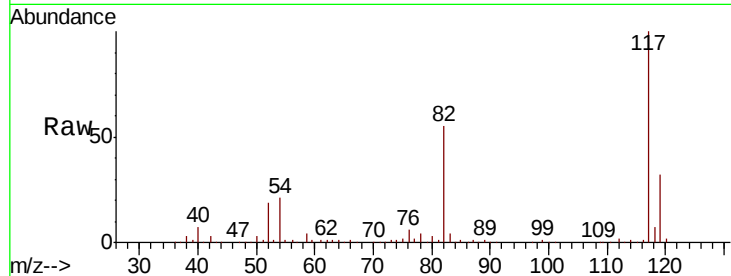
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	46.1	69.1
119	31.7	26.1	39.1

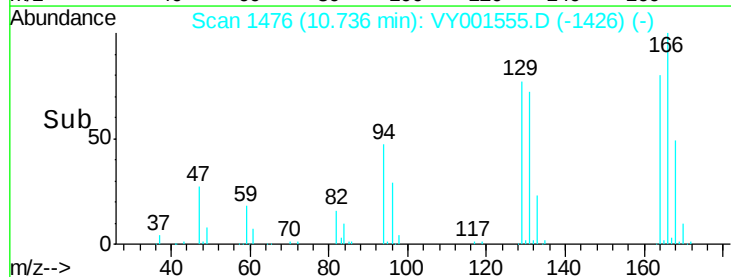
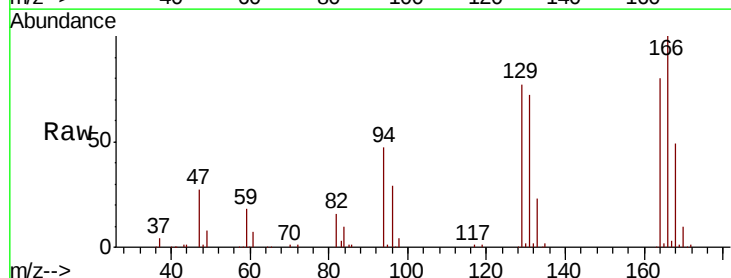
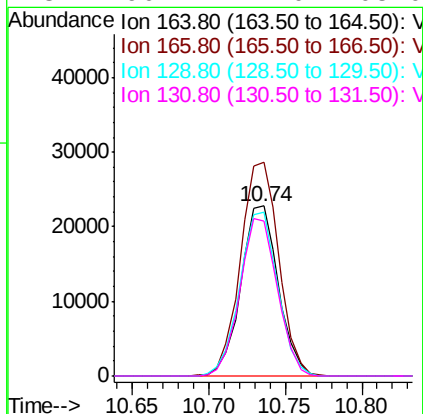
Manual Integrations
APPROVED

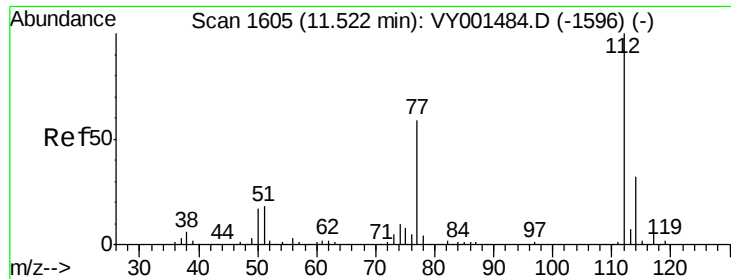
MMDadoda
2/10/2020 11:27:24 AM



#64
Tetrachloroethene
Concen: 18.510 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.8	151.2
129	96.4	77.8	116.6
131	90.7	72.0	108.0





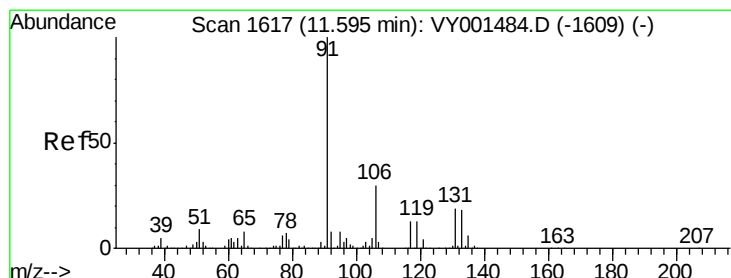
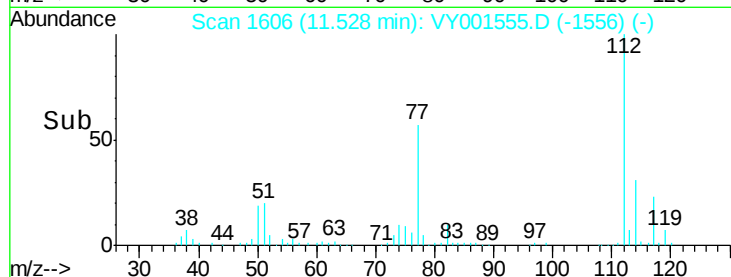
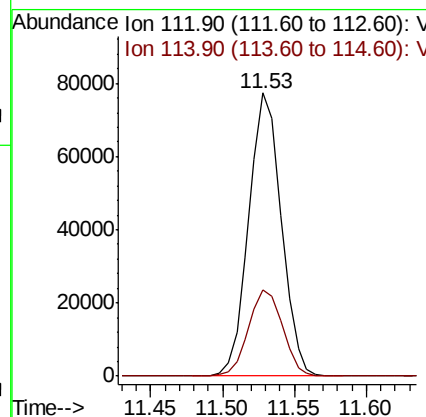
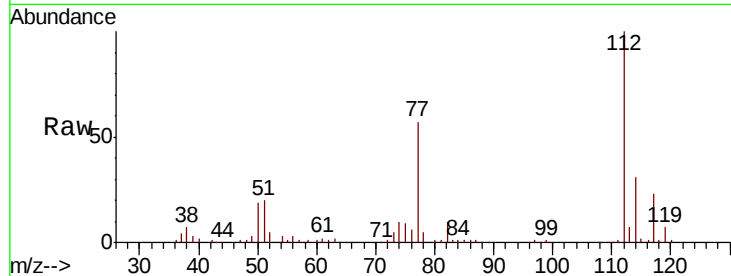
#65
Chlorobenzene
Concen: 19.258 ug/l
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion:112 Resp: 120925
Ion Ratio Lower Upper
112 100
114 30.6 25.4 38.2

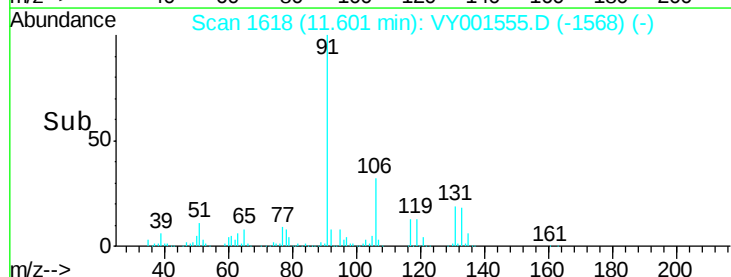
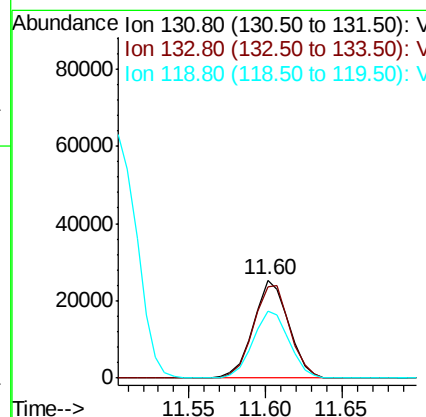
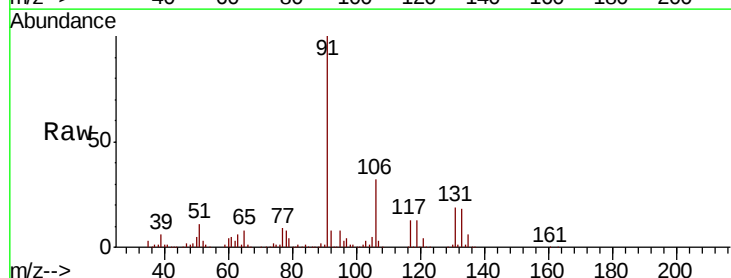
Manual Integrations
APPROVED

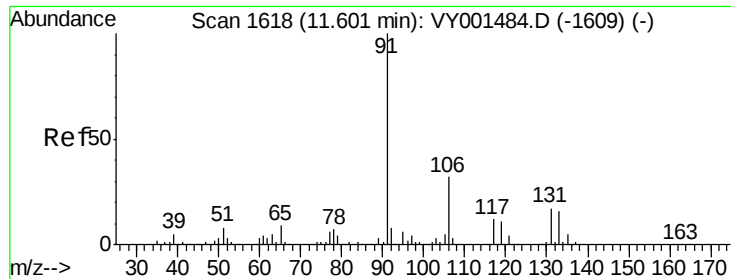
MMDadoda
2/10/2020 11:27:24 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.446 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion:131 Resp: 40537
Ion Ratio Lower Upper
131 100
133 97.8 47.9 143.8
119 70.1 33.7 101.0





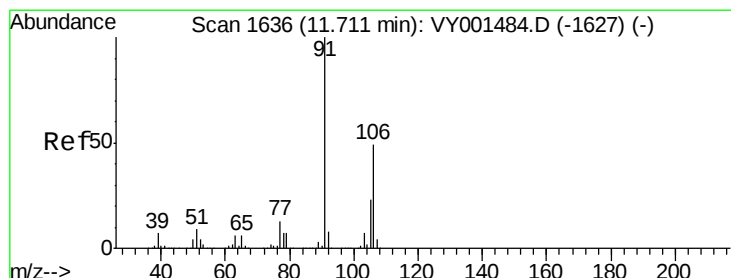
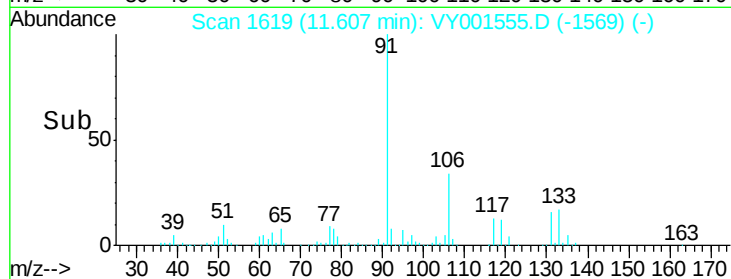
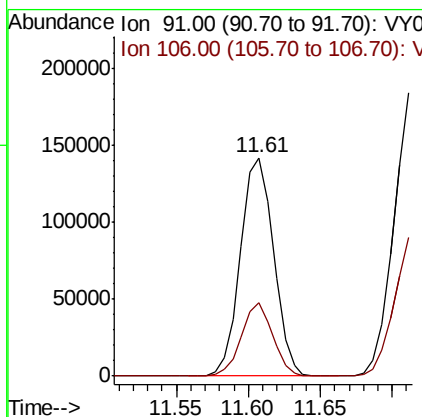
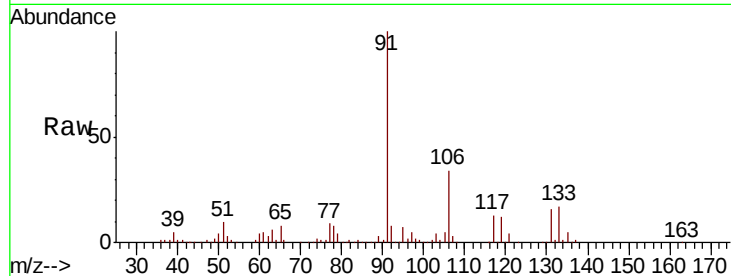
#67
Ethyl Benzene
Concen: 19.515 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion: 91 Resp: 226562
Ion Ratio Lower Upper
91 100
106 33.5 25.3 37.9

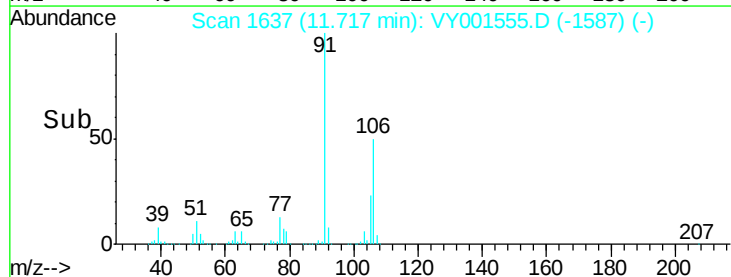
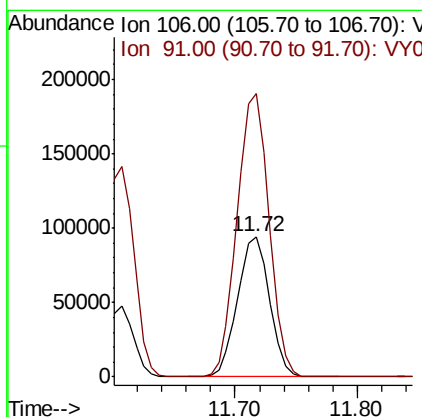
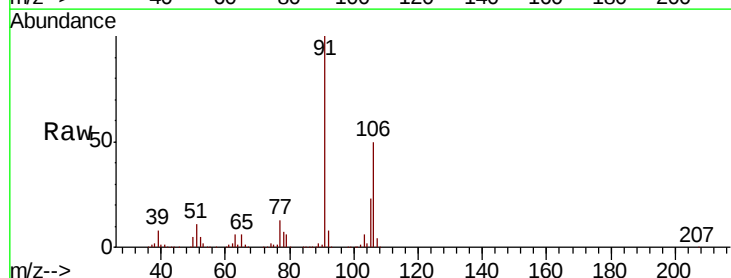
Manual Integrations
APPROVED

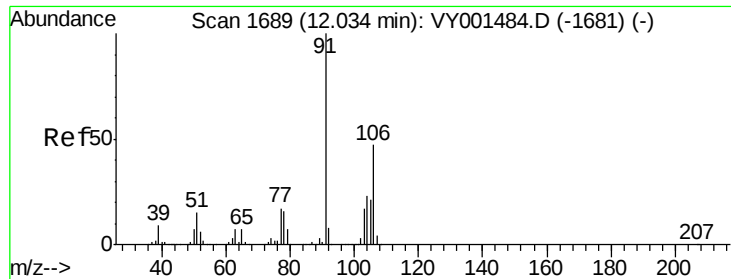
MMDadoda
2/10/2020 11:27:24 AM



#68
m/p-Xylenes
Concen: 39.247 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion: 106 Resp: 171056
Ion Ratio Lower Upper
106 100
91 202.0 163.6 245.4





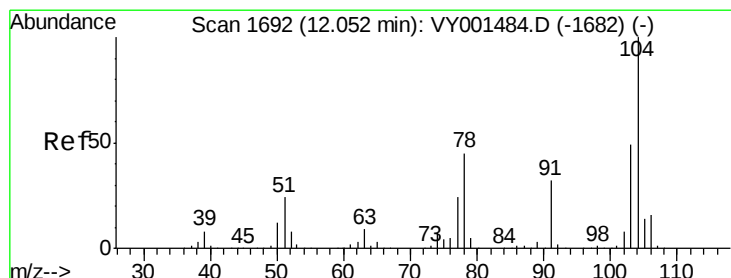
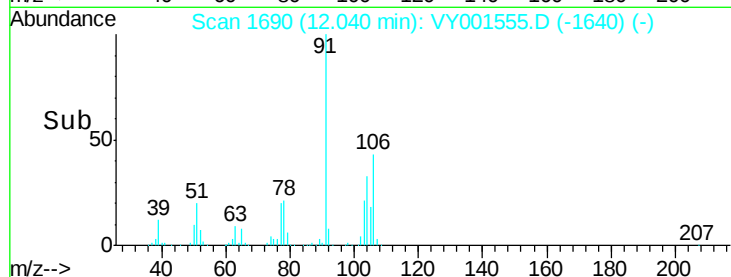
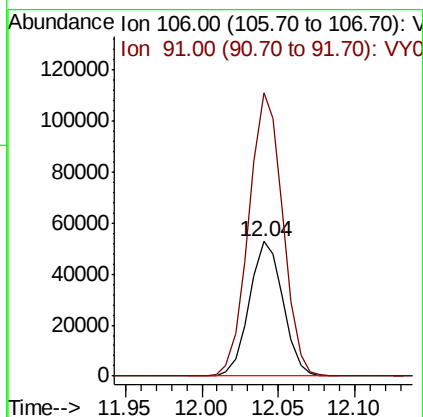
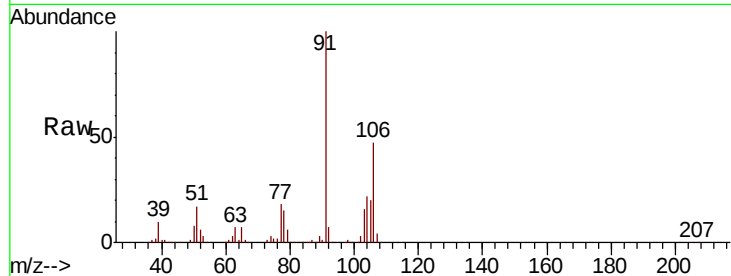
#69
o-Xylene
Concen: 19.605 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion:106 Resp: 80566
Ion Ratio Lower Upper
106 100
91 213.1 106.0 318.0

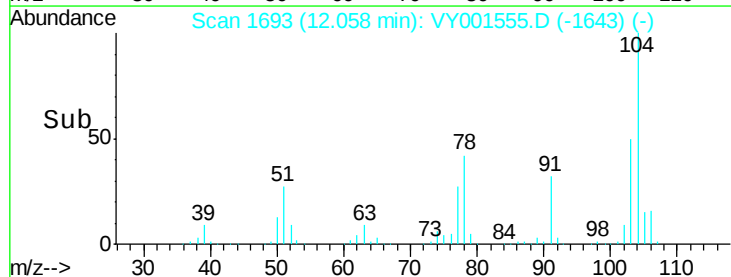
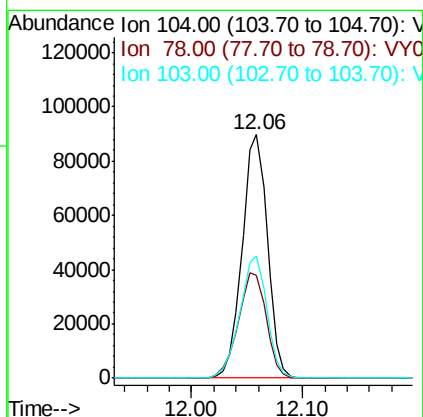
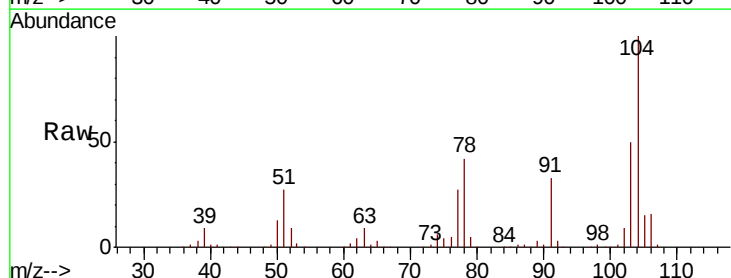
Manual Integrations
APPROVED

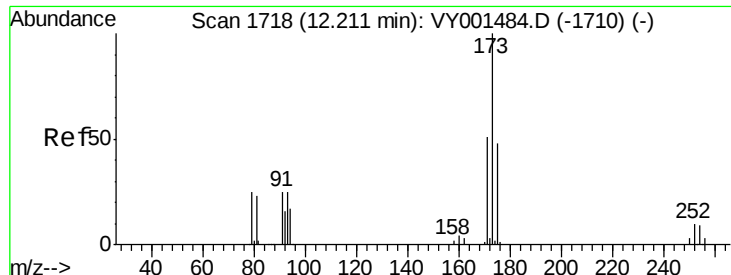
MMDadoda
2/10/2020 11:27:24 AM



#70
Styrene
Concen: 19.915 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion:104 Resp: 141524
Ion Ratio Lower Upper
104 100
78 47.7 40.4 60.6
103 53.4 42.8 64.2





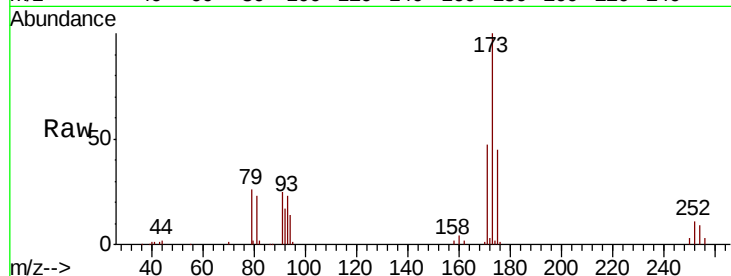
#71
Bromoform
Concen: 19.795 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.0	72.0
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM

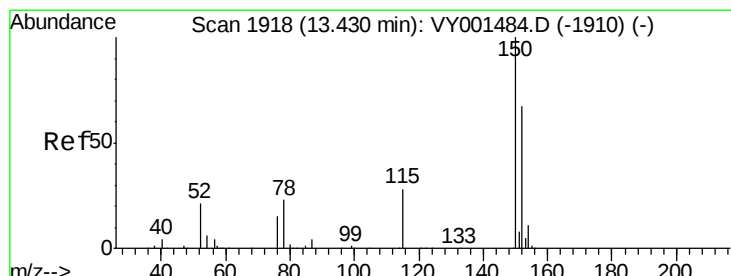
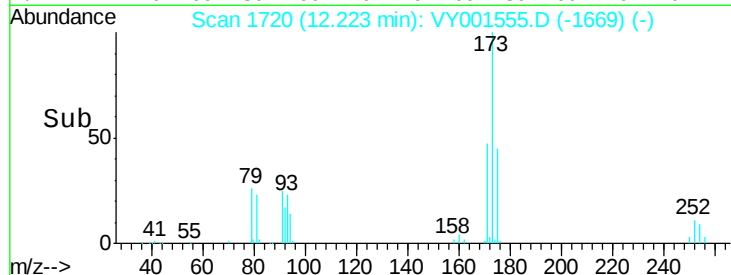
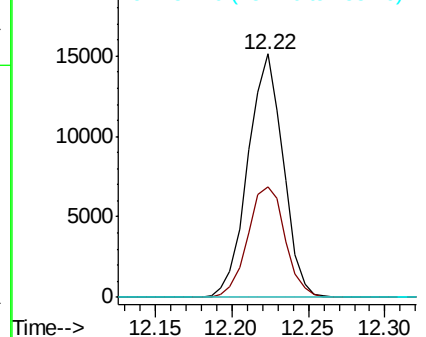


Abundance

Ion 172.70 (172.40 to 173.40): V

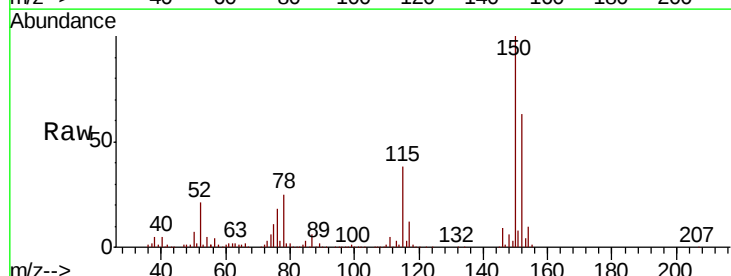
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.9	31.4	94.3
150	165.2	0.0	346.8

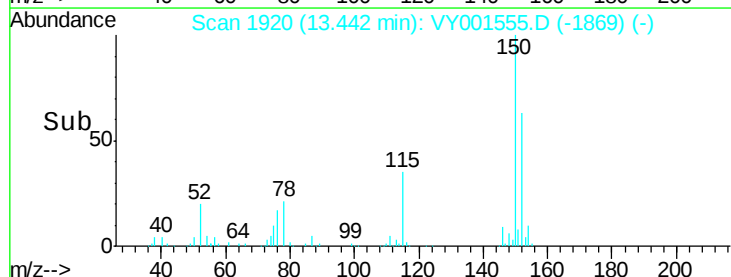
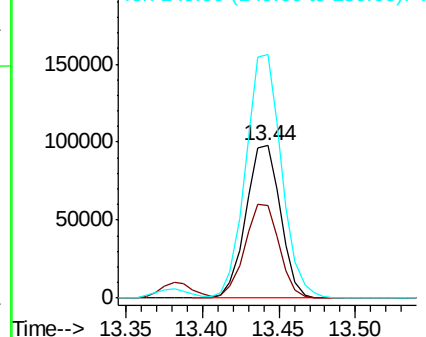


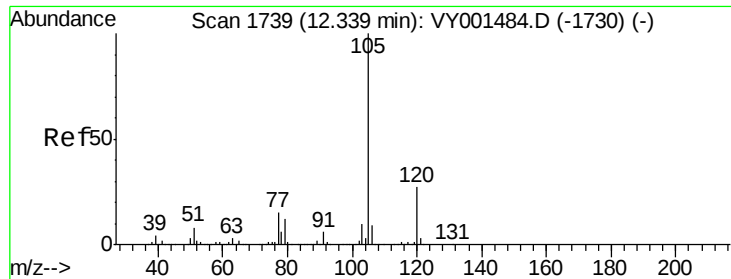
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





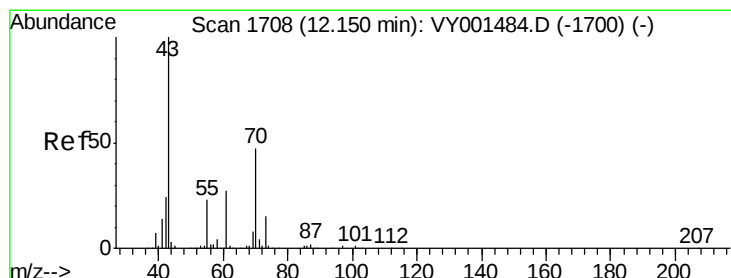
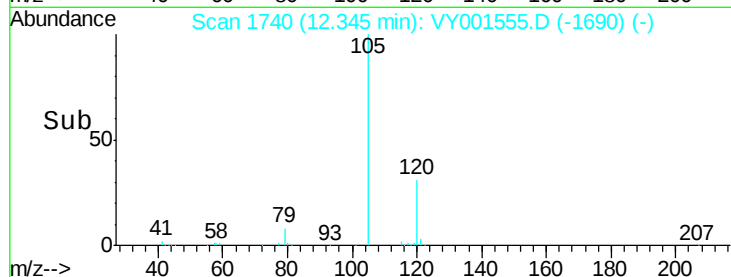
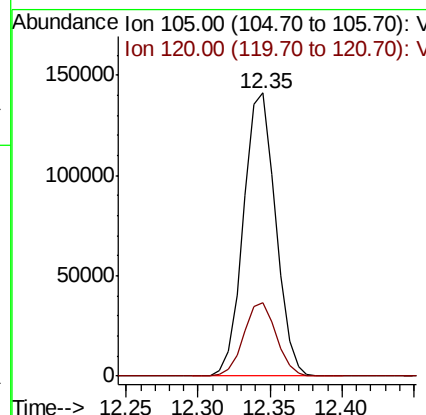
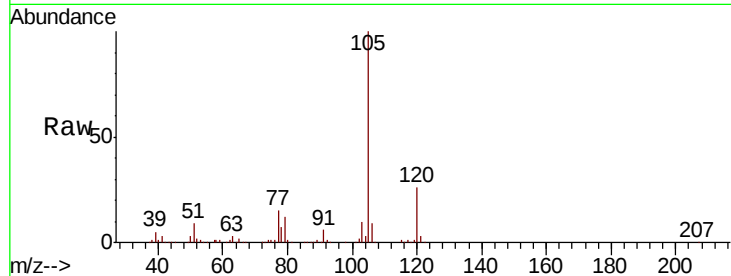
#73
Isopropylbenzene
Concen: 18.598 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9

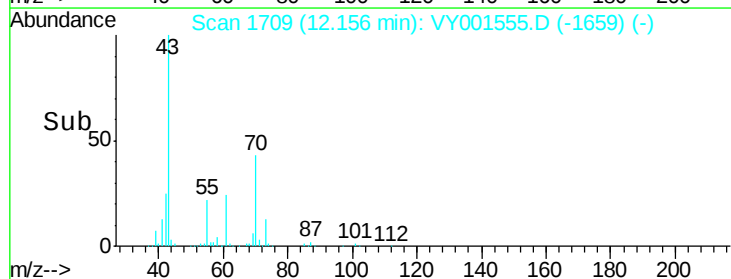
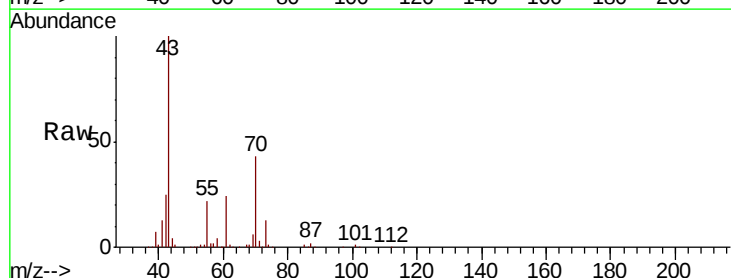
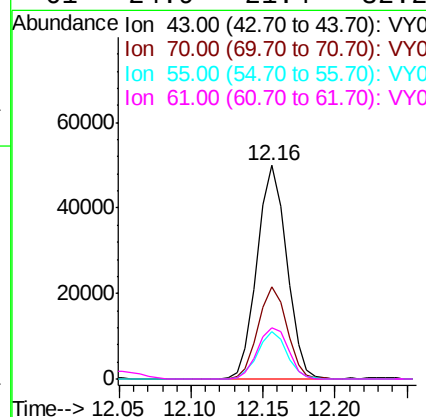
Manual Integrations
APPROVED

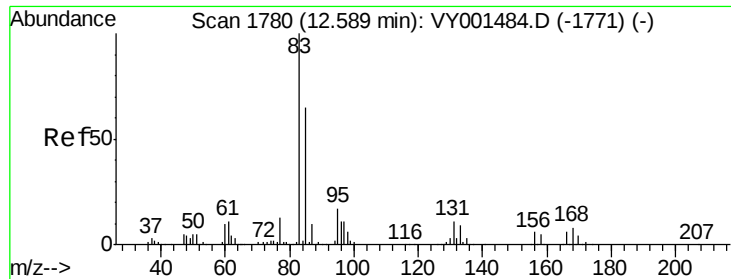
MMDadoda
2/10/2020 11:27:24 AM



#74
N-ethyl acetate
Concen: 23.424 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	37.2	55.8
55	22.1	18.8	28.2
61	24.9	21.4	32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.846 ug/l

RT: 12.59 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

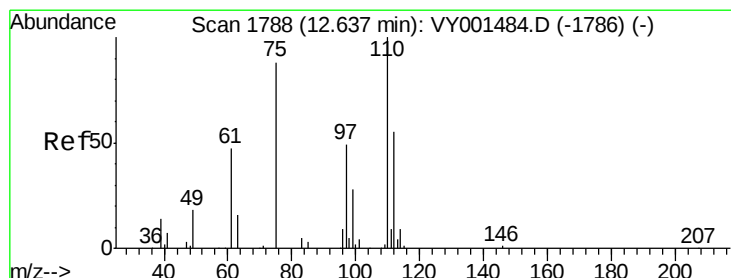
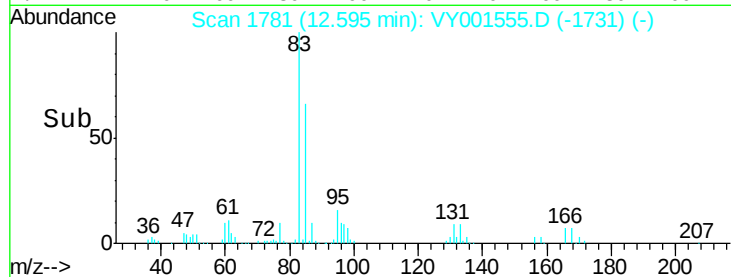
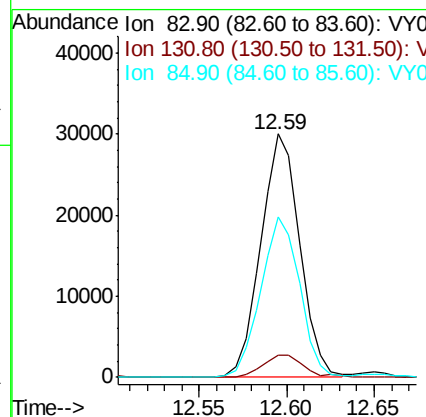
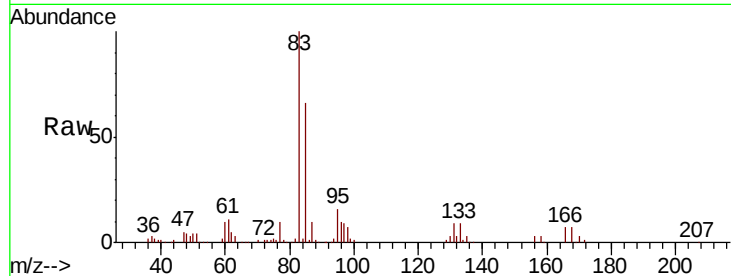
ClientSampleId :

VY0207SBS01

Tot Ion:	83	Resp:	46427
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.4	16.2
85	65.9	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#76

1,2,3-Trichloropropane

Concen: 21.053 ug/l m

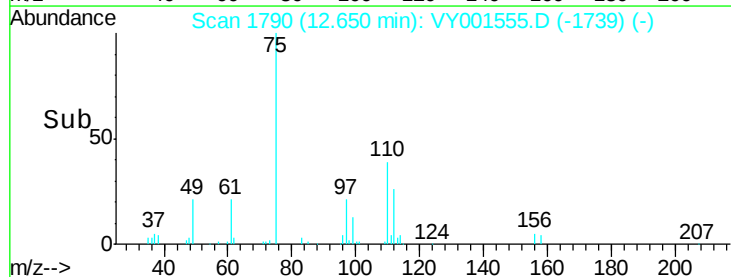
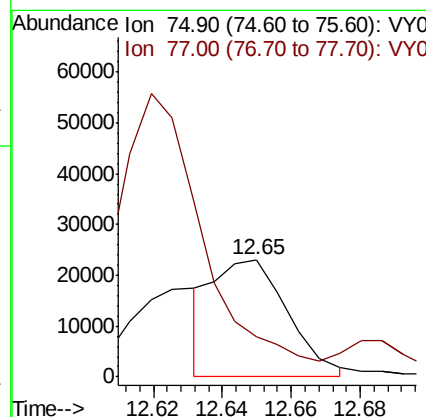
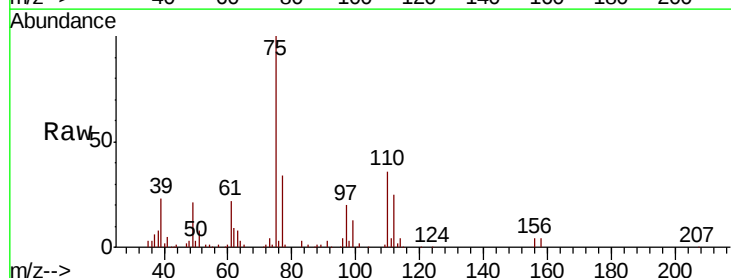
RT: 12.65 min Scan# 1790

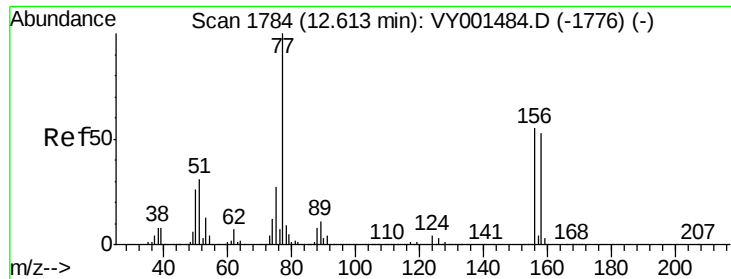
Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Tgt Ion:	75	Resp:	34798
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.871 ug/l

RT: 12.62 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBSD01

Tot Ion:156 Resp: 47872

Ion Ratio Lower Upper

156 100

77 209.1 99.8 299.3

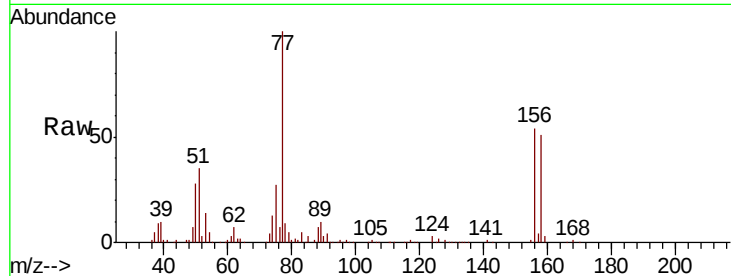
158 96.2 47.5 142.6

Manual Integrations

APPROVED

MMDadoda

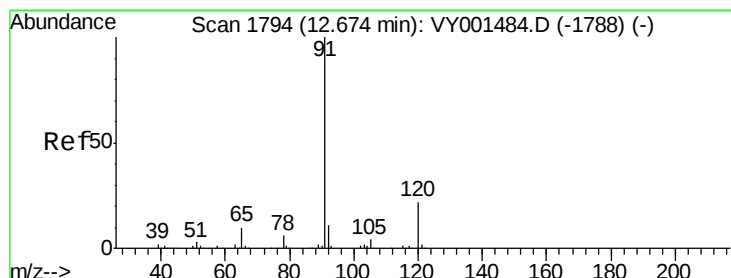
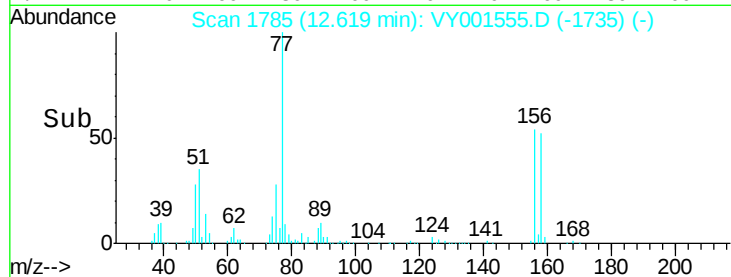
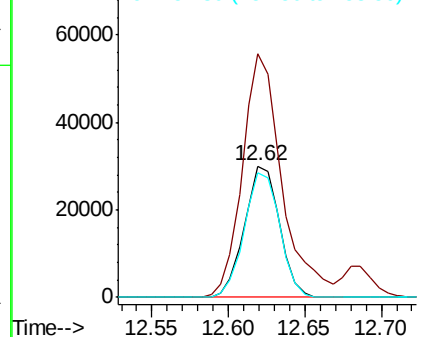
2/10/2020 11:27:24 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.171 ug/l

RT: 12.69 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VY001555.D

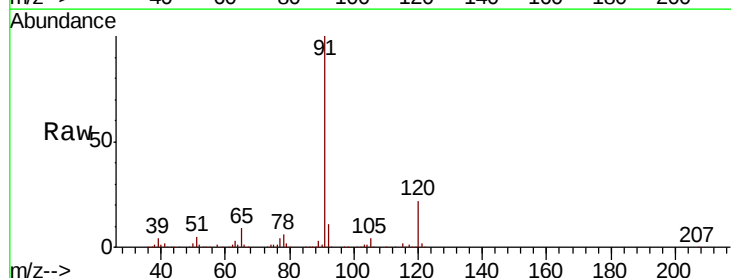
Acq: 07 Feb 2020 15:40

Tgt Ion: 91 Resp: 269037

Ion Ratio Lower Upper

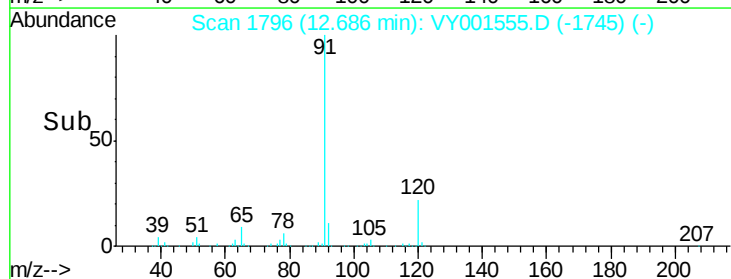
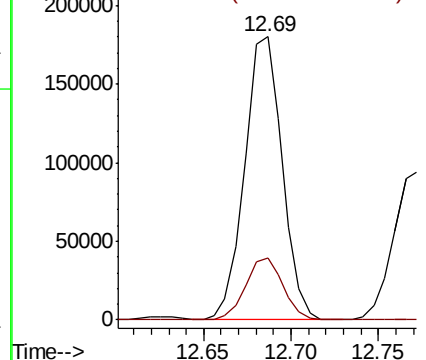
91 100

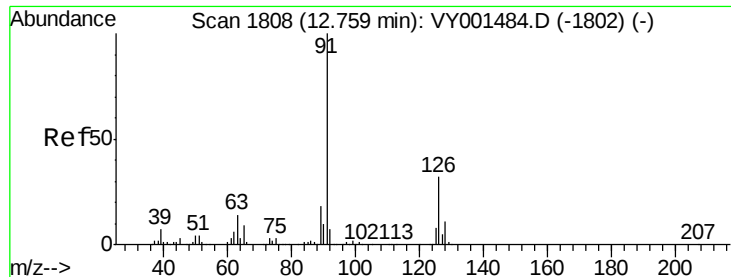
120 21.8 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.507 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion: 91 Resp: 148041

Ion Ratio Lower Upper

91 100

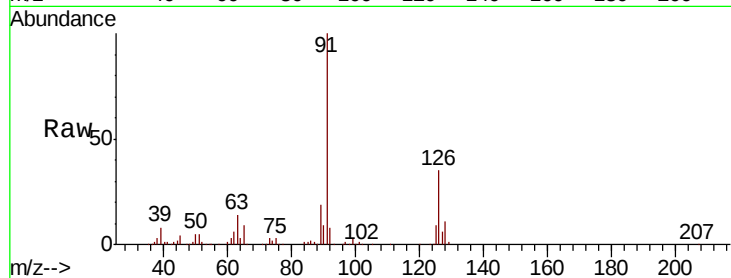
126 34.0 16.4 49.2

Manual Integrations

APPROVED

MMDadoda

2/10/2020 11:27:24 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001555.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY001555.D (-1759) (-)

150000

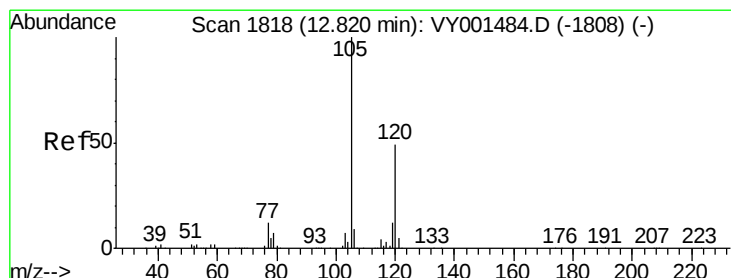
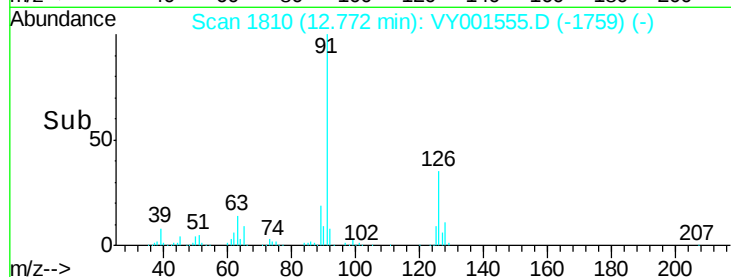
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.438 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001555.D

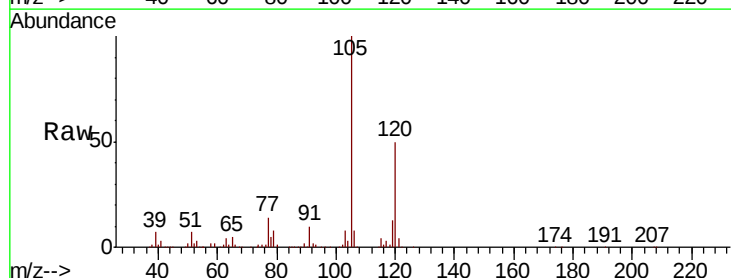
Acq: 07 Feb 2020 15:40

Tgt Ion: 105 Resp: 182023

Ion Ratio Lower Upper

105 100

120 49.2 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VY001555.D (-1769) (-)

Ion 120.00 (119.70 to 120.70): VY001555.D (-1769) (-)

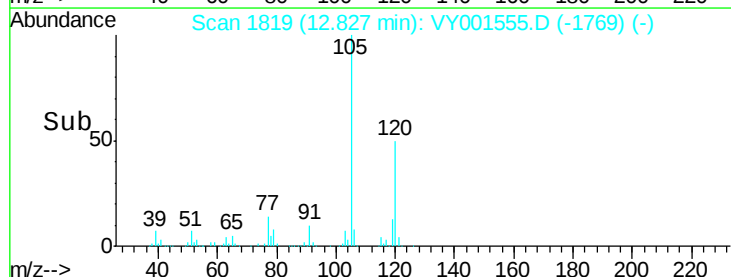
100000

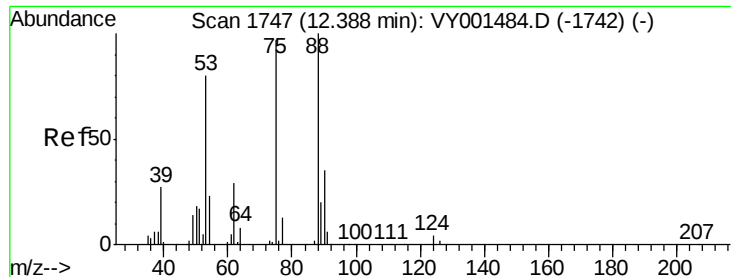
50000

0

12.80 12.85 12.90

Time-->





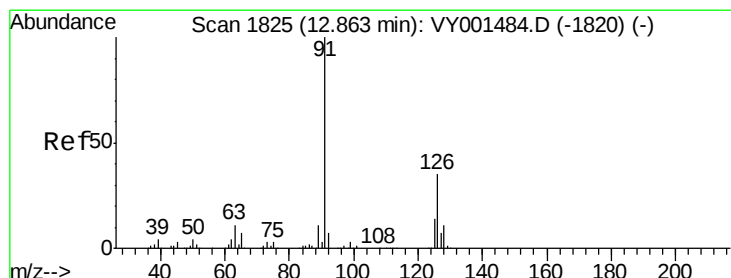
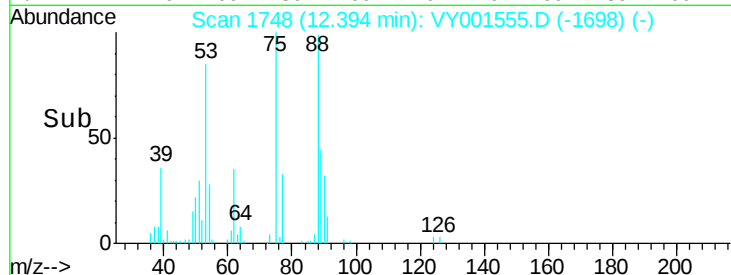
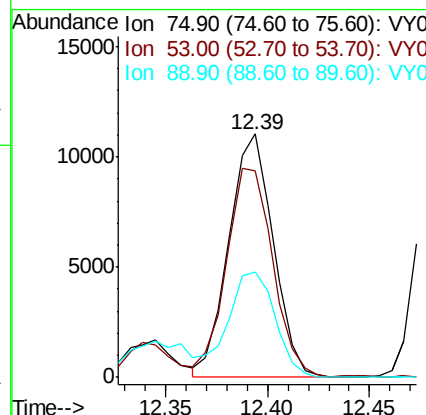
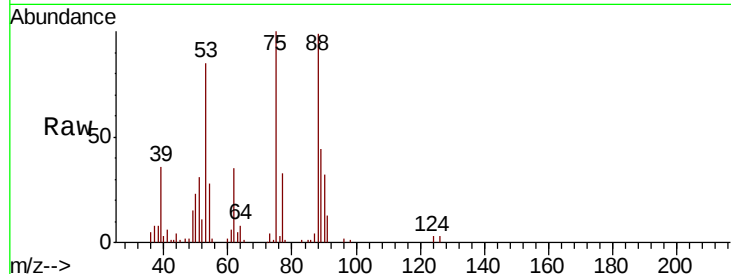
#81
trans-1,4-Dichloro-2-butene
Concen: 19.519 ug/l
RT: 12.39 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	67.7	101.5
89	46.8	34.6	52.0

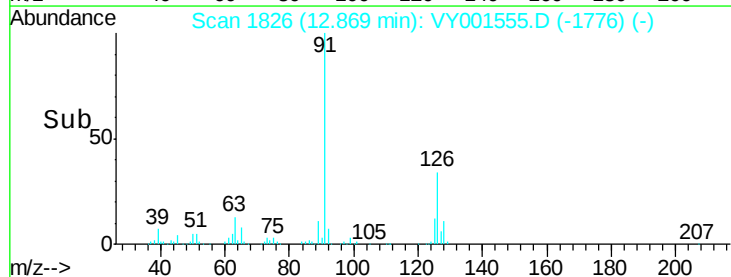
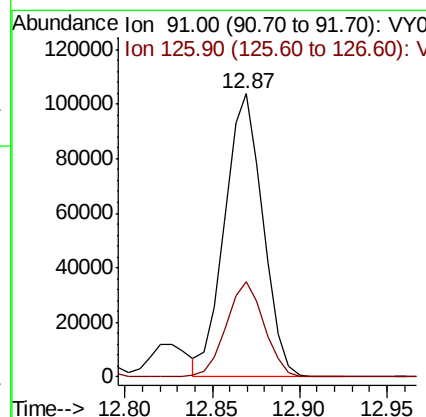
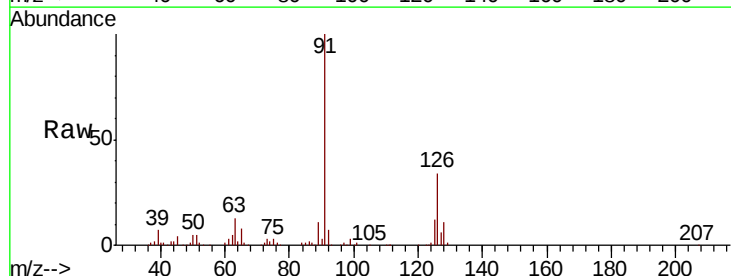
Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#82
4-Chlorotoluene
Concen: 18.735 ug/l
RT: 12.87 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.5	49.5





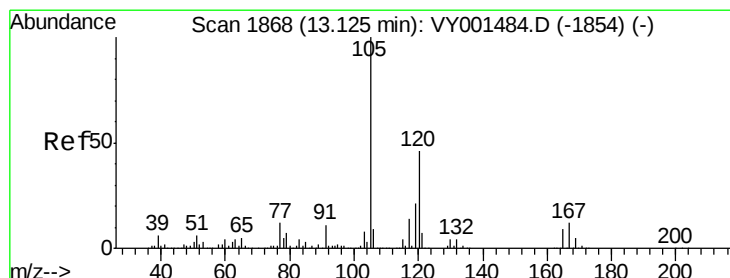
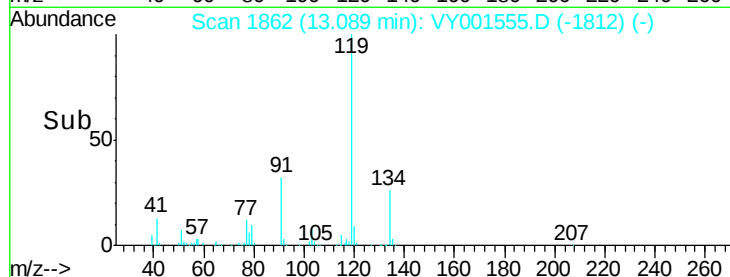
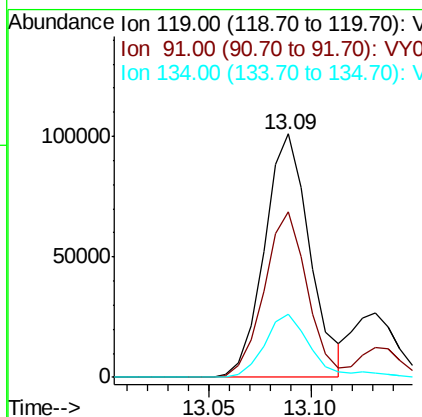
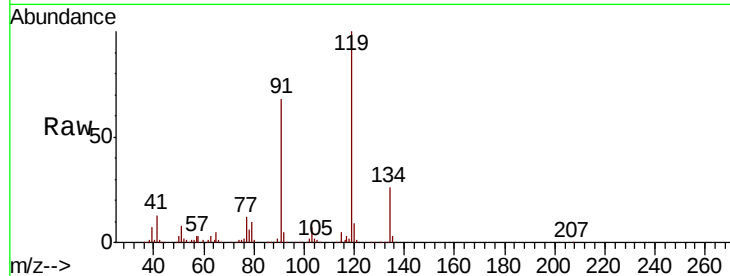
#83
tert-Butylbenzene
Concen: 18.687 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	155938		
91	64.8	33.1	99.3	
134	26.8	13.0	39.0	

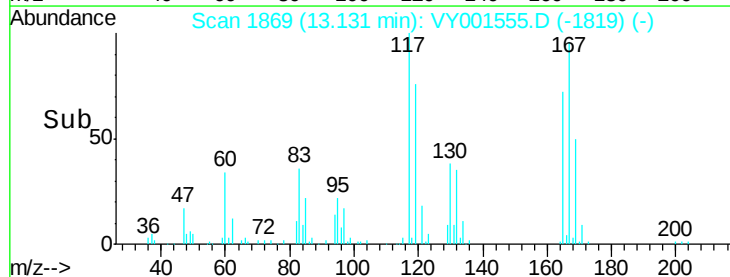
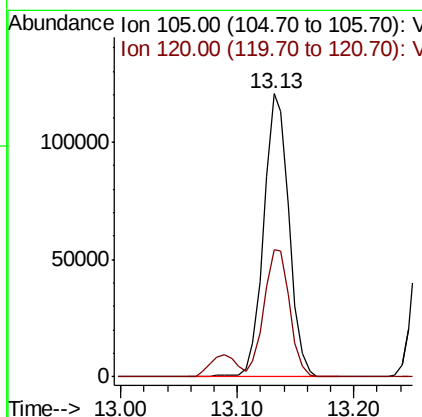
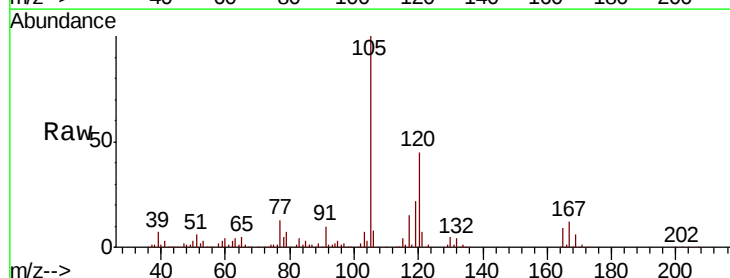
Manual Integrations
APPROVED

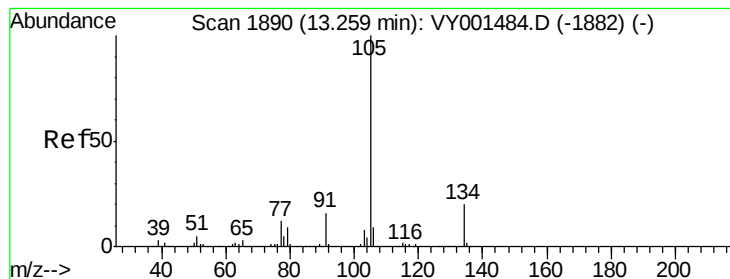
MMDadoda
2/10/2020 11:27:24 AM



#84
1,2,4-Trimethylbenzene
Concen: 18.572 ug/l
RT: 13.13 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	181466		
120	45.5	22.4	67.0	





#85

sec-Butylbenzene

Concen: 18.857 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

Instrument :

MSVOA_Y

ClientSampleId :

VY0207SBS01

Tot Ion:105 Resp: 221235

Ion Ratio Lower Upper

105 100

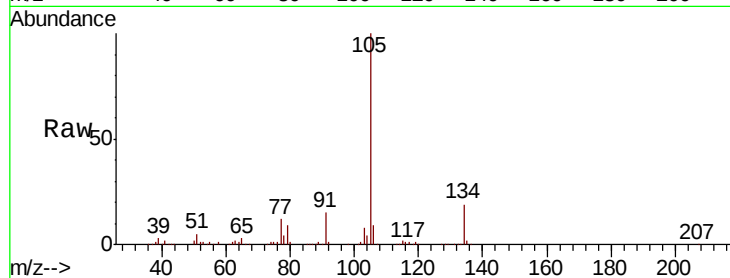
134 19.5 10.0 29.8

Manual Integrations

APPROVED

MMDadoda

2/10/2020 11:27:24 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

100000

50000

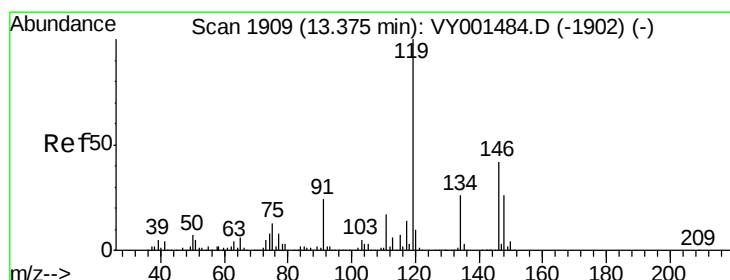
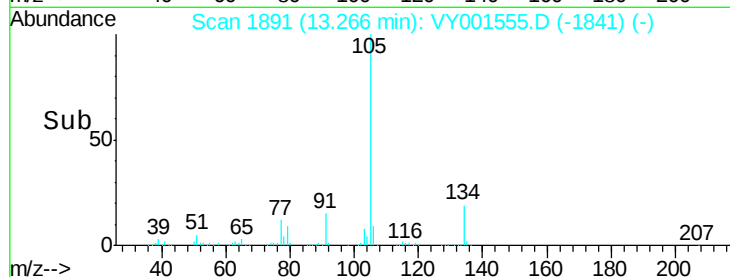
0

13.27

13.20

13.30

Time-->



#86

p-Isopropyltoluene

Concen: 19.030 ug/l

RT: 13.38 min Scan# 1910

Delta R.T. 0.01 min

Lab File: VY001555.D

Acq: 07 Feb 2020 15:40

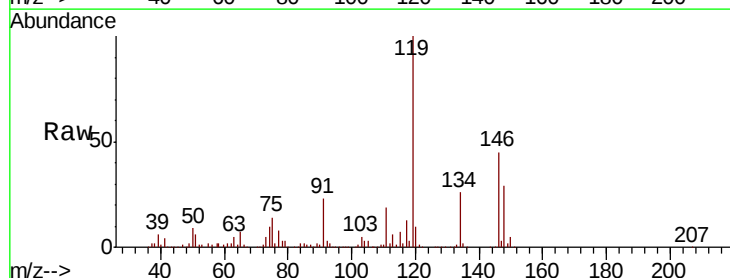
Tgt Ion:119 Resp: 196750

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.9 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

150000

100000

50000

0

13.38

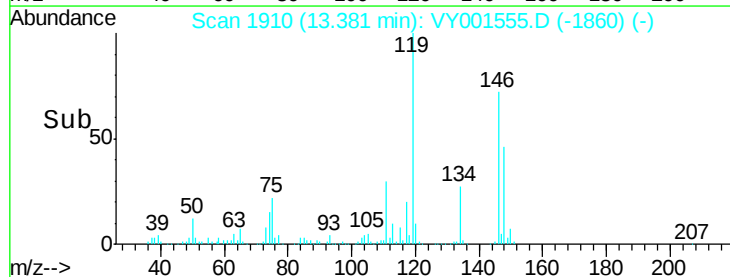
13.30

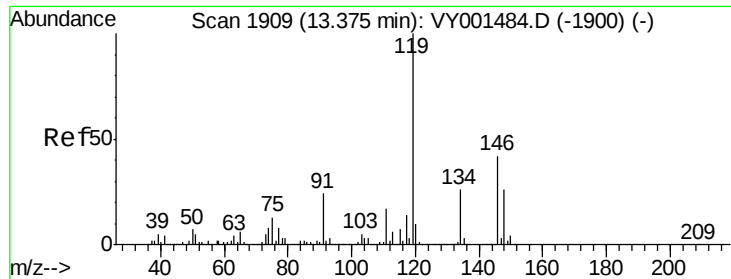
13.35

13.40

13.45

Time-->





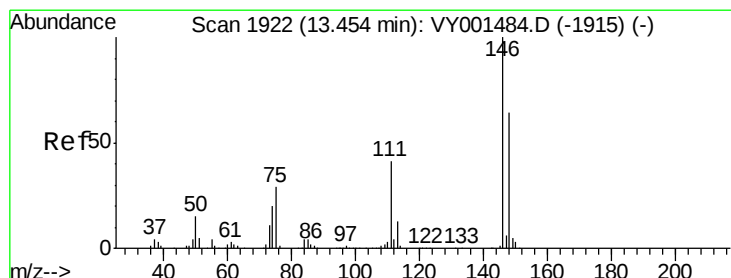
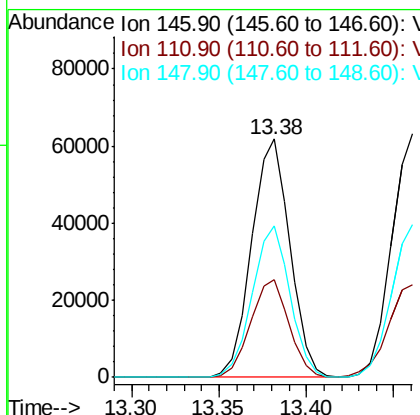
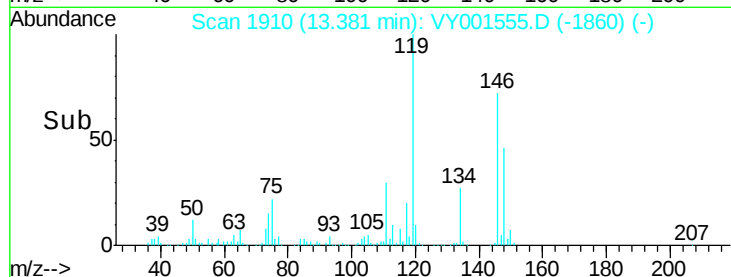
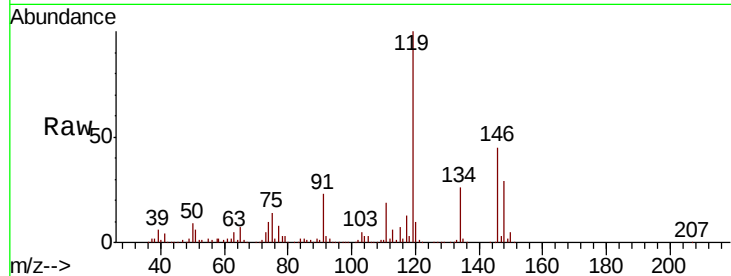
#87
 1,3-Dichlorobenzene
 Concen: 19.462 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.3	63.9
148	62.6	31.9	95.7

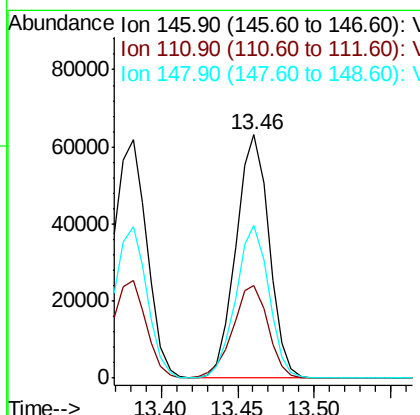
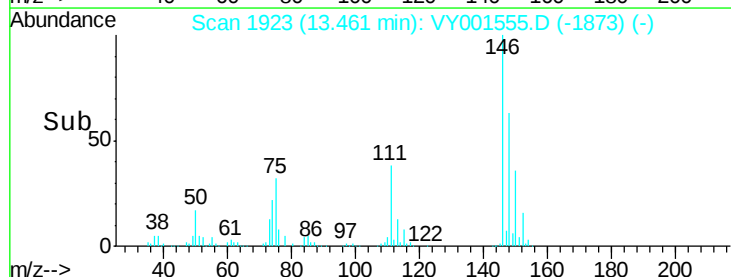
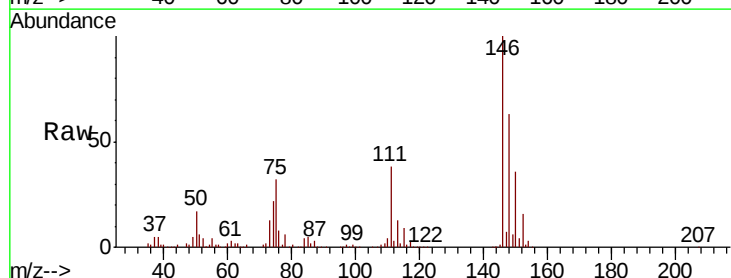
Manual Integrations
 APPROVED

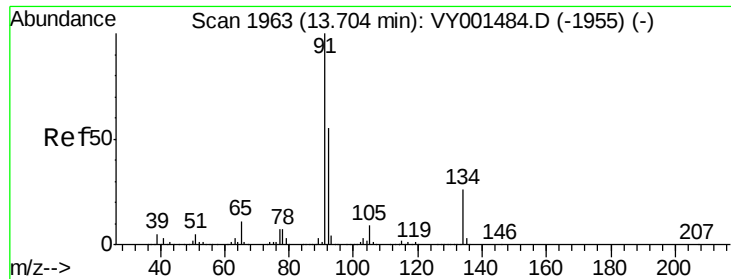
MMDadoda
 2/10/2020 11:27:24 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.463 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	62.8	32.1	96.5





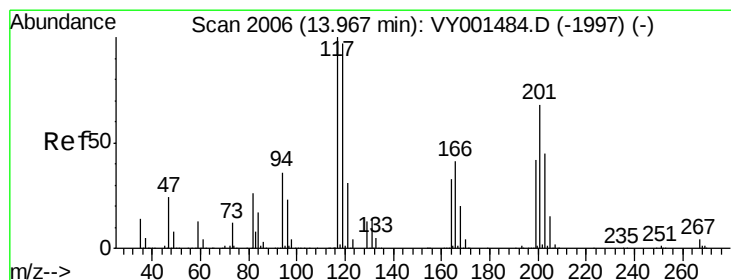
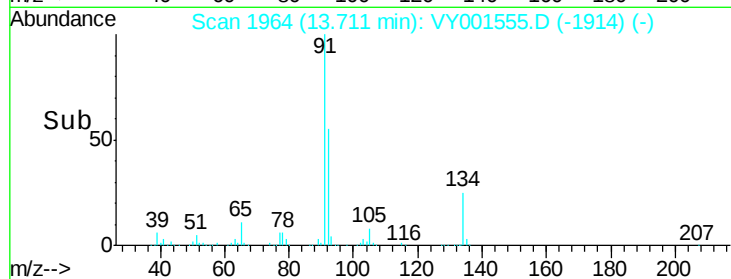
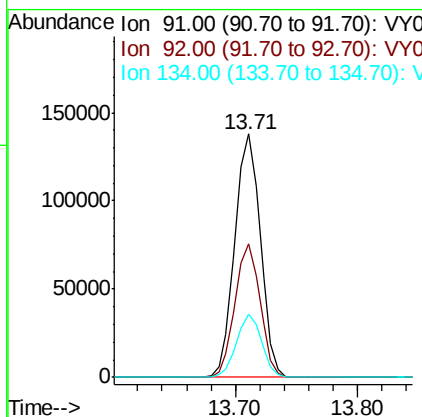
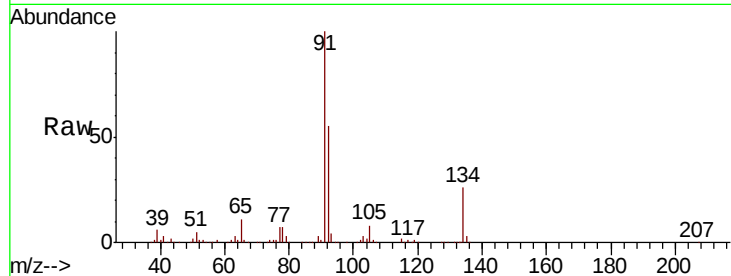
#89
n-Butylbenzene
Concen: 19.541 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.3	81.9
134	25.3	13.0	38.9

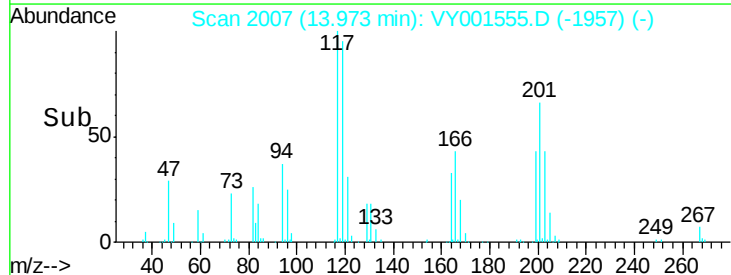
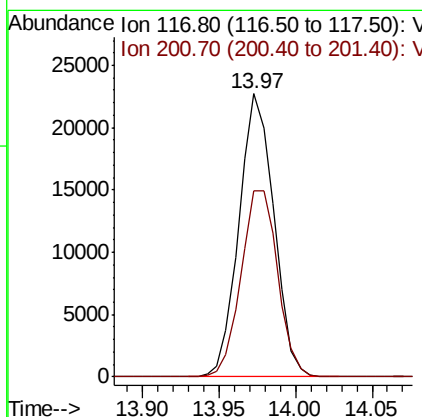
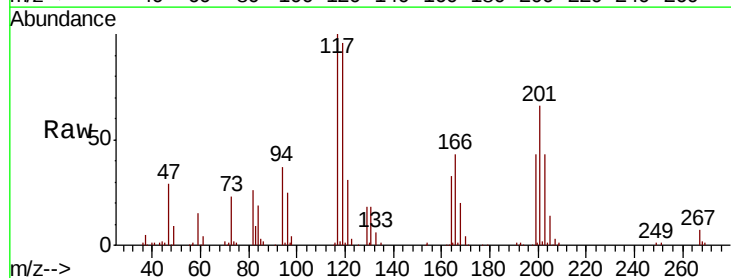
Manual Integrations
APPROVED

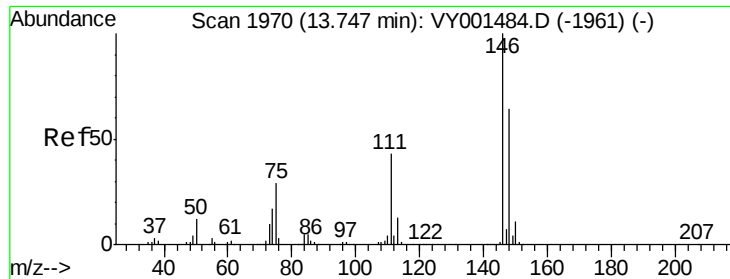
MMDadoda
2/10/2020 11:27:24 AM



#90
Hexachloroethane
Concen: 18.161 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.3	34.1	102.3





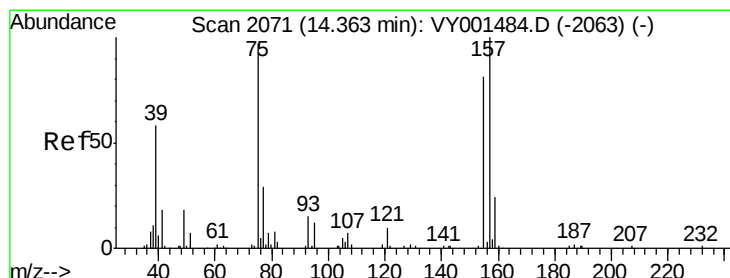
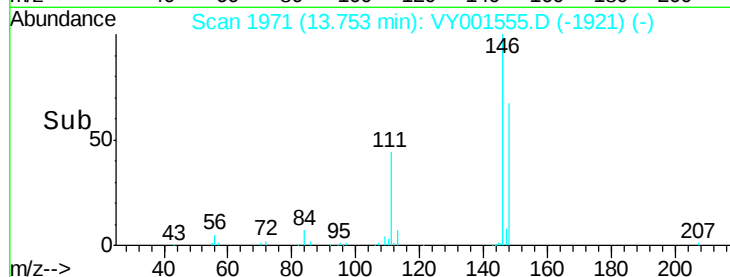
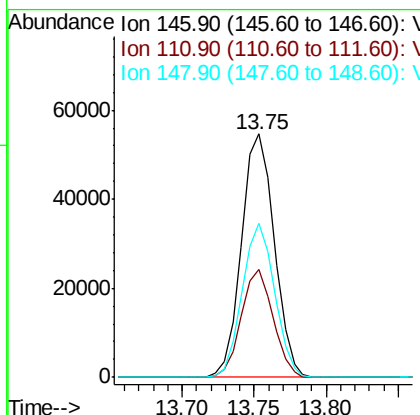
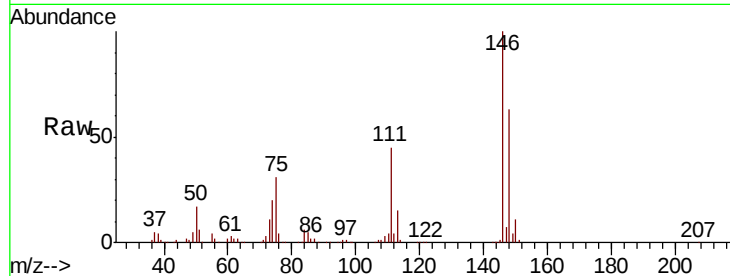
#91
 1,2-Dichlorobenzene
 Concen: 19.548 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.9	65.8
148	62.3	31.8	95.3

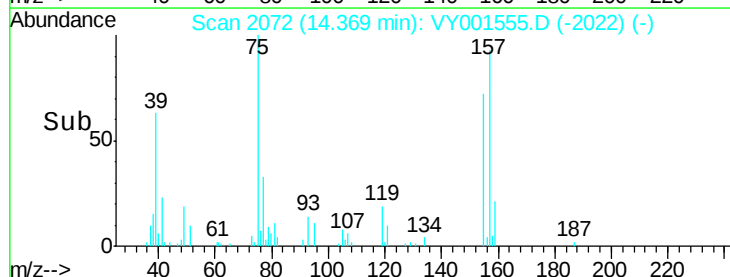
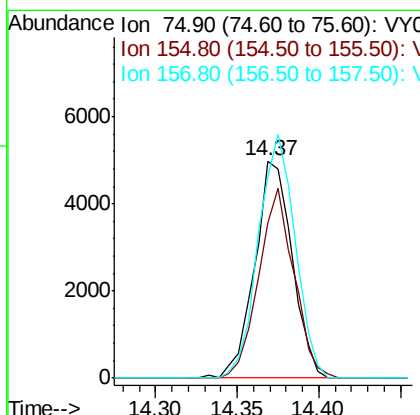
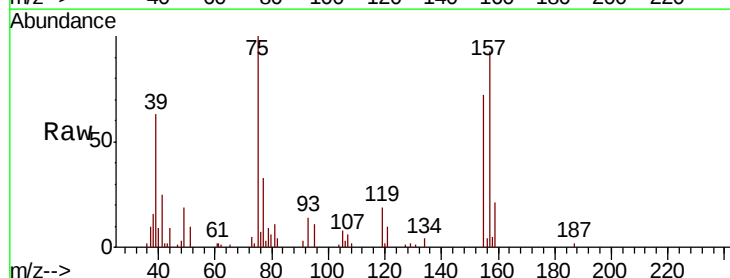
Manual Integrations
 APPROVED

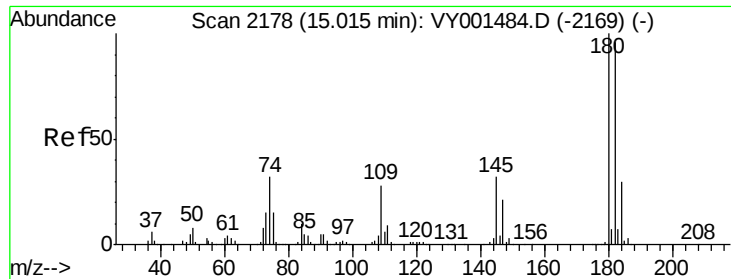
MMDadoda
 2/10/2020 11:27:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.263 ug/l
 RT: 14.37 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.2	40.7	122.1
157	109.9	52.3	157.1





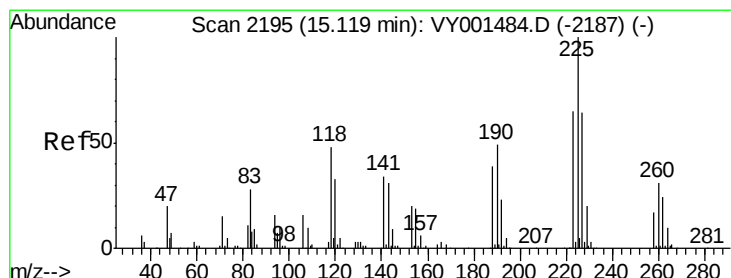
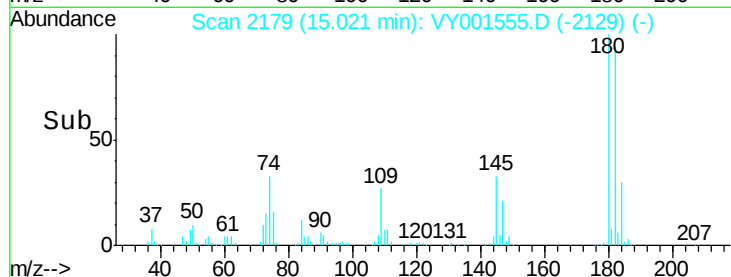
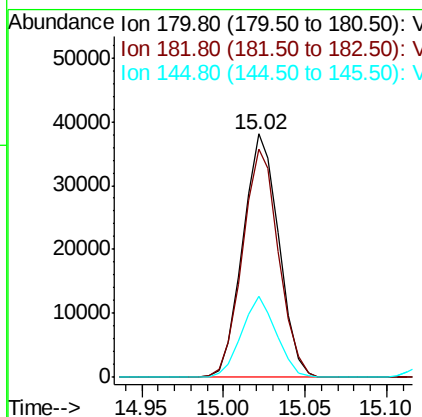
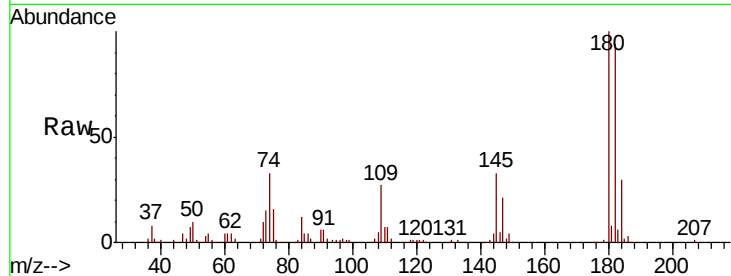
#93
 1,2,4-Trichlorobenzene
 Concen: 19.680 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.7
145	31.9	16.8	50.3

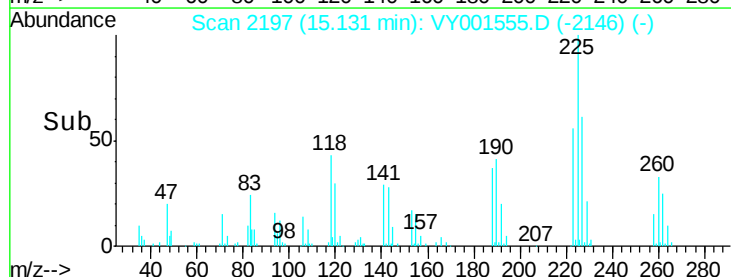
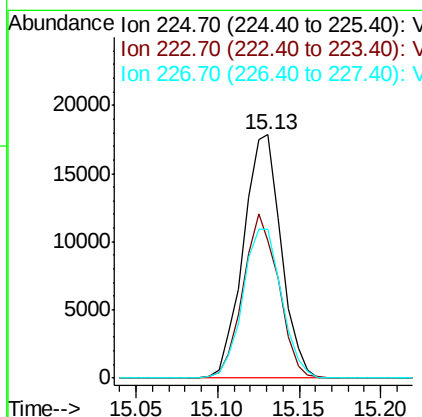
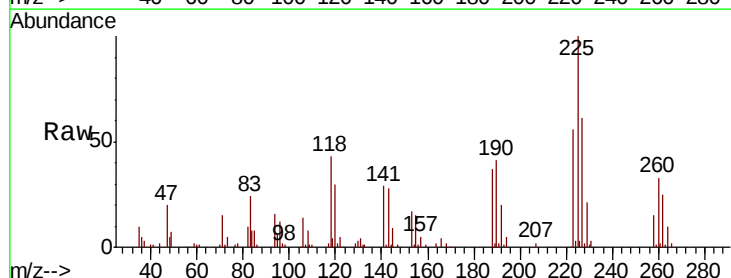
Manual Integrations
 APPROVED

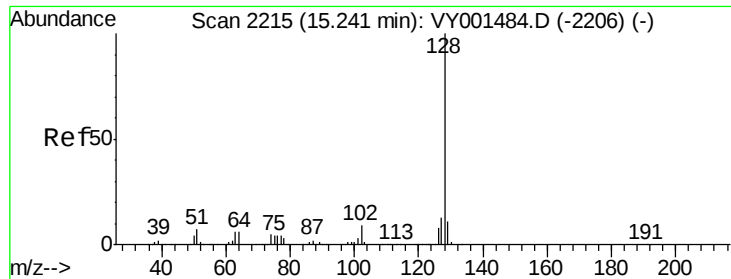
MMDadoda
 2/10/2020 11:27:24 AM



#94
 Hexachlorobutadiene
 Concen: 19.130 ug/l
 RT: 15.13 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VY001555.D
 Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.7
227	62.8	32.6	97.7





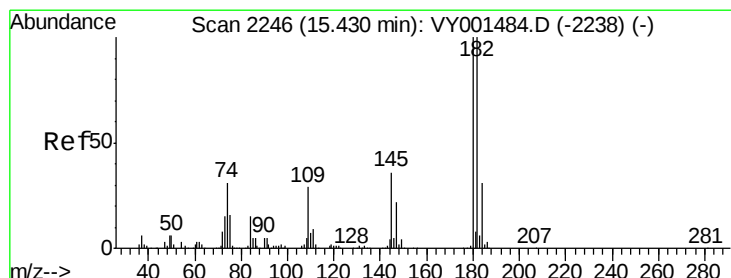
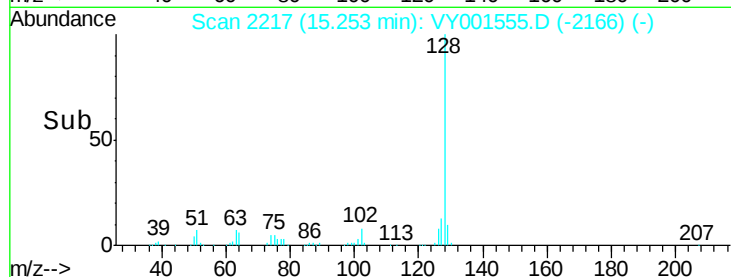
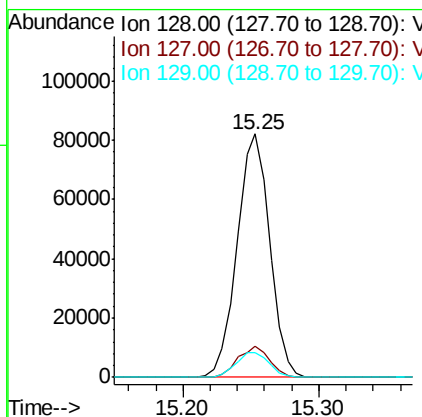
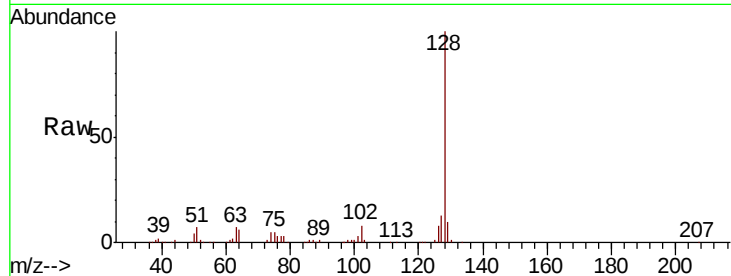
#95
Naphthalene
Concen: 19.606 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Instrument :
MSVOA_Y
ClientSampleId :
VY0207SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.5	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
2/10/2020 11:27:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.754 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001555.D
Acq: 07 Feb 2020 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.0	144.2
145	33.8	17.8	53.5

