

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001795.D
 Acq On : 28 Feb 2020 11:24
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:56 AM

Quant Time: Feb 28 13:25:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.82	168	173015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	311849	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	279806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.44	152	131058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.17	65	93820	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	7.75	113	87800	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
50) Toluene-d8	10.20	98	362915	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
62) 4-Bromofluorobenzene	12.50	95	128974	47.44	ug/l	0.00
Spiked Amount			Recovery	=	94.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	29538	17.514	ug/l	94
3) Chloromethane	2.13	50	41261	18.189	ug/l	100
4) Vinyl Chloride	2.27	62	42382	18.524	ug/l	95
5) Bromomethane	2.66	94	28707	20.075	ug/l	91
6) Chloroethane	2.81	64	27412	19.442	ug/l	97
7) Trichlorofluoromethane	3.15	101	58468	19.966	ug/l	99
8) Diethyl Ether	3.55	74	24352	21.095	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.93	101	37701	20.483	ug/l	100
10) Methyl Iodide	4.13	142	43651	19.378	ug/l	100
11) Tert butyl alcohol	5.00	59	29215	122.601	ug/l #	93
12) 1,1-Dichloroethene	3.91	96	37830	20.152	ug/l	95
13) Acrolein	3.77	56	15708	83.573	ug/l	96
14) Allyl chloride	4.52	41	68589	20.530	ug/l	99
15) Acrylonitrile	5.21	53	65356	110.452	ug/l	99
16) Acetone	3.98	43	58805	91.321	ug/l	95
17) Carbon Disulfide	4.22	76	115792	18.476	ug/l	99
18) Methyl Acetate	4.52	43	33652	23.997	ug/l	99
19) Methyl tert-butyl Ether	5.27	73	107827	20.630	ug/l	100
20) Methylene Chloride	4.76	84	48082	21.022	ug/l	97
21) trans-1,2-Dichloroethene	5.27	96	43525	20.322	ug/l	92
22) Diisopropyl ether	6.16	45	143042	20.848	ug/l	98
23) Vinyl Acetate	6.10	43	454107	101.467	ug/l	99
24) 1,1-Dichloroethane	6.06	63	75822	20.676	ug/l	100
25) 2-Butanone	7.02	43	87117	99.589	ug/l	99
26) 2,2-Dichloropropane	7.02	77	63669	19.956	ug/l	99
27) cis-1,2-Dichloroethene	7.02	96	49507	20.941	ug/l	97
28) Bromochloromethane	7.36	49	29937	19.598	ug/l	96
29) Tetrahydrofuran	7.38	42	55710	105.367	ug/l	100
30) Chloroform	7.54	83	73239	20.440	ug/l	97
31) Cyclohexane	7.81	56	77326	19.777	ug/l #	91
32) 1,1,1-Trichloroethane	7.73	97	61079	20.282	ug/l	99
36) 1,1-Dichloropropene	7.95	75	58990	19.804	ug/l	99
37) Ethyl Acetate	7.10	43	36579	20.574	ug/l	99
38) Carbon Tetrachloride	7.93	117	52128	19.923	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
 Data File : VY001795.D
 Acq On : 28 Feb 2020 11:24
 Operator : SY/MD
 Sample : VY0228SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:56 AM

Quant Time: Feb 28 13:25:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.21	83	78257	19.803	ug/l	98
40) Benzene	8.19	78	179179	20.453	ug/l	96
41) Methacrylonitrile	7.35	41	18042m	20.211	ug/l	
42) 1,2-Dichloroethane	8.27	62	48134	20.168	ug/l	100
43) Isopropyl Acetate	8.30	43	68996	20.454	ug/l	99
44) Trichloroethene	8.96	130	44196	20.209	ug/l	97
45) 1,2-Dichloropropane	9.24	63	46390	21.144	ug/l	98
46) Dibromomethane	9.33	93	23896	20.823	ug/l	98
47) Bromodichloromethane	9.52	83	56042	20.235	ug/l	99
48) Methyl methacrylate	9.32	41	30259	19.834	ug/l	97
49) 1,4-Dioxane	9.32	88	6526	402.638	ug/l	94
51) 4-Methyl-2-Pentanone	10.09	43	181792	104.891	ug/l	99
52) Toluene	10.26	92	110781	20.272	ug/l	99
53) t-1,3-Dichloropropene	10.48	75	61760	20.171	ug/l	99
54) cis-1,3-Dichloropropene	9.95	75	72212	20.492	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	35701	21.098	ug/l	99
56) Ethyl methacrylate	10.52	69	51714	20.372	ug/l	99
57) 1,3-Dichloropropane	10.81	76	63076	20.979	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.80	63	135831	133.361	ug/l	100
59) 2-Hexanone	10.85	43	128370	98.715	ug/l	99
60) Dibromochloromethane	11.00	129	37534	20.119	ug/l	98
61) 1,2-Dibromoethane	11.11	107	33366	20.854	ug/l	99
64) Tetrachloroethene	10.74	164	34953	19.899	ug/l	94
65) Chlorobenzene	11.53	112	113777	20.367	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.61	131	38180	20.261	ug/l	99
67) Ethyl Benzene	11.61	91	214974	20.737	ug/l	99
68) m/p-Xylenes	11.72	106	160082	41.338	ug/l	97
69) o-Xylene	12.04	106	75073	20.392	ug/l	98
70) Styrene	12.06	104	130012	20.320	ug/l	99
71) Bromoform	12.22	173	20597	19.126	ug/l #	97
73) Isopropylbenzene	12.35	105	200744	20.106	ug/l	100
74) N-amyl acetate	12.16	43	63739	20.003	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.60	83	44986	21.102	ug/l	100
76) 1,2,3-Trichloropropane	12.65	75	34530m	22.968	ug/l	
77) Bromobenzene	12.63	156	43888	20.277	ug/l	96
78) n-propylbenzene	12.69	91	250706	20.617	ug/l	100
79) 2-Chlorotoluene	12.77	91	137986	20.232	ug/l	97
80) 1,3,5-Trimethylbenzene	12.83	105	170456	20.624	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	15831	19.977	ug/l	96
82) 4-Chlorotoluene	12.87	91	146582	20.378	ug/l	98
83) tert-Butylbenzene	13.09	119	140301	20.297	ug/l	99
84) 1,2,4-Trimethylbenzene	13.14	105	168196	20.413	ug/l	99
85) sec-Butylbenzene	13.27	105	210588	20.714	ug/l	99
86) p-Isopropyltoluene	13.39	119	181705	20.574	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	87601	20.869	ug/l	98
88) 1,4-Dichlorobenzene	13.46	146	86658	20.423	ug/l	98
89) n-Butylbenzene	13.71	91	185543	20.560	ug/l	99
90) Hexachloroethane	13.97	117	33812	20.320	ug/l	99
91) 1,2-Dichlorobenzene	13.75	146	79902	20.626	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.38	75	6683	18.995	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY022820\
Data File : VY001795.D
Acq On : 28 Feb 2020 11:24
Operator : SY/MD
Sample : VY0228SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBSD01

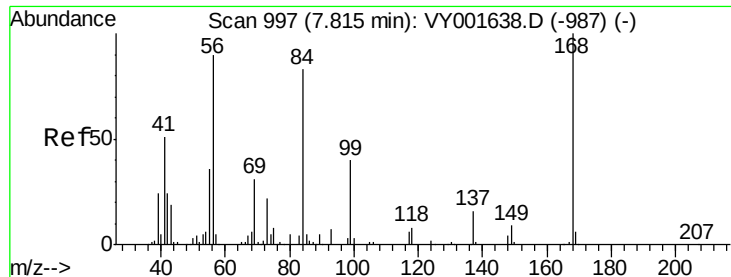
Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM

Quant Time: Feb 28 13:25:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260
QLast Update : Mon Feb 17 12:19:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	51092	19.903	ug/l	97
94) Hexachlorobutadiene	15.13	225	25368	19.870	ug/l	98
95) Naphthalene	15.25	128	121107	20.461	ug/l	100
96) 1,2,3-Trichlorobenzene	15.44	180	45446	20.123	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.82 min Scan# 998

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion:168 Resp: 173015

Ion Ratio Lower Upper

168 100

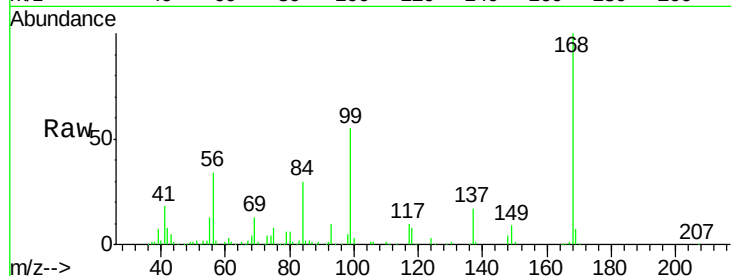
99 55.3 47.5 71.3

Manual Integrations

APPROVED

MMDadoda

3/2/2020 10:35:56 AM



Abundance Ion 167.90 (167.60 to 168.60): VY001795.D (-948) (-)

Ion 98.90 (98.60 to 99.60): VY001795.D (-948) (-)

7.82

80000

60000

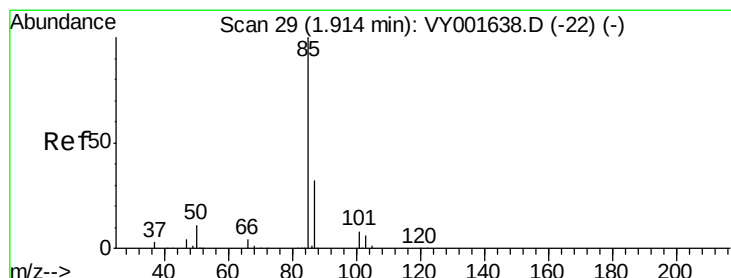
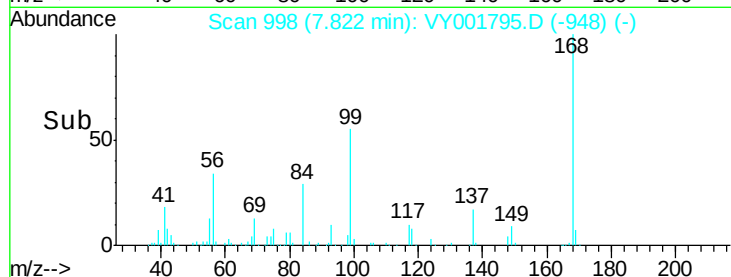
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 17.514 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001795.D

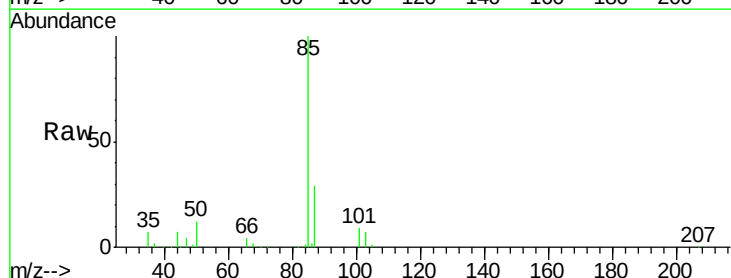
Acq: 28 Feb 2020 11:24

Tgt Ion: 85 Resp: 29538

Ion Ratio Lower Upper

85 100

87 29.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001795.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY001795.D (-1) (-)

1.91

25000

20000

15000

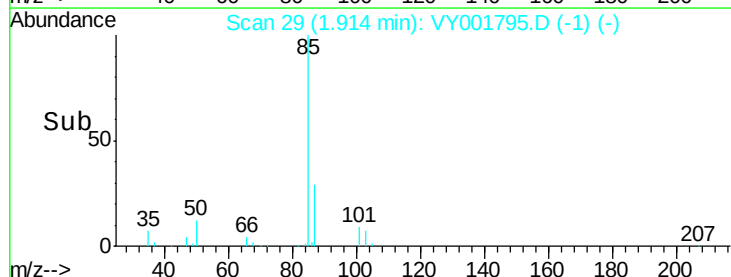
10000

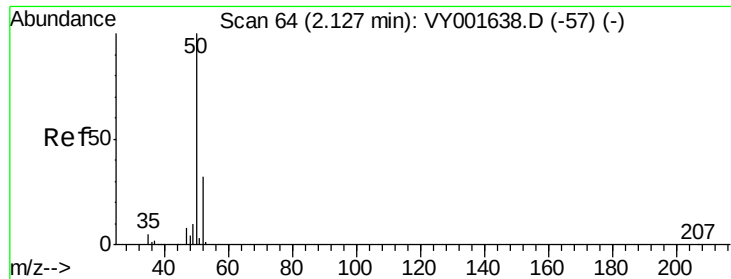
5000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 18.189 ug/l

RT: 2.13 min Scan# 64

Delta R.T. 0.00 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 50 Resp: 41261

Ion Ratio Lower Upper

50 100

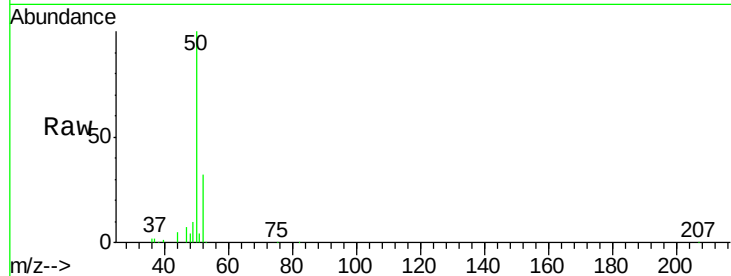
52 32.4 25.8 38.6

Manual Integrations

APPROVED

MMDadoda

3/2/2020 10:35:56 AM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.13

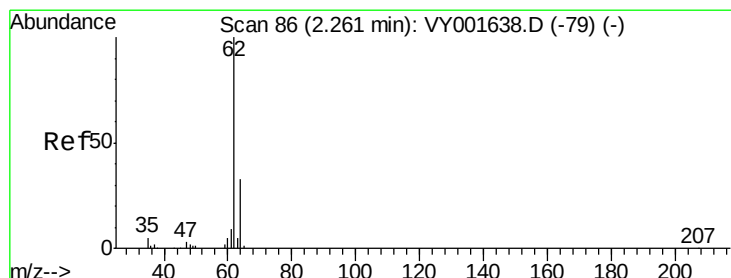
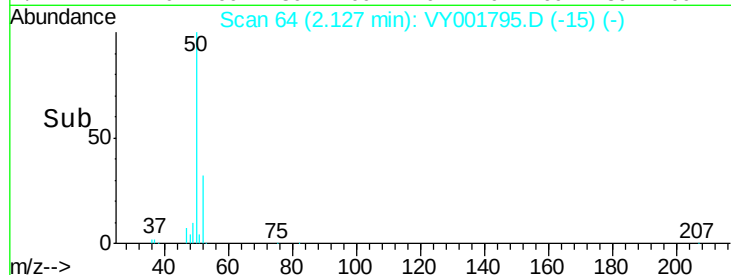
30000

20000

10000

0

Time-->



#4

Vinyl Chloride

Concen: 18.524 ug/l

RT: 2.27 min Scan# 87

Delta R.T. 0.01 min

Lab File: VY001795.D

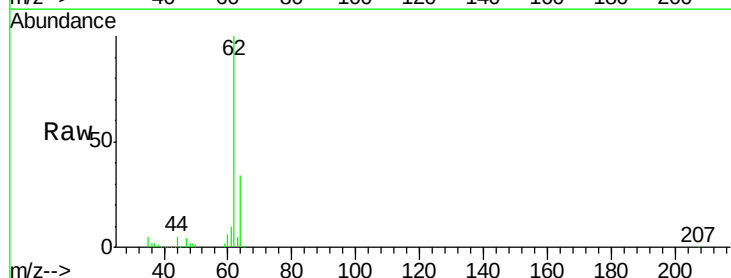
Acq: 28 Feb 2020 11:24

Tgt Ion: 62 Resp: 42382

Ion Ratio Lower Upper

62 100

64 34.1 24.9 37.3



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.27

30000

25000

20000

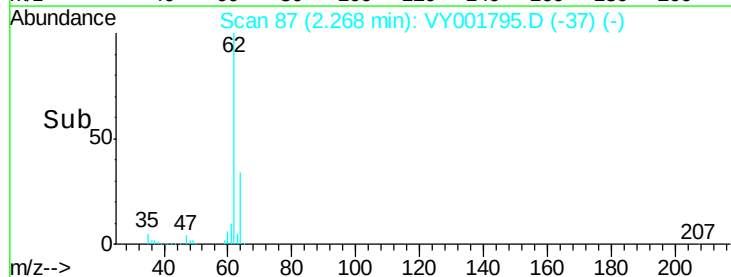
15000

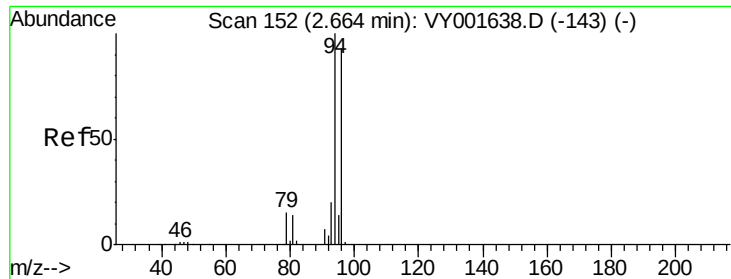
10000

5000

0

Time-->





#5

Bromomethane

Concen: 20.075 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 94 Resp: 28707

Ion Ratio Lower Upper

94 100

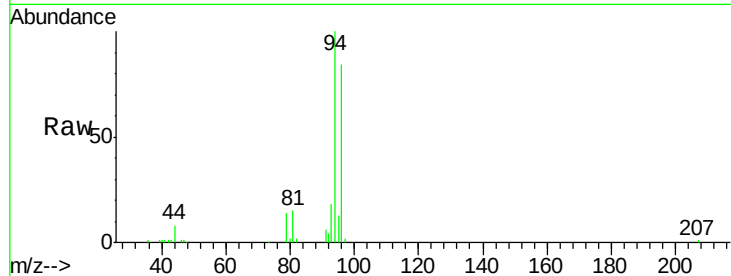
96 83.7 73.7 110.5

Manual Integrations

APPROVED

MMDadoda

3/2/2020 10:35:56 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.66

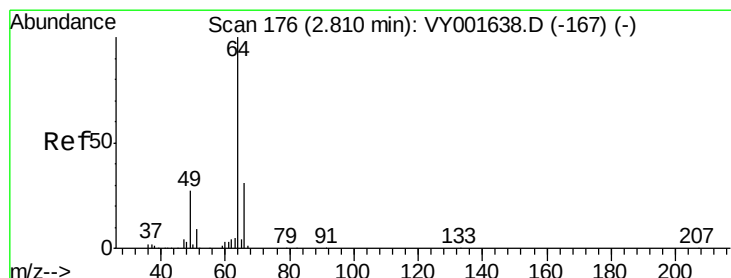
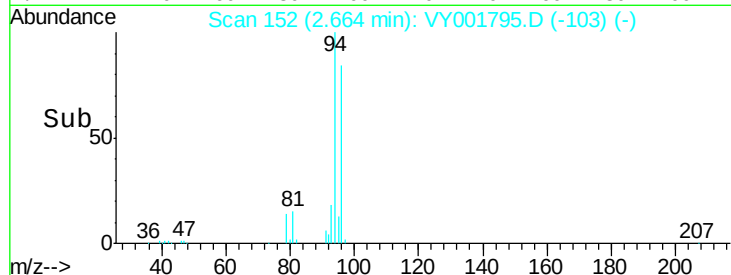
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.442 ug/l

RT: 2.81 min Scan# 176

Delta R.T. 0.00 min

Lab File: VY001795.D

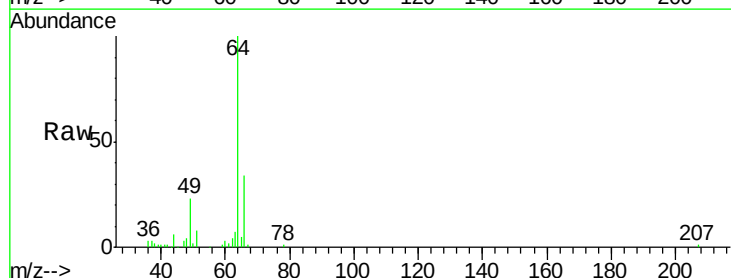
Acq: 28 Feb 2020 11:24

Tgt Ion: 64 Resp: 27412

Ion Ratio Lower Upper

64 100

66 33.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.81

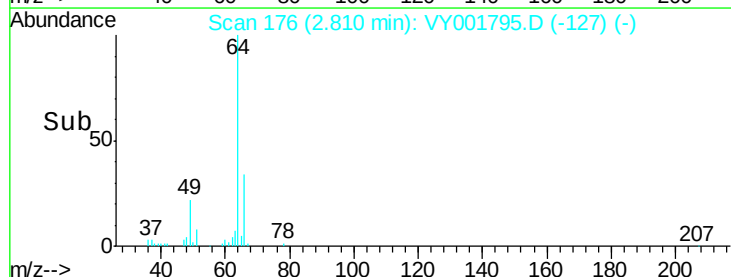
15000

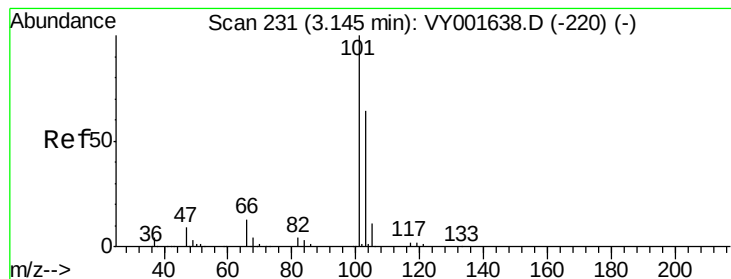
10000

5000

0

Time-->





#7

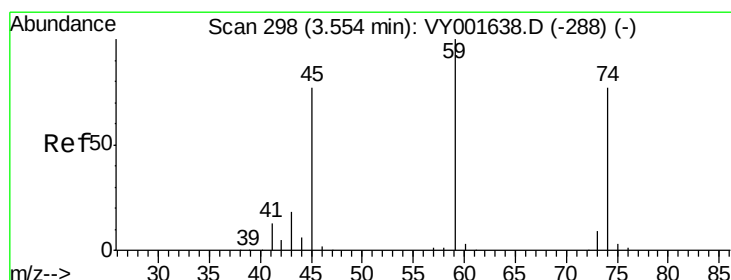
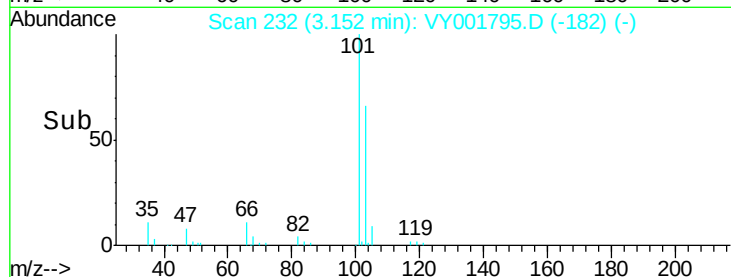
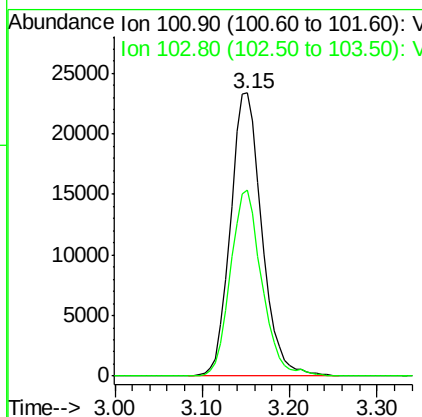
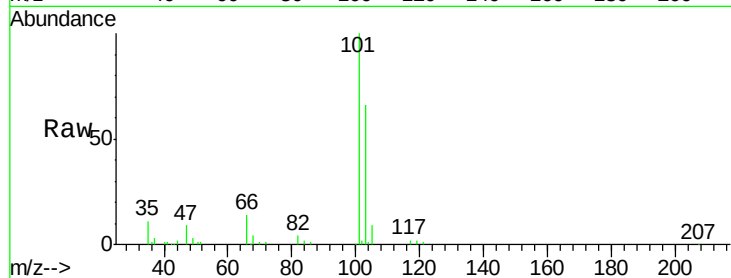
Trichlorofluoromethane
 Concen: 19.966 ug/l
 RT: 3.15 min Scan# 232
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.2	78.2

Manual Integrations
 APPROVED

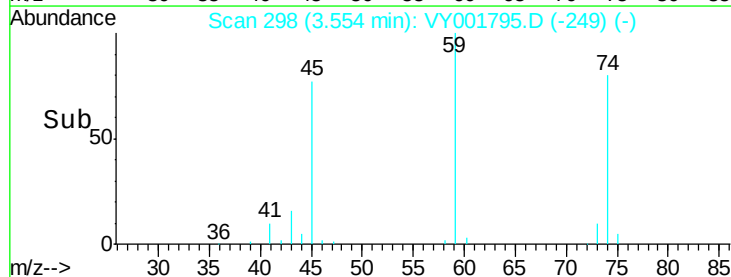
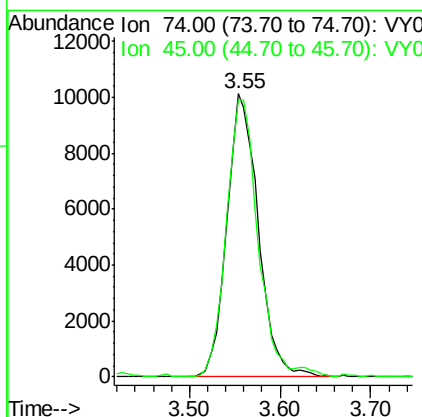
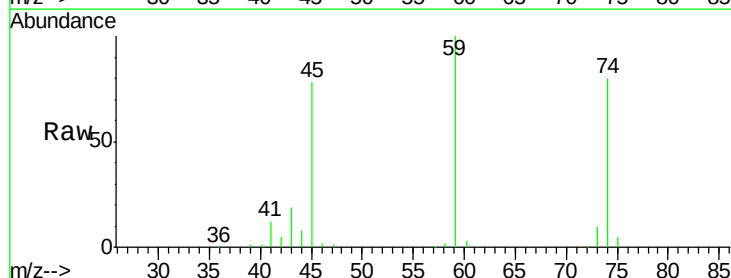
MMDadoda
 3/2/2020 10:35:56 AM

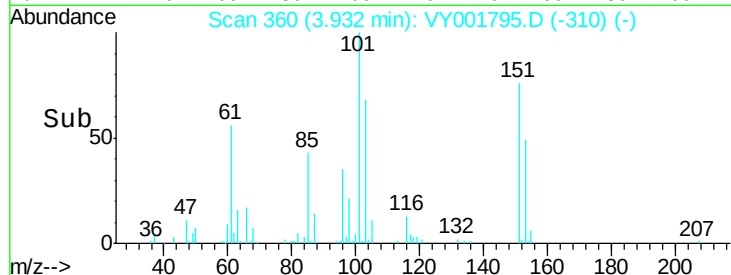
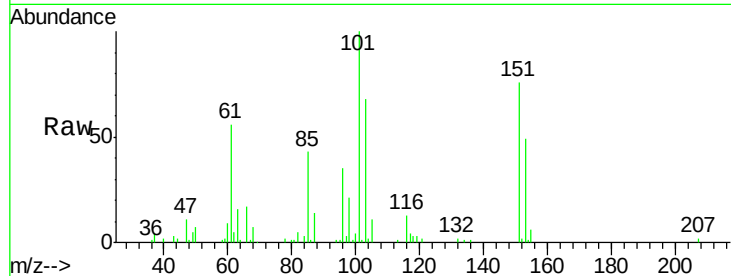
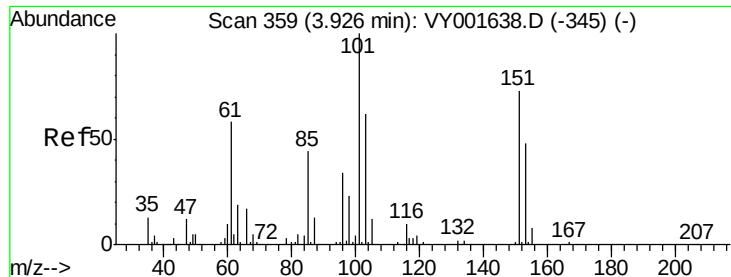


#8

Diethyl Ether
 Concen: 21.095 ug/l
 RT: 3.55 min Scan# 298
 Delta R.T. 0.00 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	49.6	148.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.483 ug/l

RT: 3.93 min Scan# 360

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

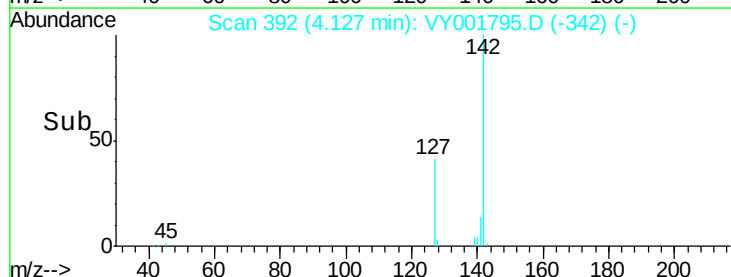
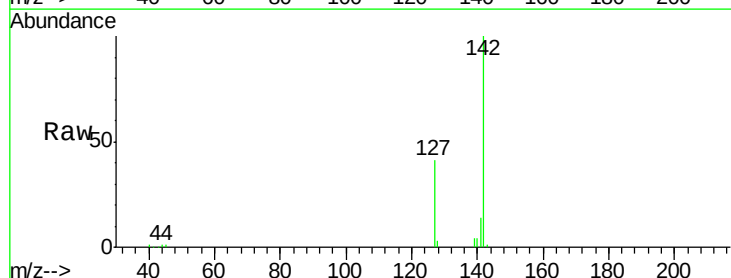
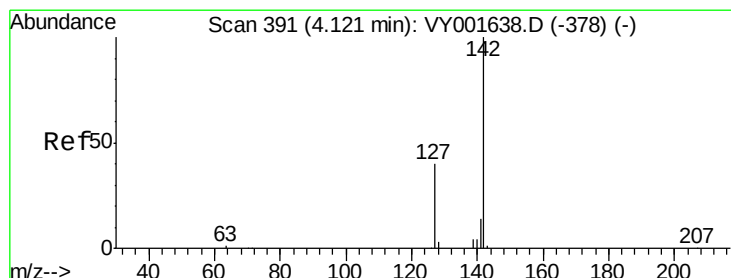
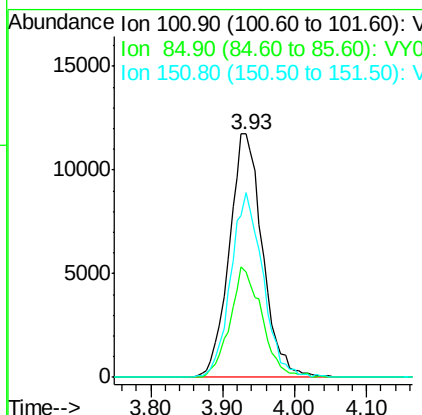
ClientSampleId :

VY0228SBS01

Tot Ion:	101	Resp:	37701
Ion Ratio	Lower	Upper	
101	100		
85	43.3	35.1	52.7
151	73.2	58.4	87.6

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#10

Methyl Iodide

Concen: 19.378 ug/l

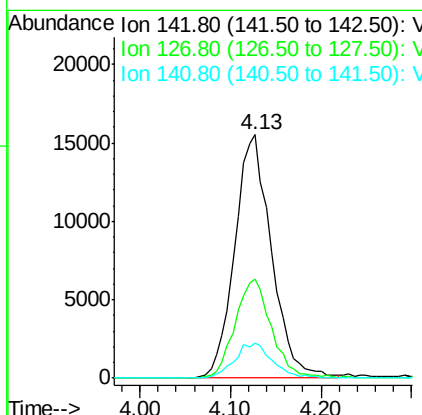
RT: 4.13 min Scan# 392

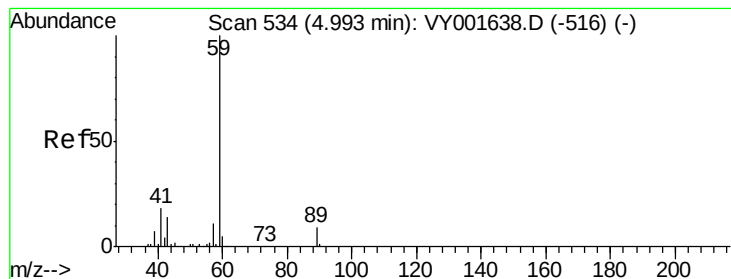
Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	142	Resp:	43651
Ion Ratio	Lower	Upper	
142	100		
127	40.1	32.1	48.1
141	14.6	11.3	16.9





#11

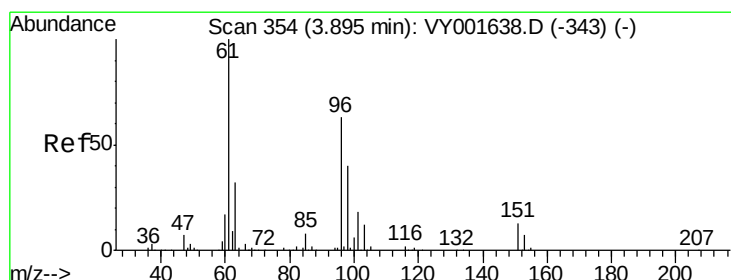
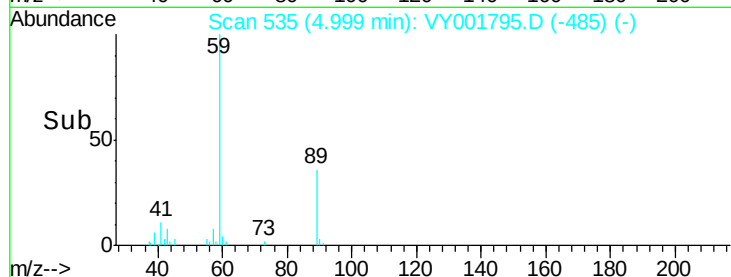
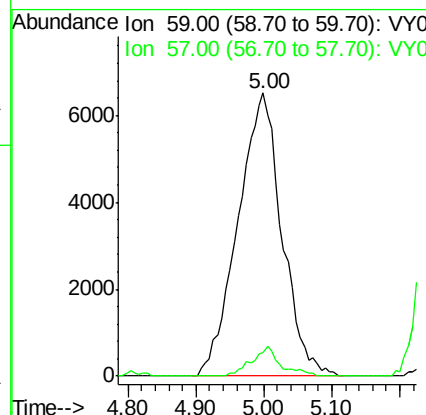
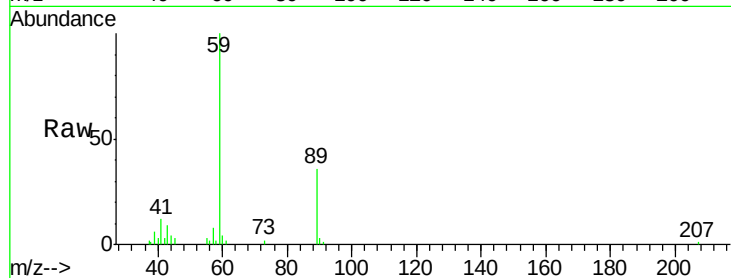
Tert butyl alcohol
Concen: 122.601 ug/l
RT: 5.00 min Scan# 535
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampled :
VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	29215		
57	6.8		7.4	11.2#

Manual Integrations
APPROVED

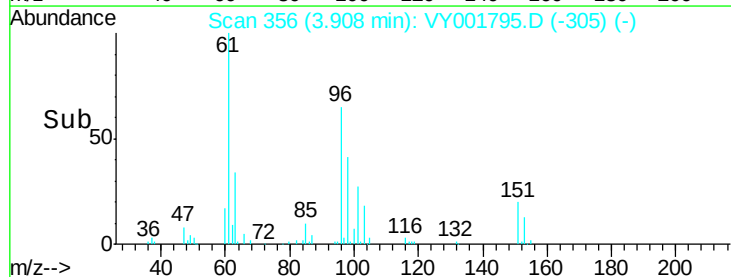
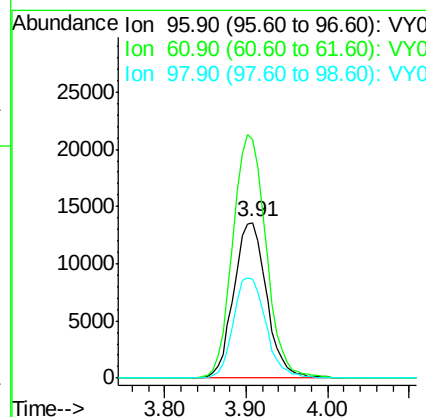
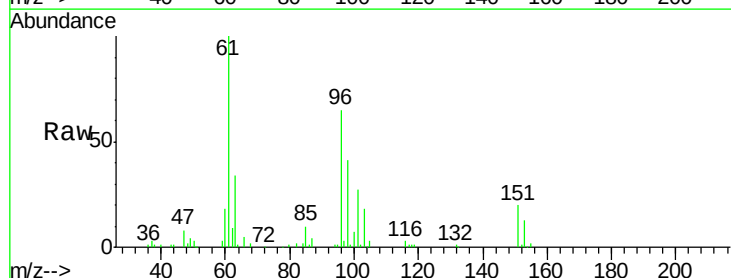
MMDadoda
3/2/2020 10:35:56 AM

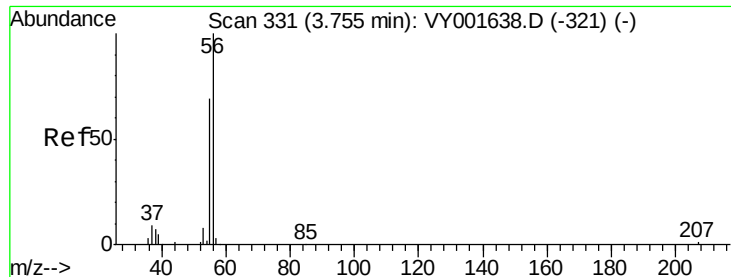


#12

1,1-Dichloroethene
Concen: 20.152 ug/l
RT: 3.91 min Scan# 356
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	37830		
61	152.6		128.7	193.1
98	63.4		50.7	76.1





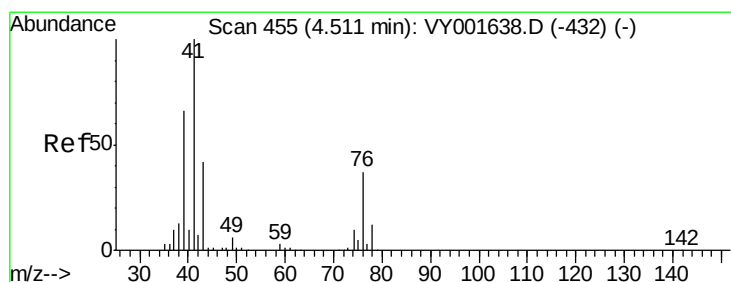
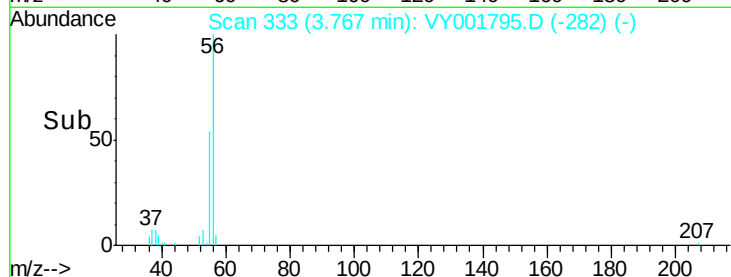
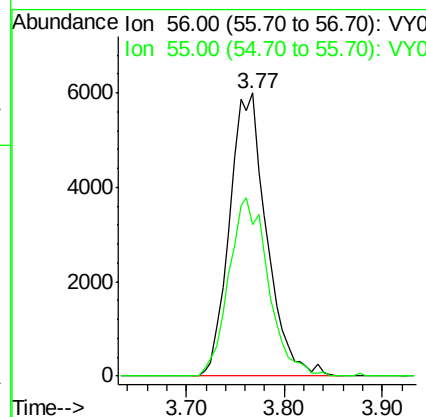
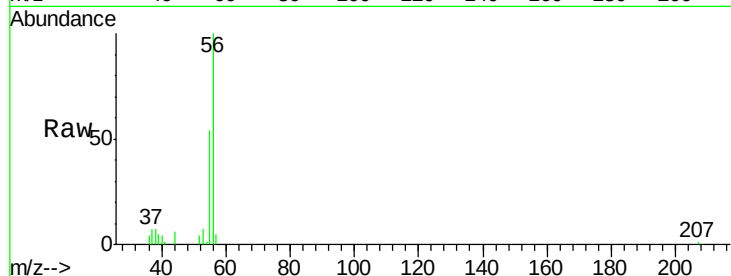
#13
 Acrolein
 Concen: 83.573 ug/l
 RT: 3.77 min Scan# 333
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	56	Resp	15708
Ion Ratio	100	Lower	Upper
56	100		
55	67.2	56.1	84.1

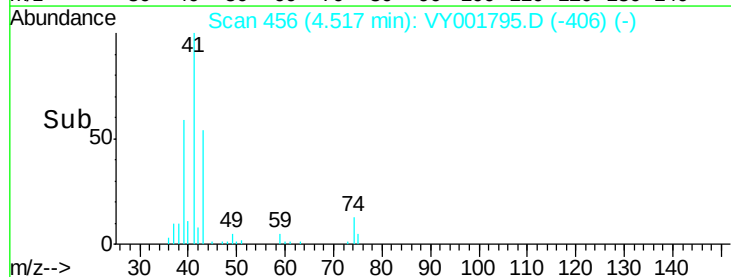
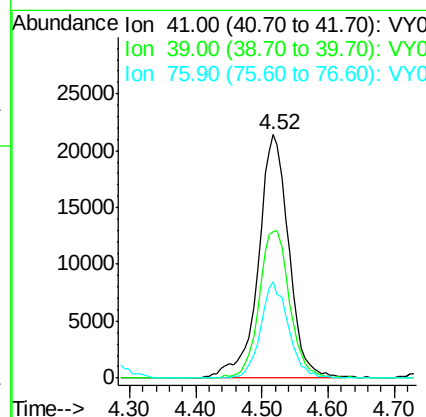
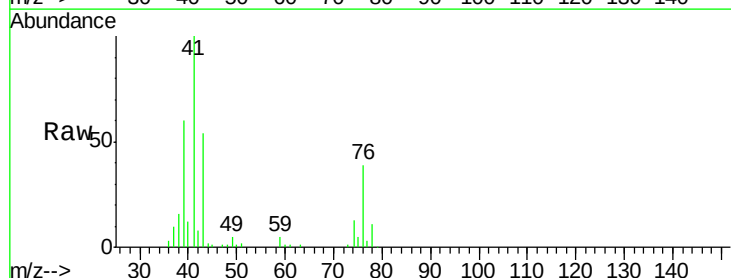
Manual Integrations
 APPROVED

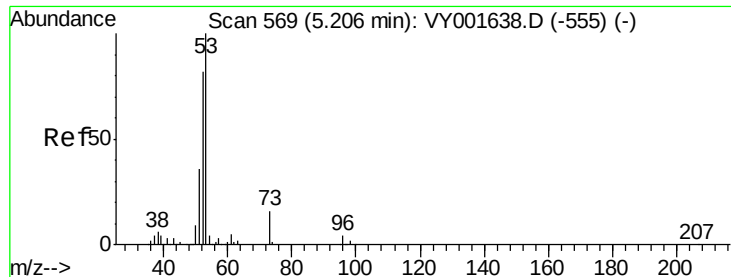
MMDadoda
 3/2/2020 10:35:56 AM



#14
 Allyl chloride
 Concen: 20.530 ug/l
 RT: 4.52 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	41	Resp	68589
Ion Ratio	100	Lower	Upper
41	100		
39	61.0	49.4	74.0
76	35.8	29.0	43.6





#15

Acrylonitrile

Concen: 110.452 ug/l

RT: 5.21 min Scan# 569

Delta R.T. 0.00 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

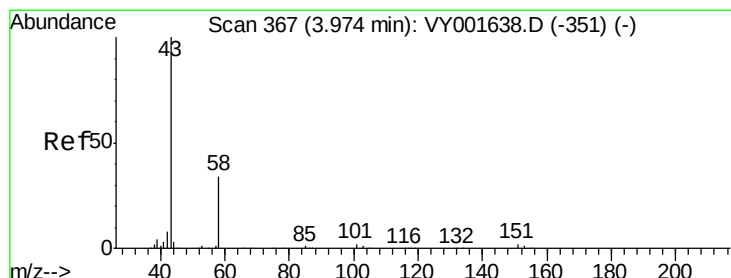
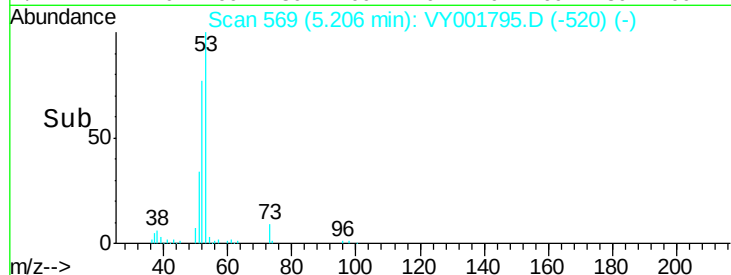
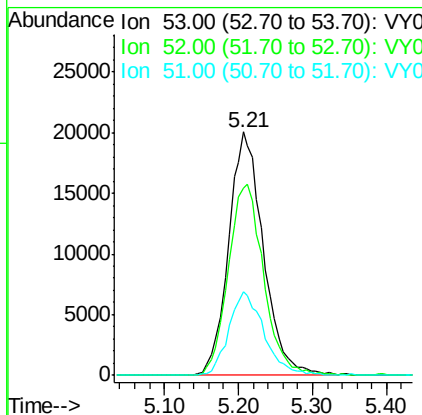
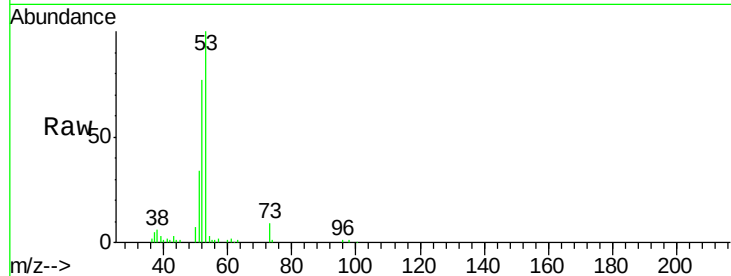
ClientSampleId :

VY0228SBS01

Tot Ion:	53	Resp:	65356
Ion Ratio	Lower	Upper	
53	100		
52	80.3	65.4	98.0
51	34.7	28.0	42.0

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#16

Acetone

Concen: 91.321 ug/l

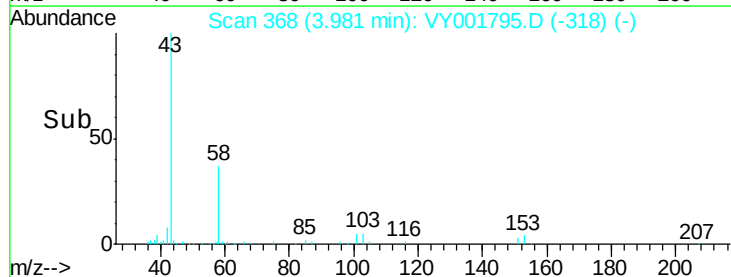
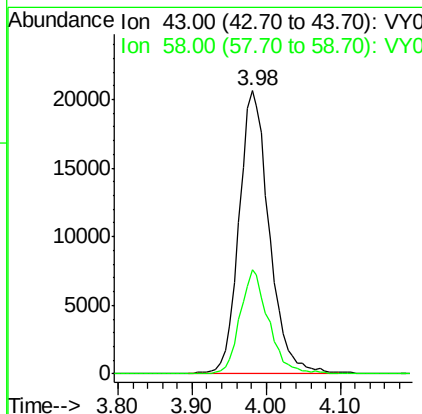
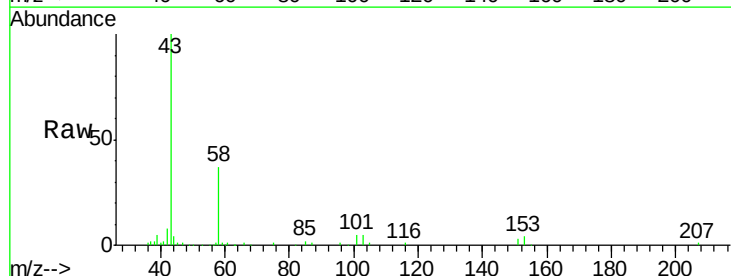
RT: 3.98 min Scan# 368

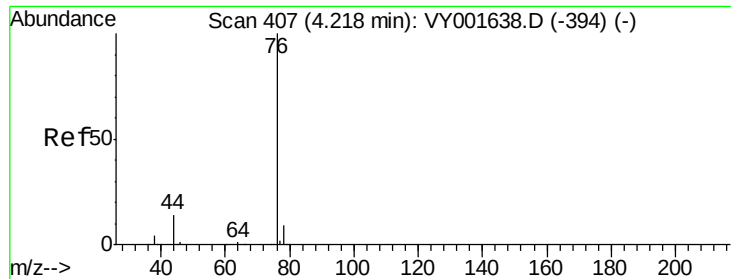
Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	43	Resp:	58805
Ion Ratio	Lower	Upper	
43	100		
58	36.9	27.3	40.9





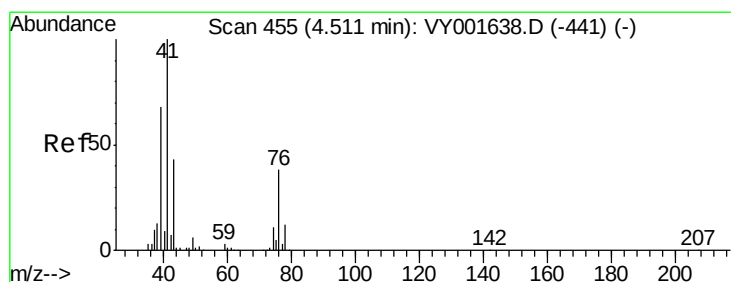
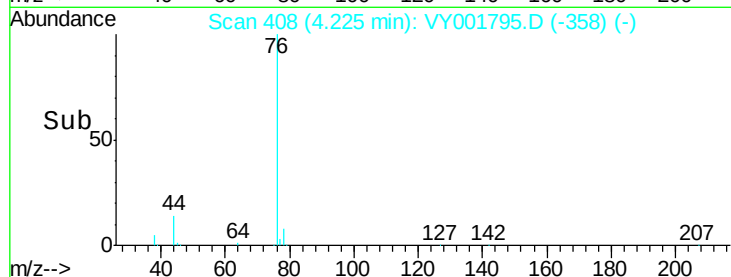
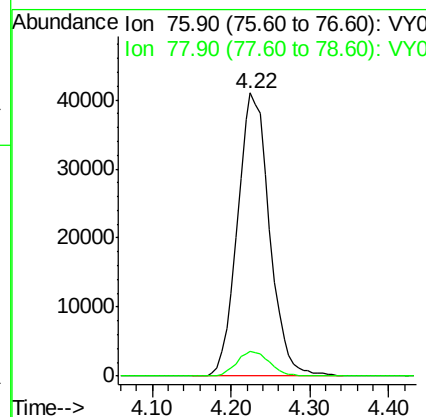
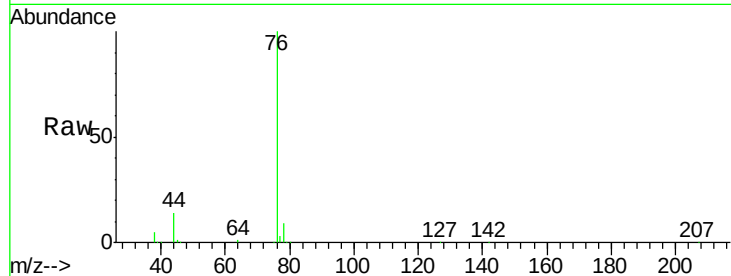
#17
Carbon Disulfide
Concen: 18.476 ug/l
RT: 4.22 min Scan# 408
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.3	10.9

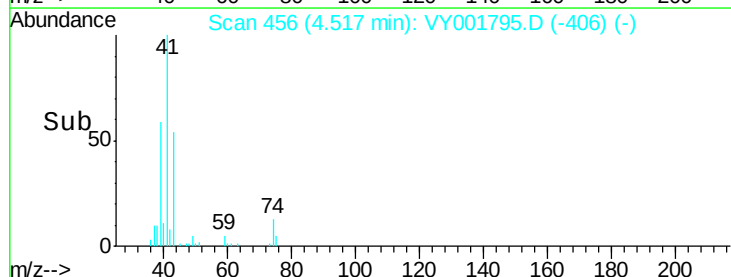
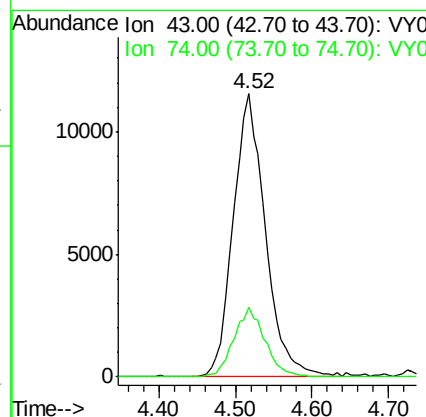
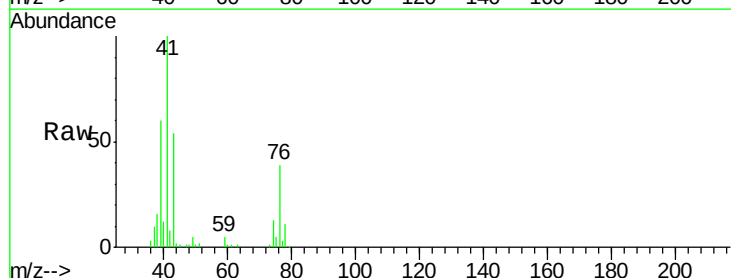
Manual Integrations
APPROVED

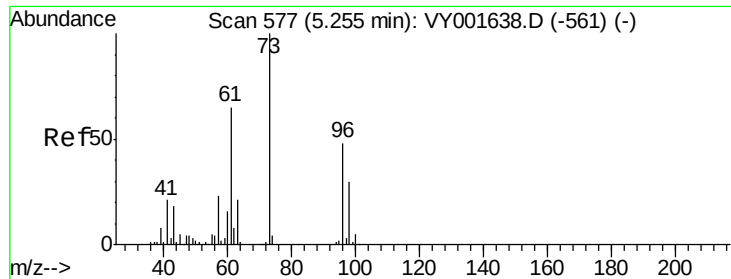
MMDadoda
3/2/2020 10:35:56 AM



#18
Methyl Acetate
Concen: 23.997 ug/l
RT: 4.52 min Scan# 456
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.1	28.7





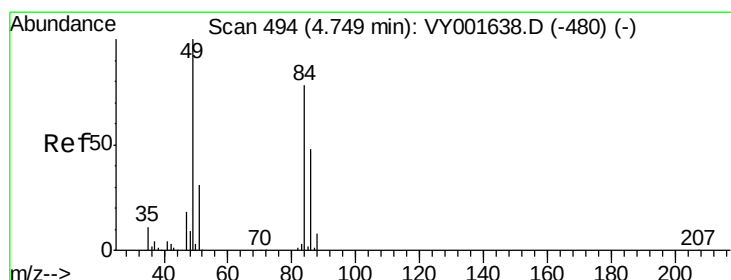
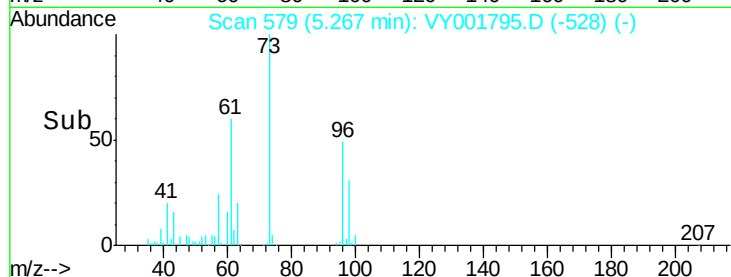
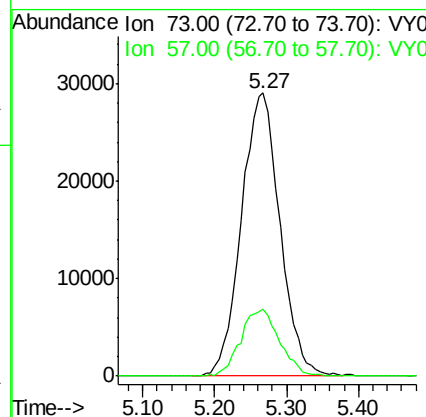
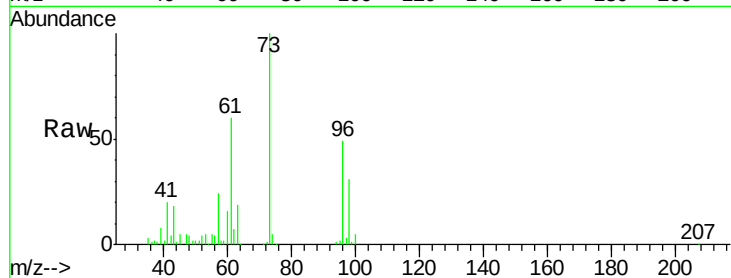
#19
Methyl tert-butyl Ether
Concen: 20.630 ug/l
RT: 5.27 min Scan# 579
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion: 73 Resp: 107827
Ion Ratio Lower Upper
73 100
57 23.9 19.0 28.6

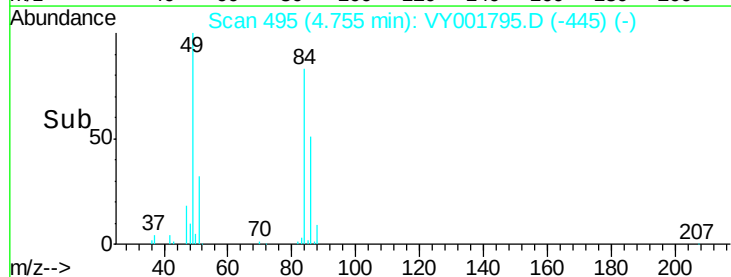
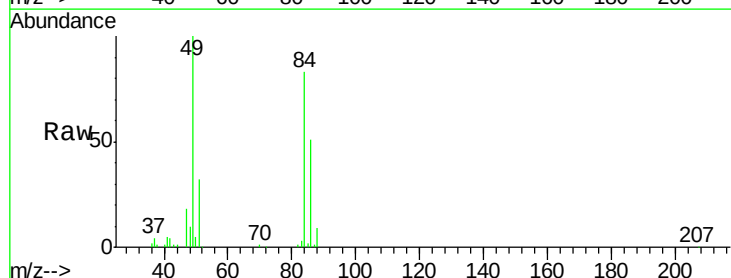
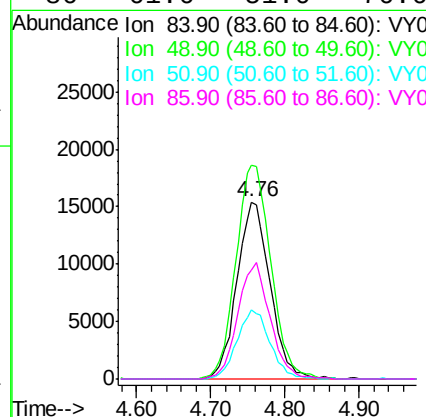
Manual Integrations
APPROVED

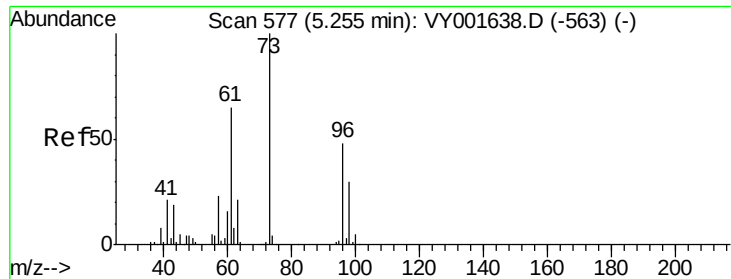
MMDadoda
3/2/2020 10:35:56 AM



#20
Methylene Chloride
Concen: 21.022 ug/l
RT: 4.76 min Scan# 495
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion: 84 Resp: 48082
Ion Ratio Lower Upper
84 100
49 120.6 99.2 148.8
51 39.0 31.5 47.3
86 61.6 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.322 ug/l

RT: 5.27 min Scan# 579

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

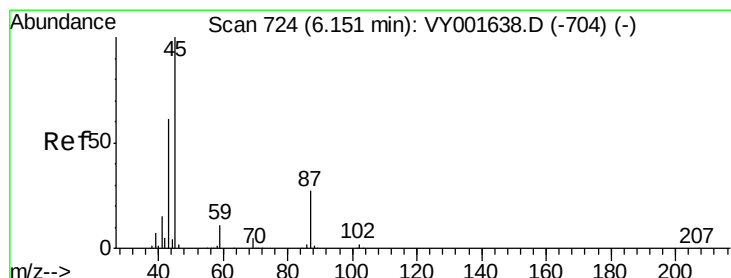
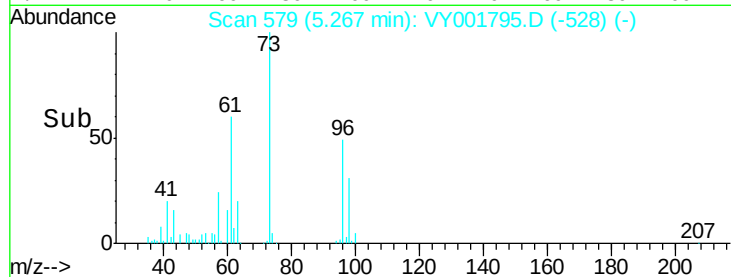
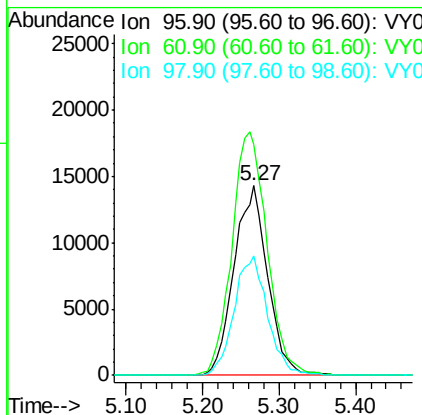
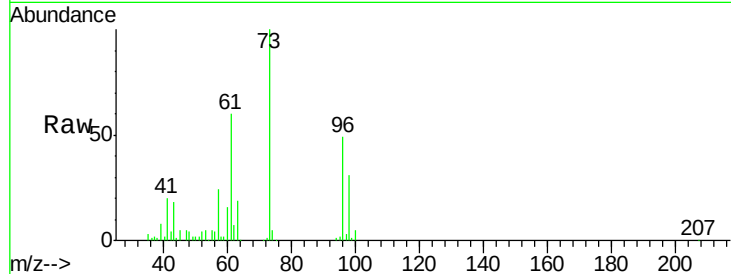
ClientSampleId :

VY0228SBS01

Tot Ion:	96	Resp:	43525
Ion	Ratio	Lower	Upper
96	100		
61	121.8	107.9	161.9
98	63.2	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#22

Diisopropyl ether

Concen: 20.848 ug/l

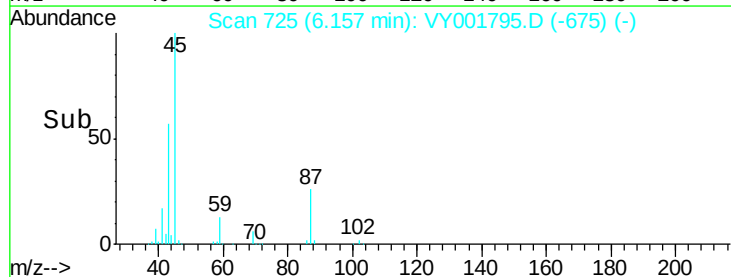
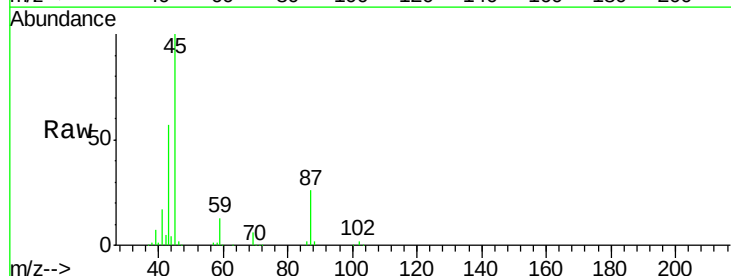
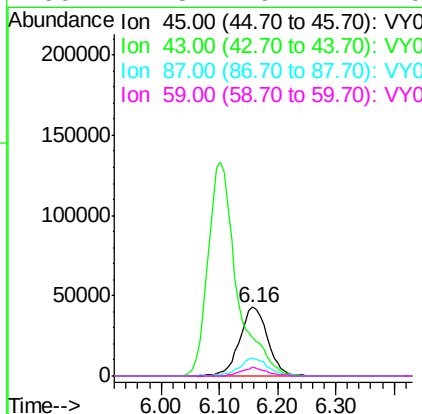
RT: 6.16 min Scan# 725

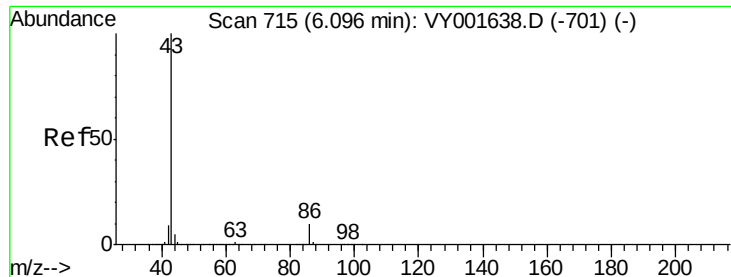
Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	45	Resp:	143042
Ion	Ratio	Lower	Upper
45	100		
43	56.3	46.4	69.6
87	26.5	22.1	33.1
59	12.8	9.4	14.0





#23

Vinyl Acetate

Concen: 101.467 ug/l

RT: 6.10 min Scan# 716

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion: 43 Resp: 454107

Ion Ratio Lower Upper

43 100

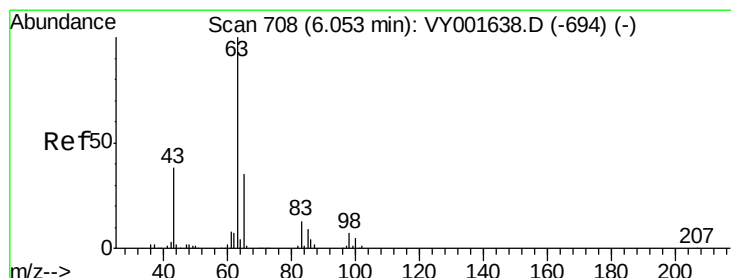
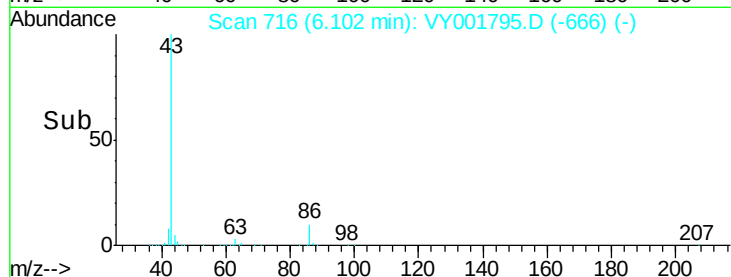
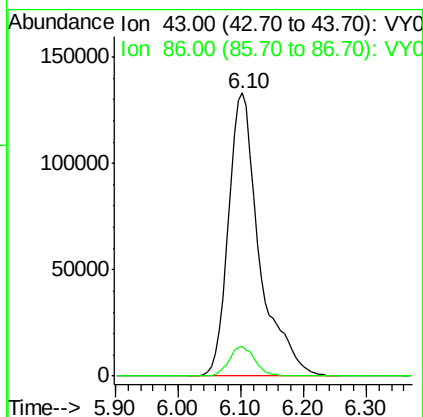
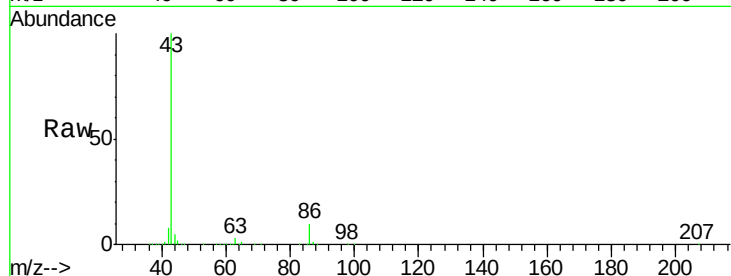
86 10.5 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

3/2/2020 10:35:56 AM



#24

1,1-Dichloroethane

Concen: 20.676 ug/l

RT: 6.06 min Scan# 709

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

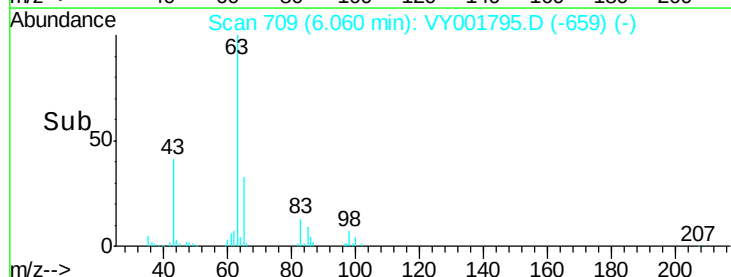
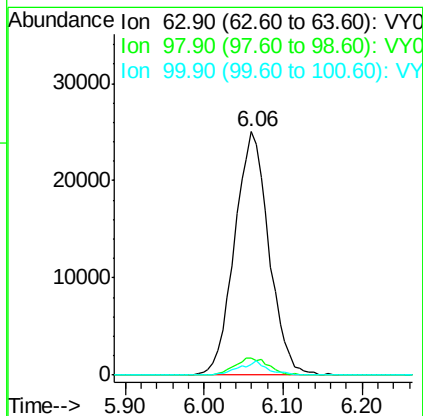
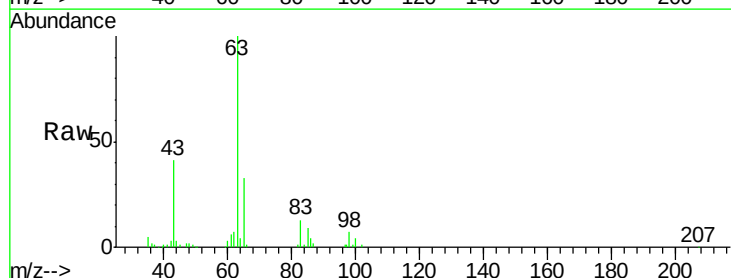
Tgt Ion: 63 Resp: 75822

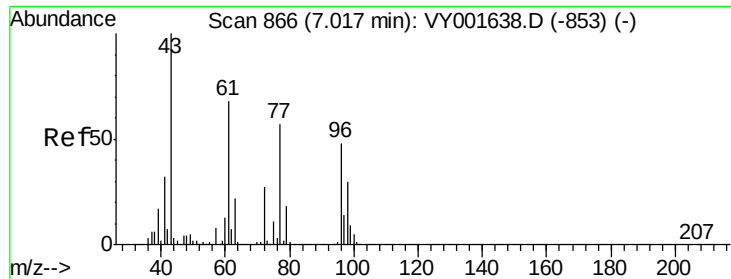
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.3 6.9





#25

2-Butanone

Concen: 99.589 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

ClientSampled :

VY0228SBS01

Tot Ion: 43 Resp: 87117

Ion Ratio Lower Upper

43 100

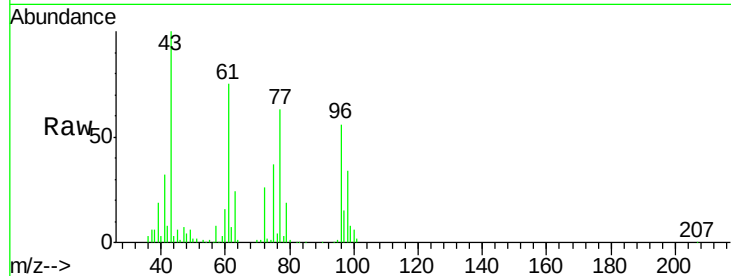
72 26.0 21.2 31.8

Manual Integrations

APPROVED

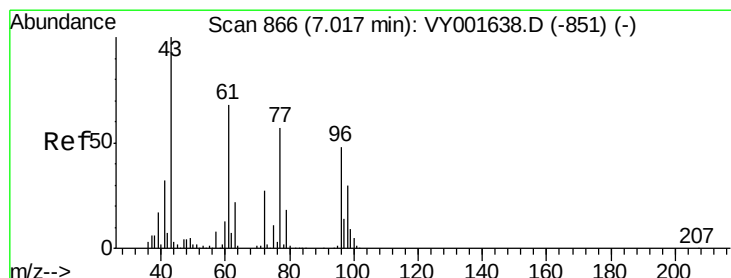
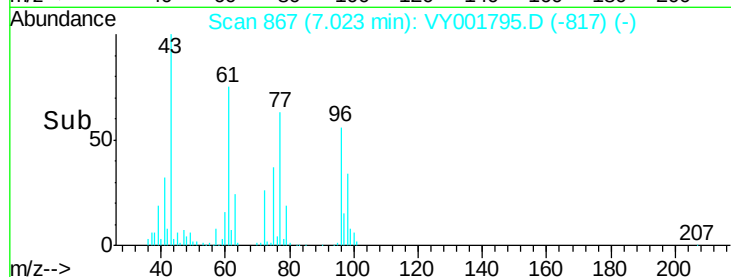
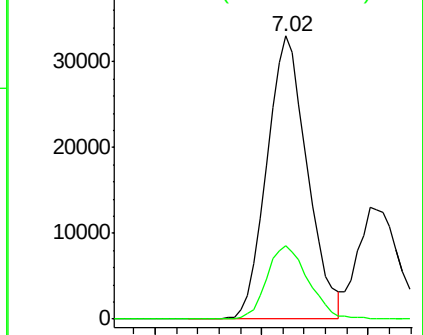
MMDadoda

3/2/2020 10:35:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 19.956 ug/l

RT: 7.02 min Scan# 867

Delta R.T. 0.01 min

Lab File: VY001795.D

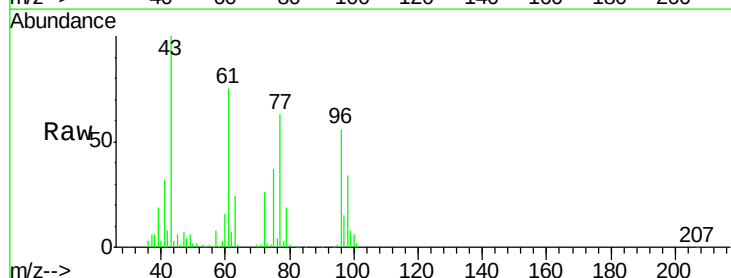
Acq: 28 Feb 2020 11:24

Tgt Ion: 77 Resp: 63669

Ion Ratio Lower Upper

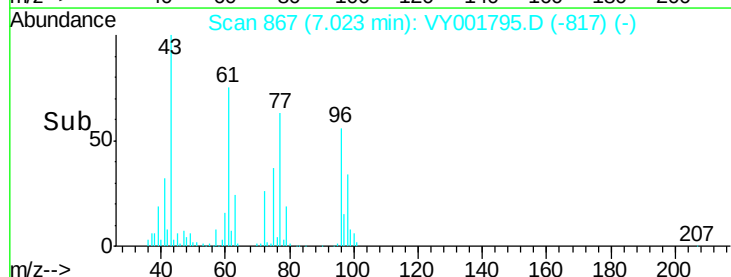
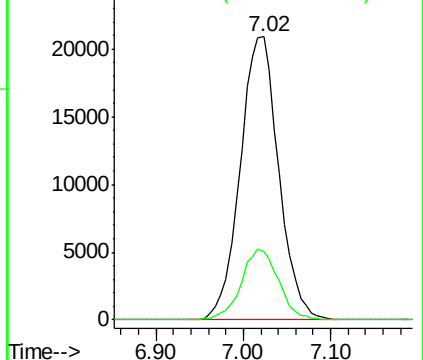
77 100

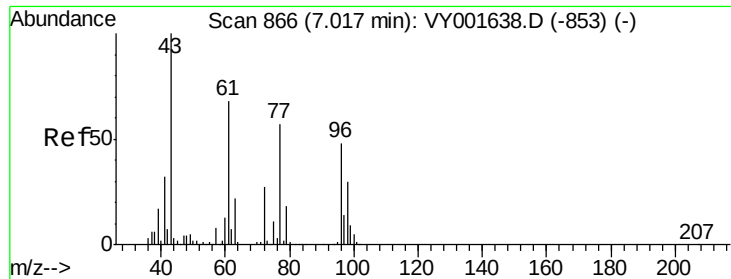
97 24.2 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

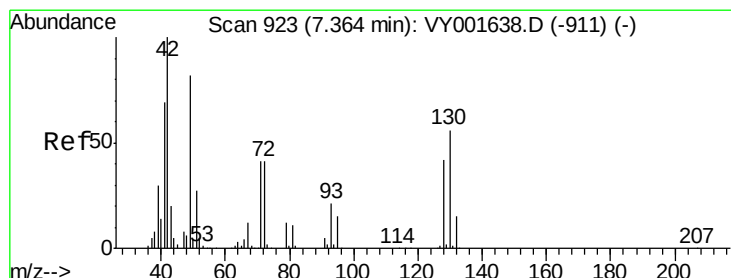
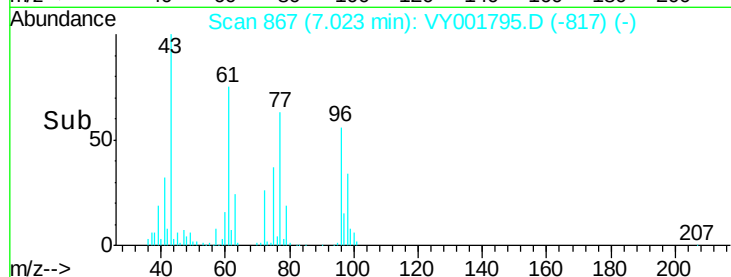
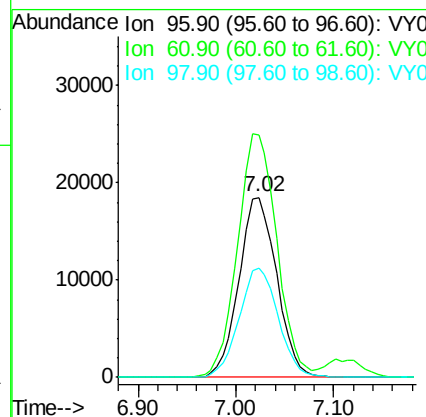
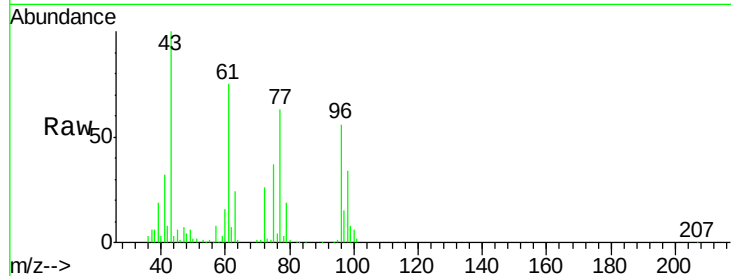
cis-1,2-Dichloroethene
Concen: 20.941 ug/l
RT: 7.02 min Scan# 867
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	290.8
98	62.7	0.0	128.6

Manual Integrations
APPROVED

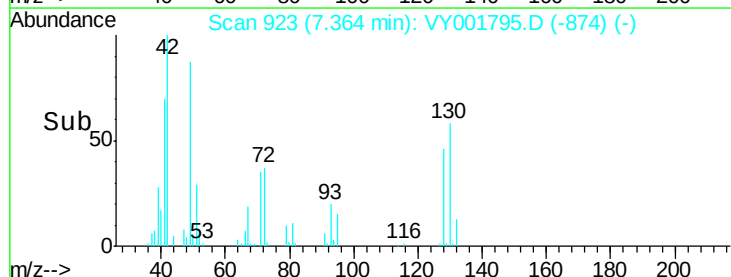
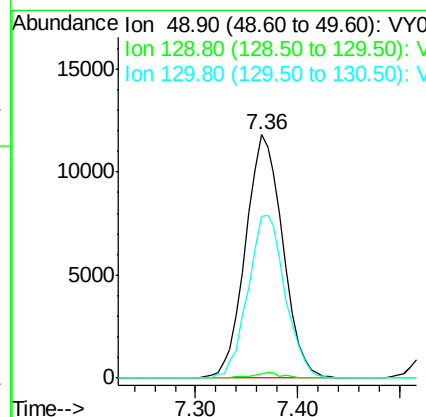
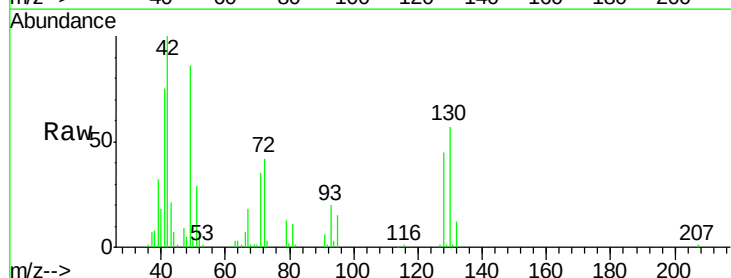
MMDadoda
3/2/2020 10:35:56 AM

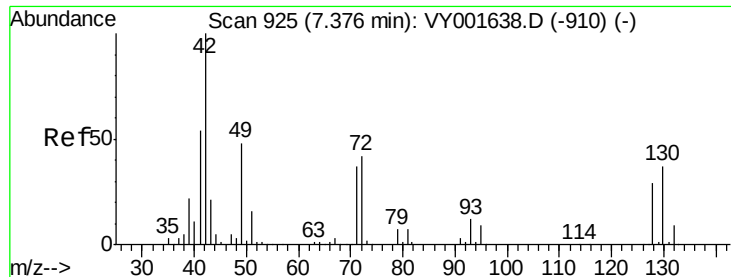


#28

Bromochloromethane
Concen: 19.598 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.6
130	66.6	56.2	84.4





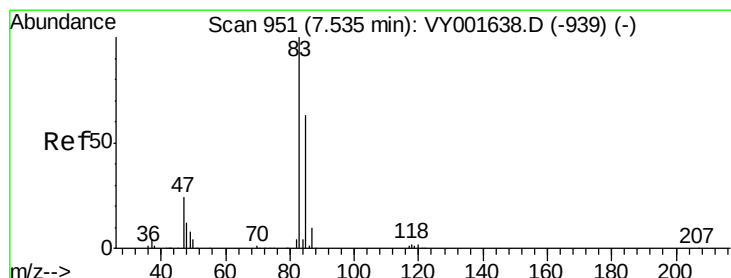
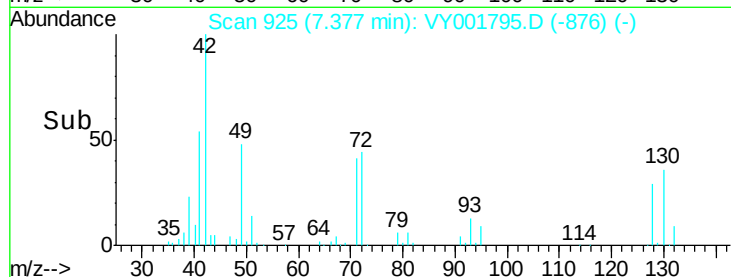
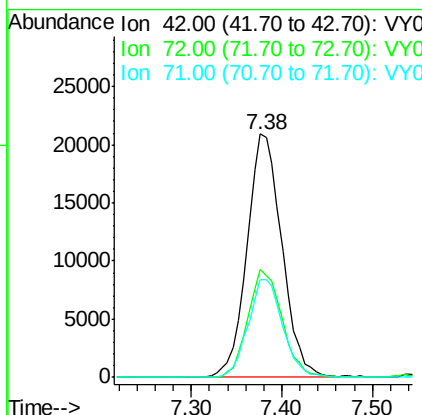
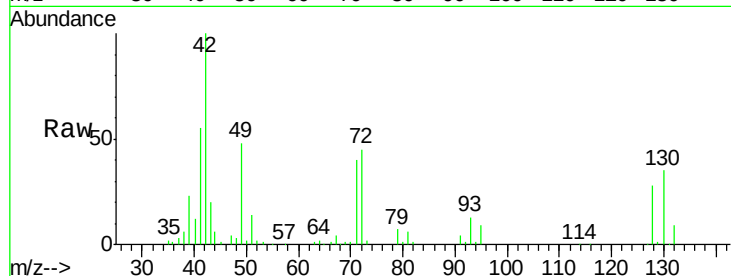
#29
Tetrahydrofuran
Concen: 105.367 ug/l
RT: 7.38 min Scan# 925
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	34.4	51.6
71	39.7	31.8	47.8

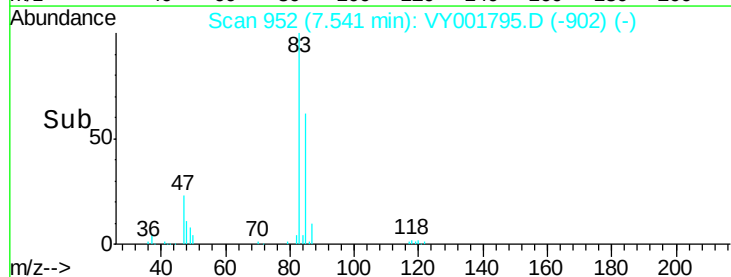
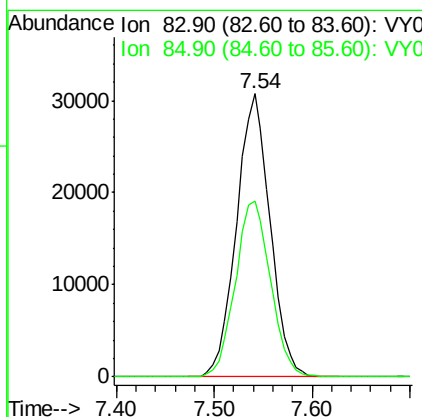
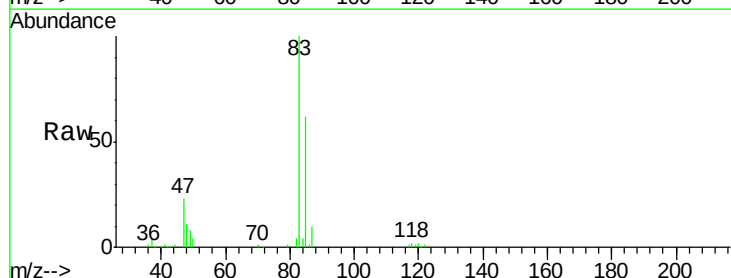
Manual Integrations
APPROVED

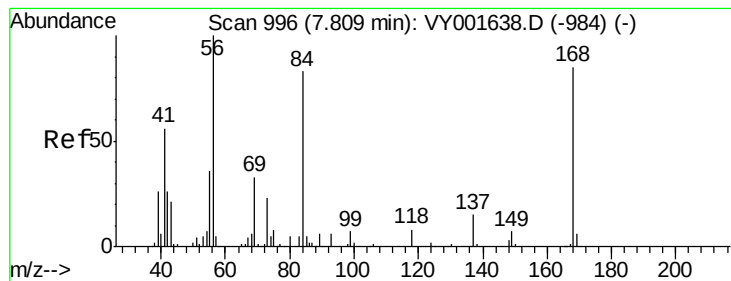
MMDadoda
3/2/2020 10:35:56 AM



#30
Chloroform
Concen: 20.440 ug/l
RT: 7.54 min Scan# 952
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.6	77.4





#31

Cyclohexane

Concen: 19.777 ug/l

RT: 7.81 min Scan# 996

Delta R.T. 0.00 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

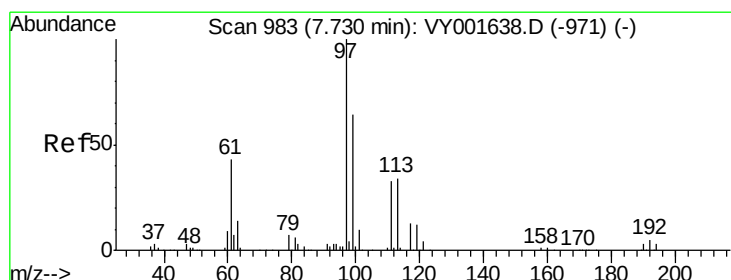
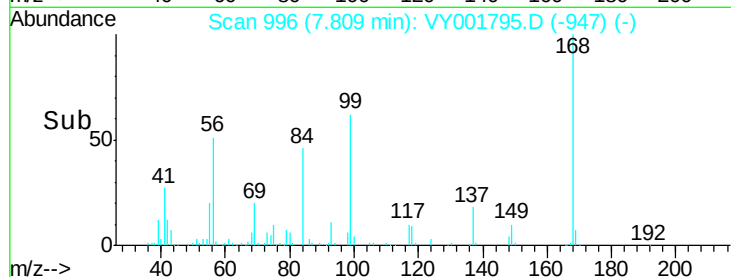
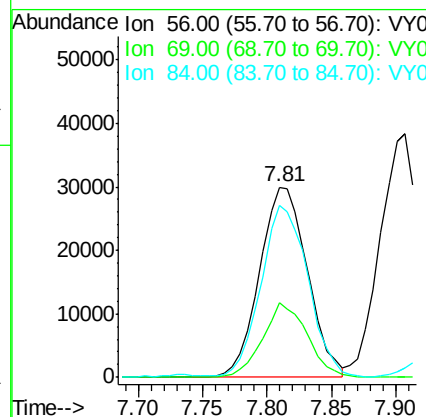
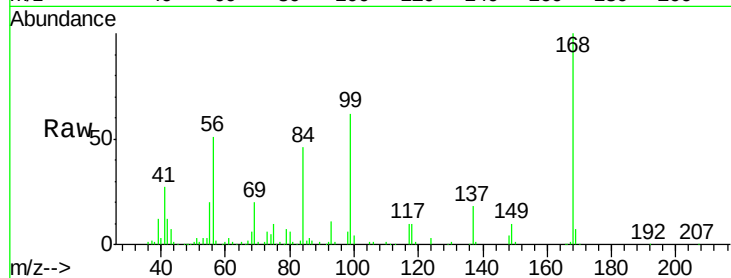
ClientSampleId :

VY0228SBS01

Tot Ion:	56	Resp:	77326
Ion Ratio	Lower	Upper	
56	100		
69	39.4	25.1	37.7#
84	89.8	66.9	100.3

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#32

1,1,1-Trichloroethane

Concen: 20.282 ug/l

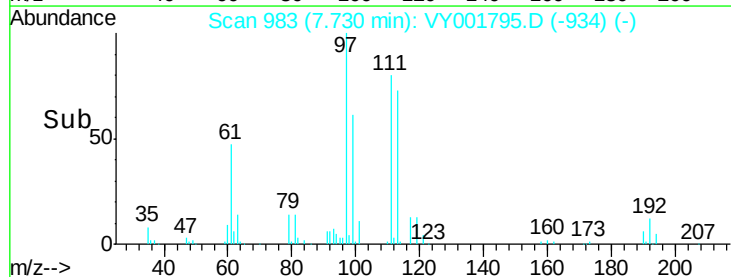
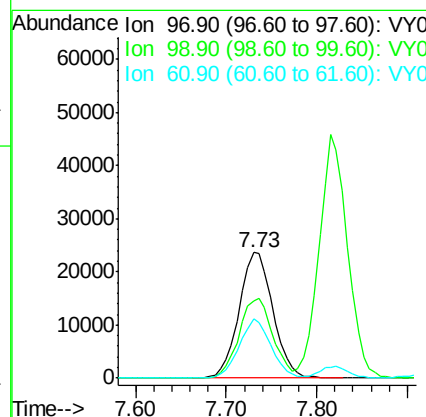
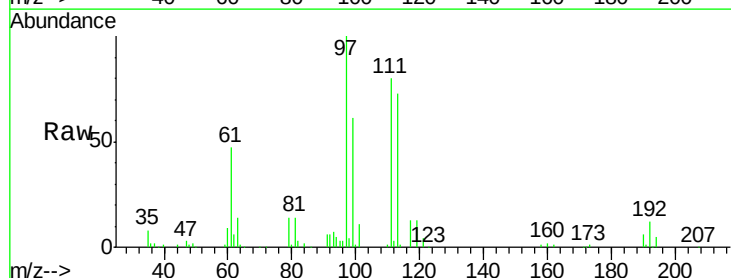
RT: 7.73 min Scan# 983

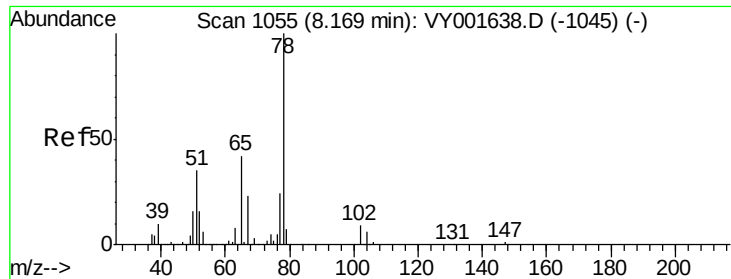
Delta R.T. 0.00 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	97	Resp:	61079
Ion Ratio	Lower	Upper	
97	100		
99	63.4	51.2	76.8
61	44.4	35.0	52.6





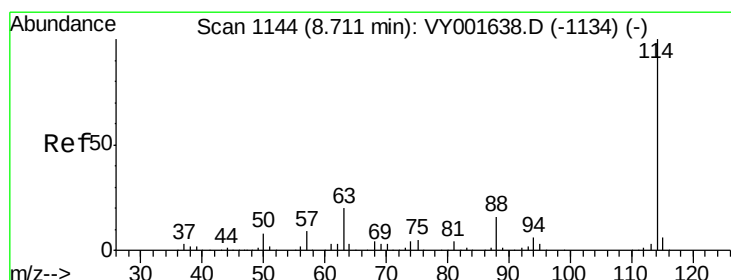
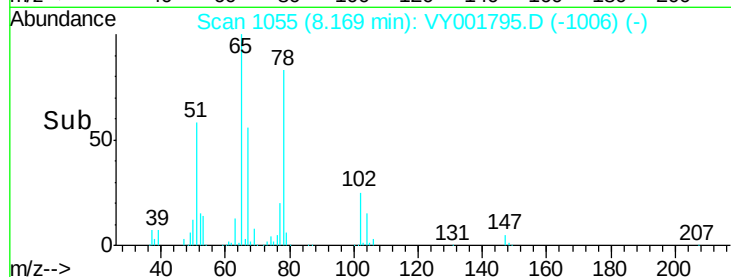
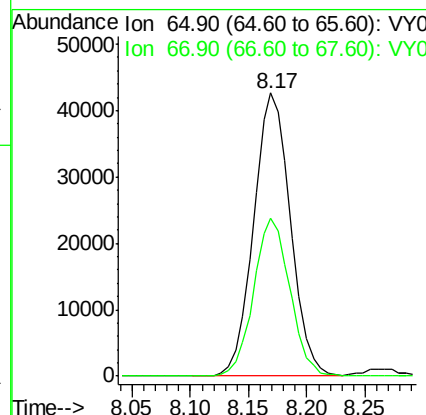
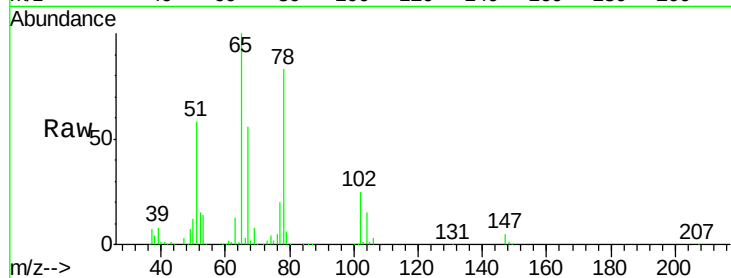
#33
 1,2-Dichloroethane-d4
 Concen: 50.413 ug/l
 RT: 8.17 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	111.0	

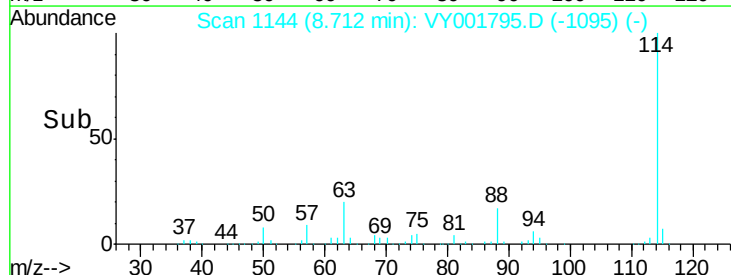
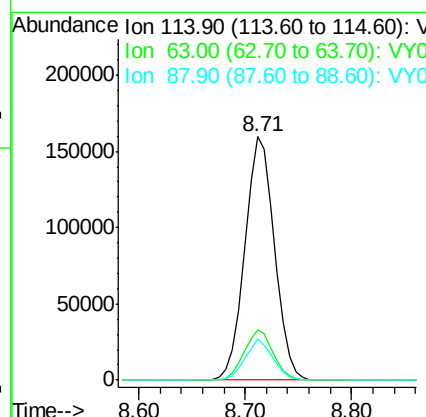
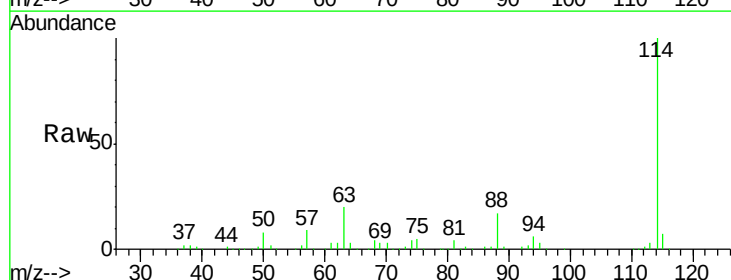
Manual Integrations
 APPROVED

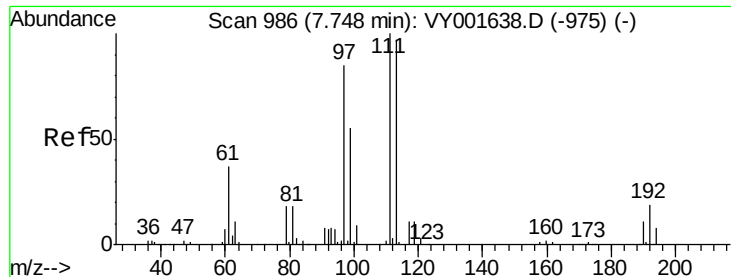
MMDadoda
 3/2/2020 10:35:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	41.4	
88	16.8	0.0	32.8	





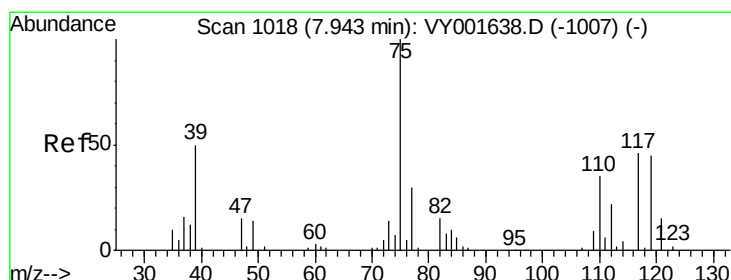
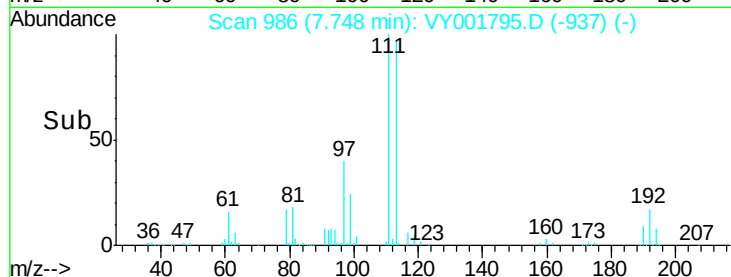
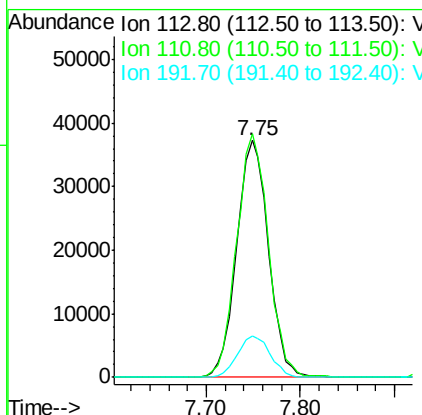
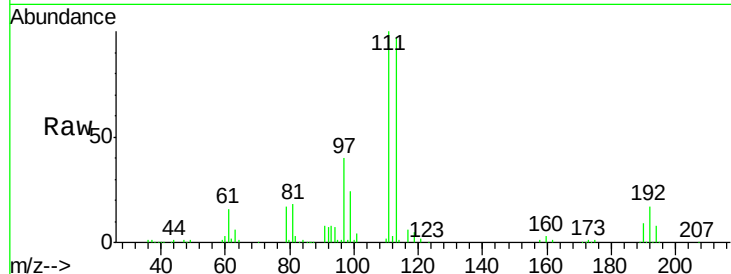
#35
 Dibromofluoromethane
 Concen: 49.156 ug/l
 RT: 7.75 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.9	122.9
192	18.1	14.3	21.5

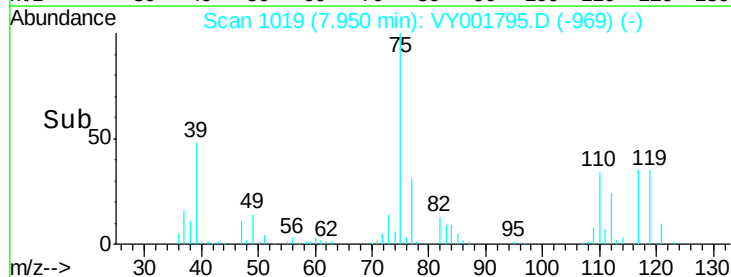
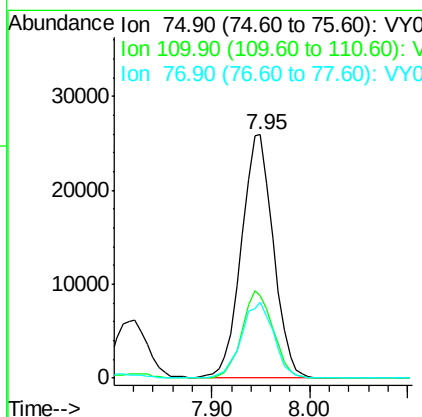
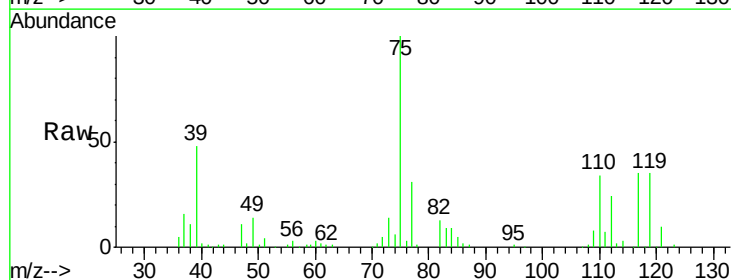
Manual Integrations
 APPROVED

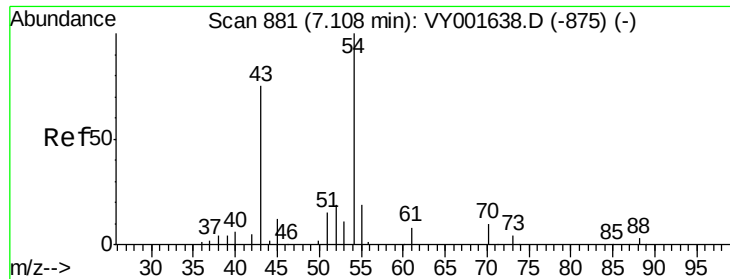
MMDadoda
 3/2/2020 10:35:56 AM



#36
 1,1-Dichloropropene
 Concen: 19.804 ug/l
 RT: 7.95 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.6
77	31.7	24.8	37.2





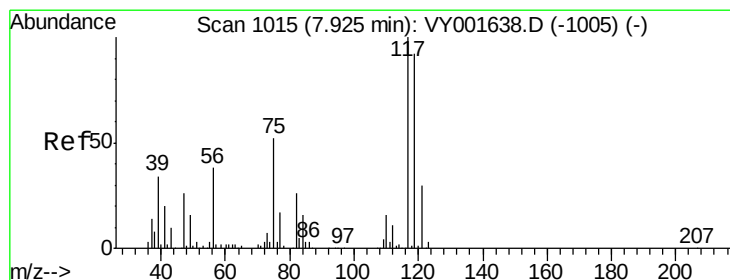
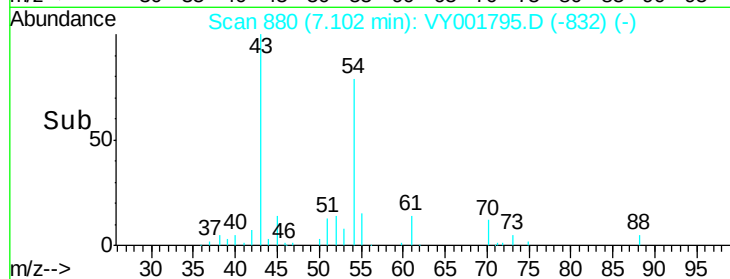
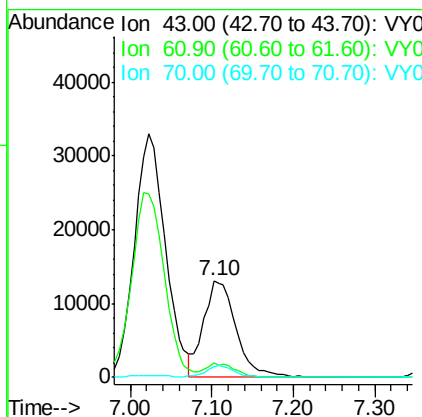
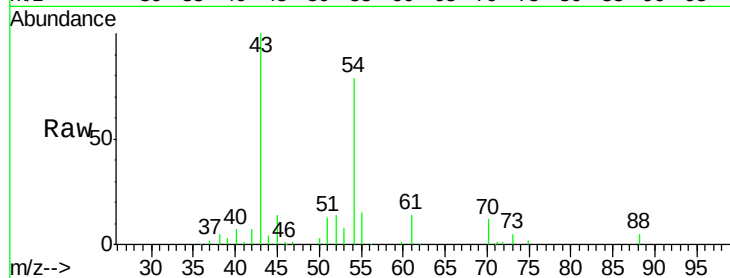
#37
Ethyl Acetate
Concen: 20.574 ug/l
RT: 7.10 min Scan# 880
Delta R.T. -0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.6
70	10.6	8.8	13.2

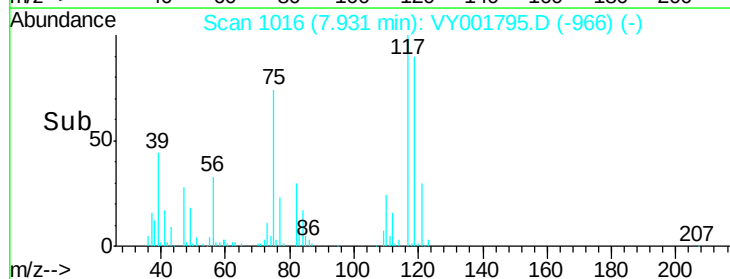
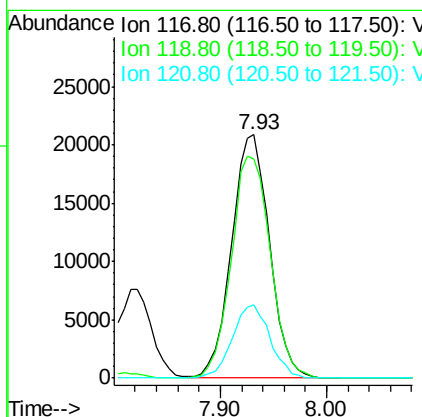
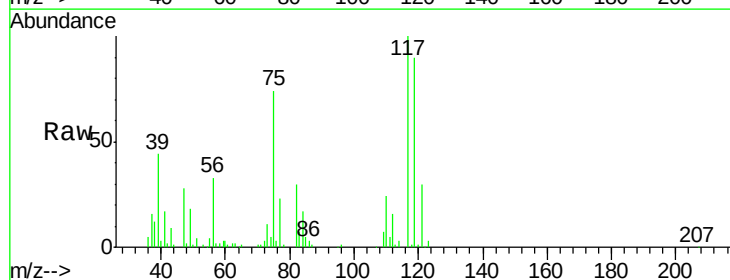
Manual Integrations
APPROVED

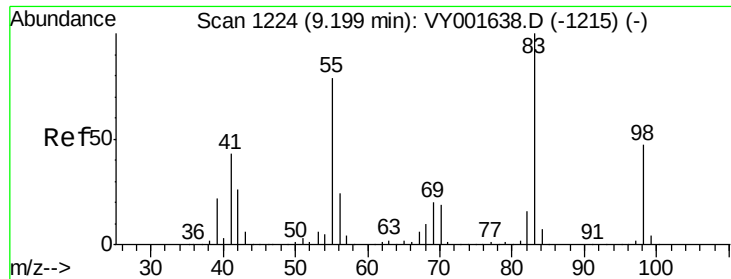
MMDadoda
3/2/2020 10:35:56 AM



#38
Carbon Tetrachloride
Concen: 19.923 ug/l
RT: 7.93 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.3	74.8	112.2
121	30.1	23.8	35.6





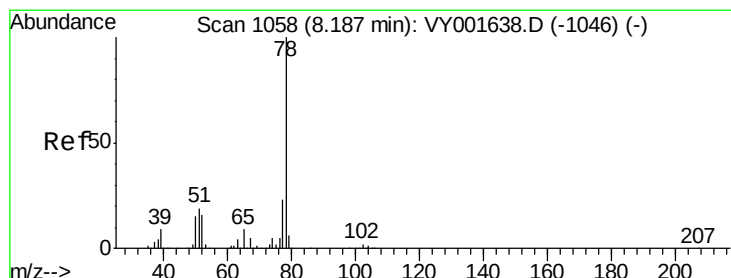
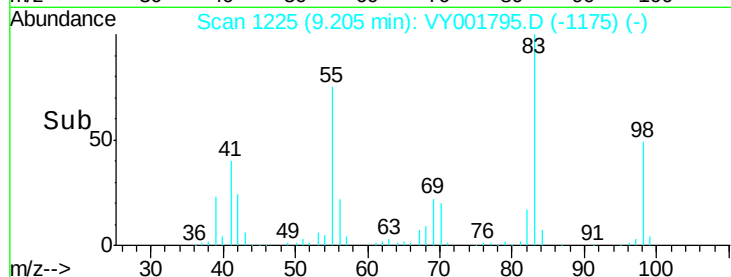
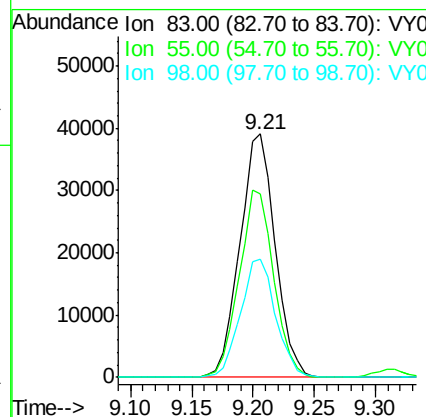
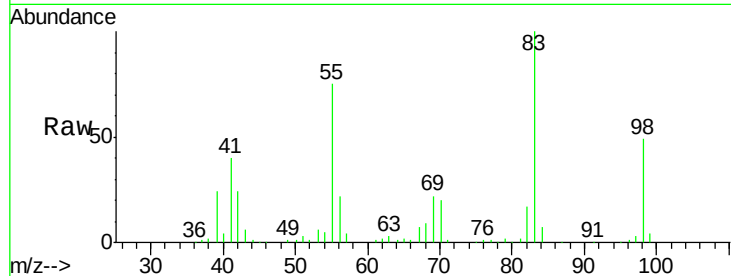
#39
Methylvlcyclohexane
Concen: 19.803 ug/l
RT: 9.21 min Scan# 1225
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.5	61.3	91.9
98	48.8	38.0	57.0

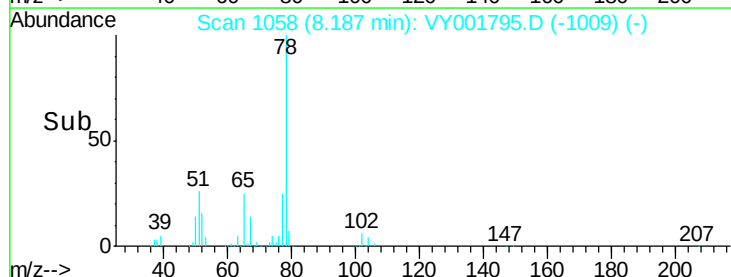
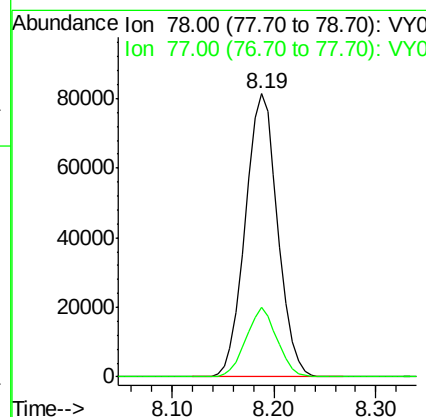
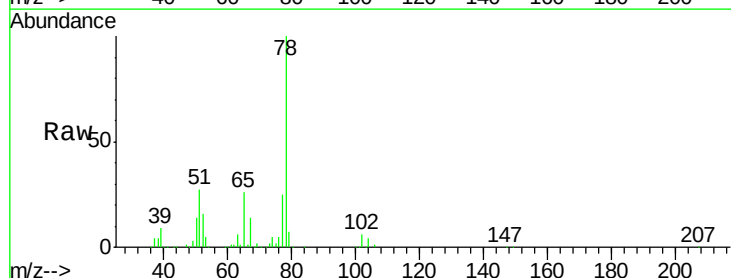
Manual Integrations
APPROVED

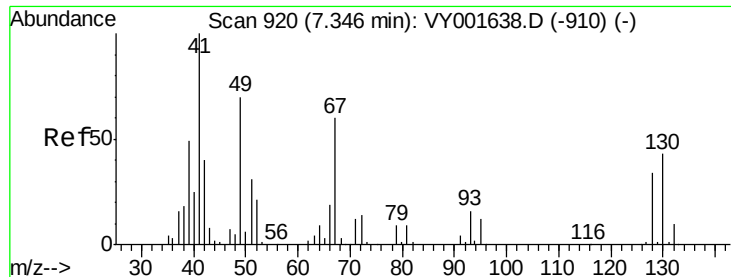
MMDadoda
3/2/2020 10:35:56 AM



#40
Benzene
Concen: 20.453 ug/l
RT: 8.19 min Scan# 1058
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.2	27.4





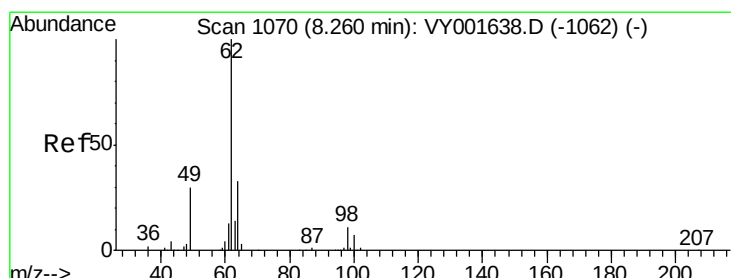
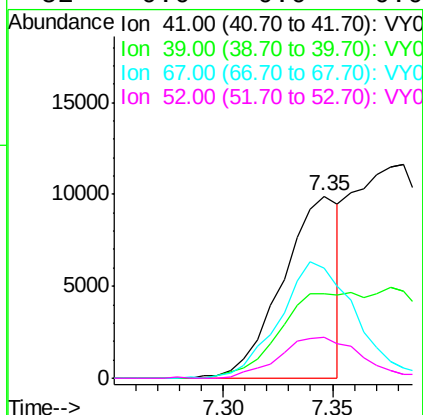
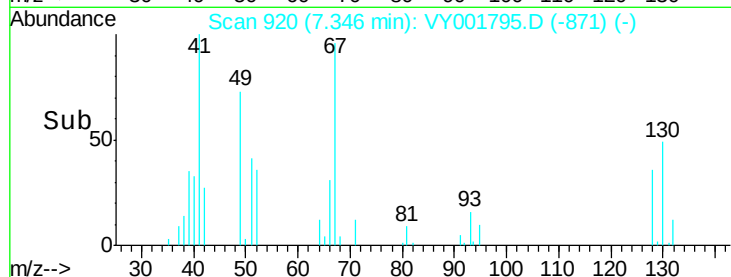
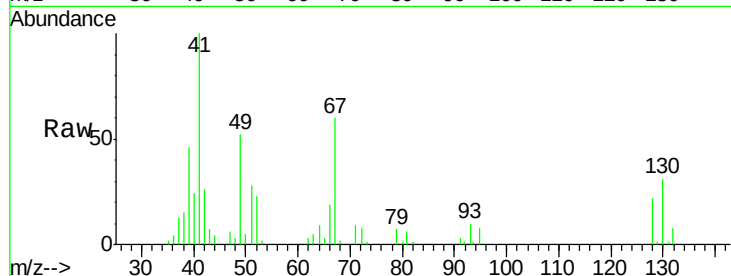
#41
Methacrylonitrile
Concen: 20.211 ug/l m
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	41	Resp	18042
Ion Ratio	Lower	Upper	
41	100		
39	0.0	36.0	54.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

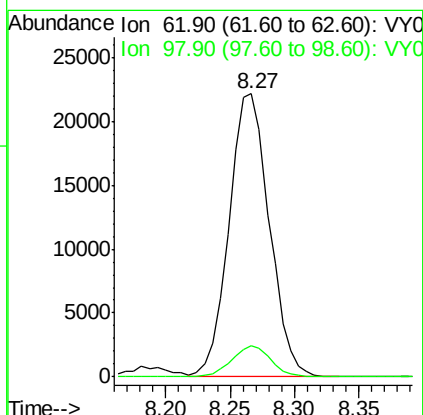
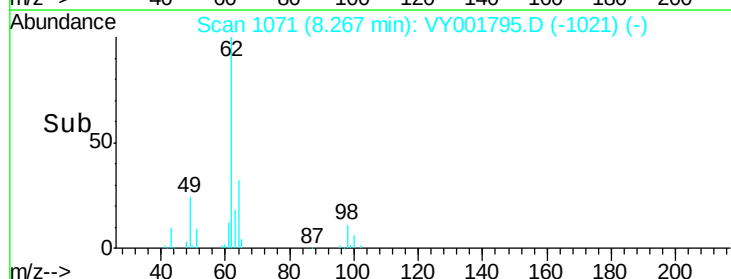
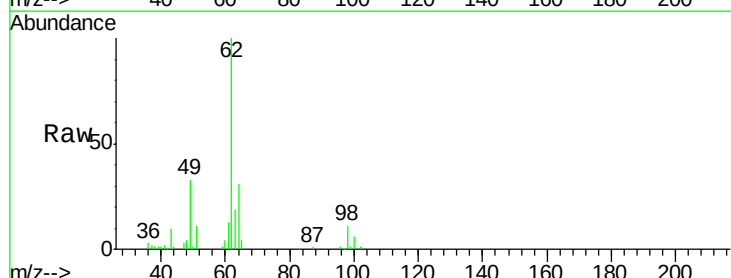
Manual Integrations
APPROVED

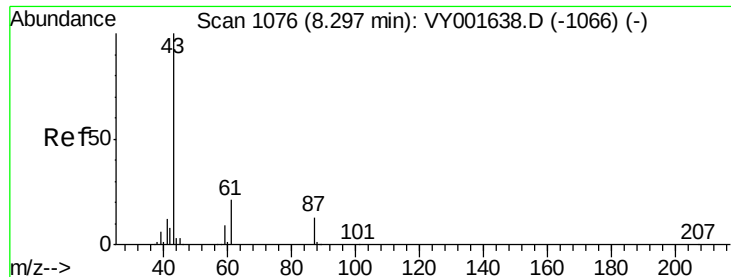
MMDadoda
3/2/2020 10:35:56 AM



#42
1,2-Dichloroethane
Concen: 20.168 ug/l
RT: 8.27 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	62	Resp	48134
Ion Ratio	Lower	Upper	
62	100		
98	10.4	0.0	20.8





#43

Isopropyl Acetate

Concen: 20.454 ug/l

RT: 8.30 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

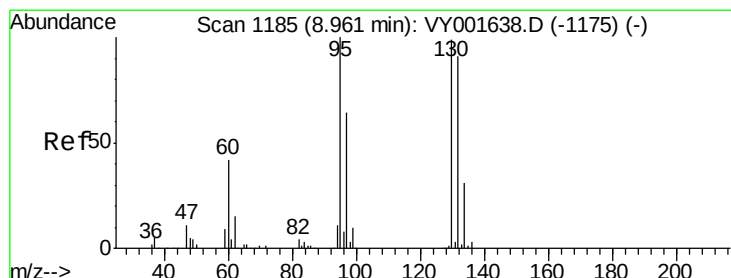
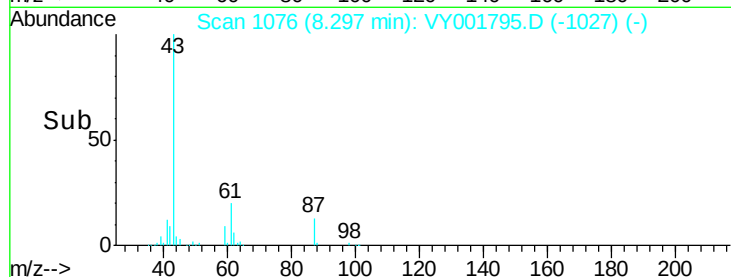
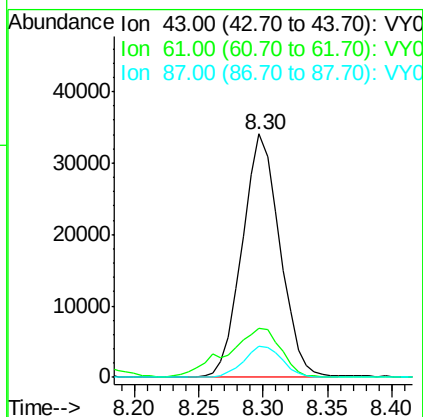
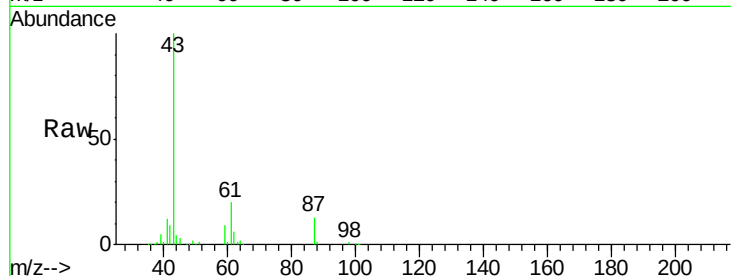
ClientSampleId :

VY0228SBS01

Tot Ion:	43	Resp:	68996
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.4
87	13.1	10.7	16.1

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#44

Trichloroethene

Concen: 20.209 ug/l

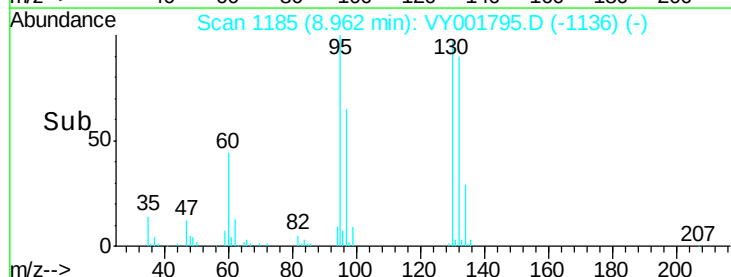
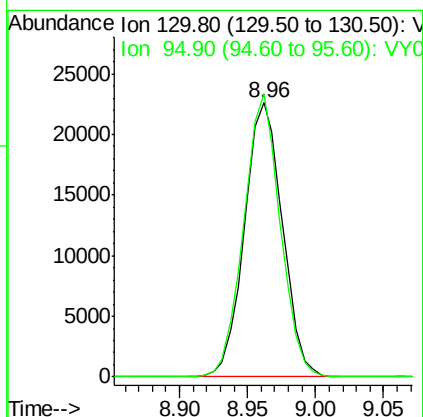
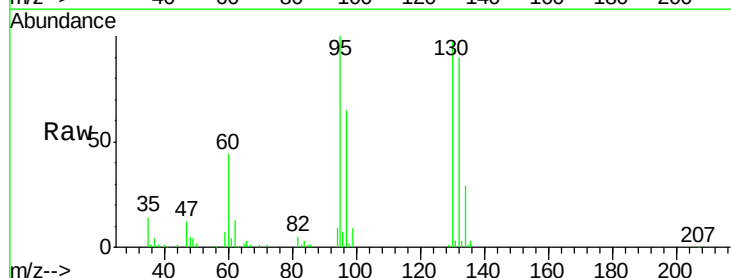
RT: 8.96 min Scan# 1185

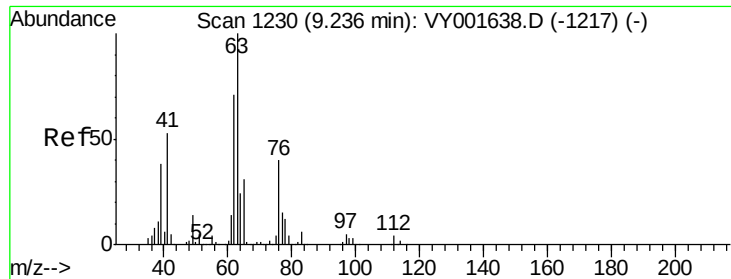
Delta R.T. 0.00 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	130	Resp:	44196
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	200.6





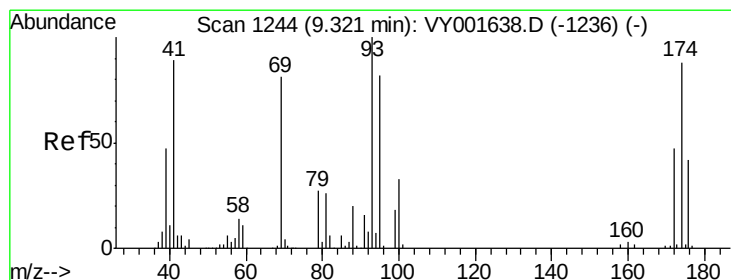
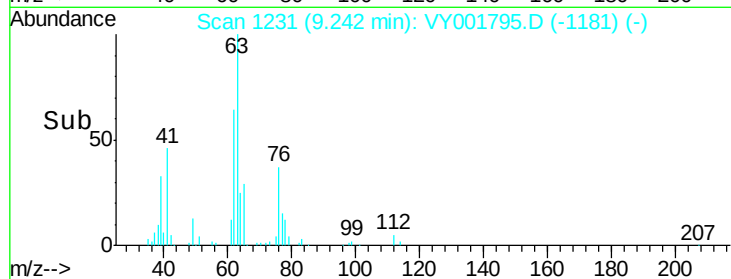
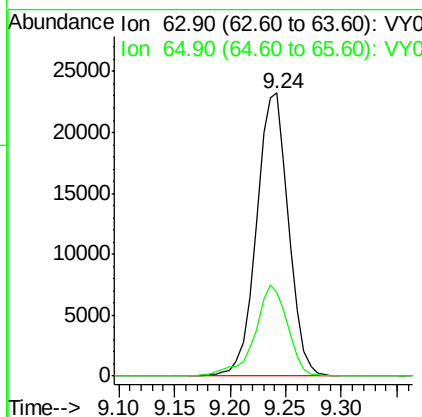
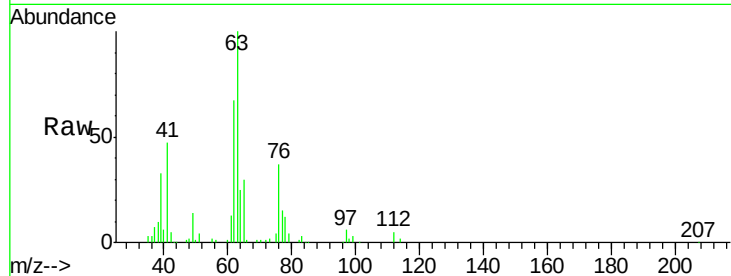
#45
 1,2-Dichloropropane
 Concen: 21.144 ug/l
 RT: 9.24 min Scan# 1231
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion: 63 Resp: 46390
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.6 37.0

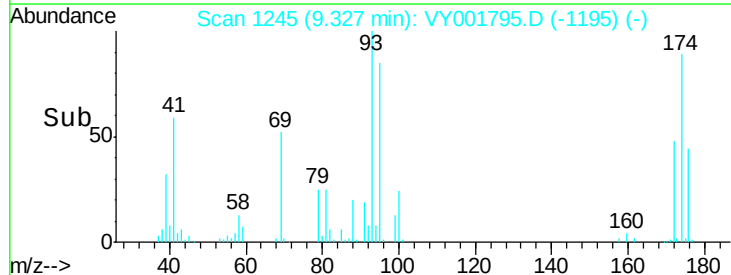
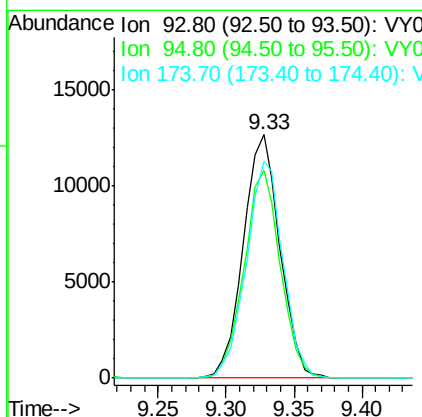
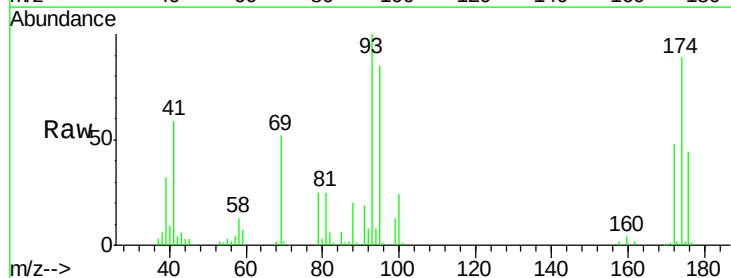
Manual Integrations
 APPROVED

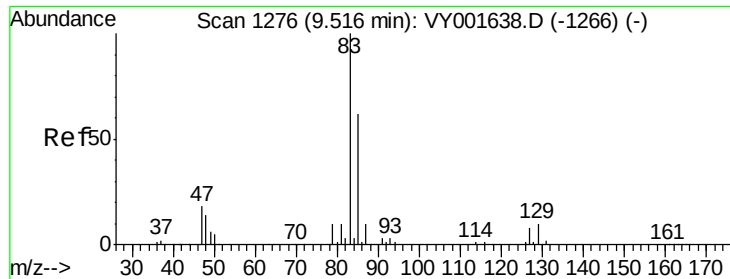
MMDadoda
 3/2/2020 10:35:56 AM



#46
 Dibromomethane
 Concen: 20.823 ug/l
 RT: 9.33 min Scan# 1245
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion: 93 Resp: 23896
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.1 99.1
 174 89.2 72.5 108.7





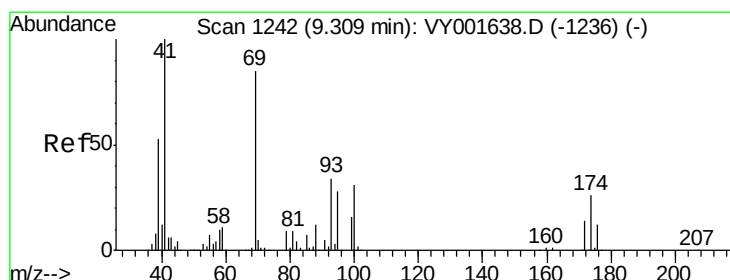
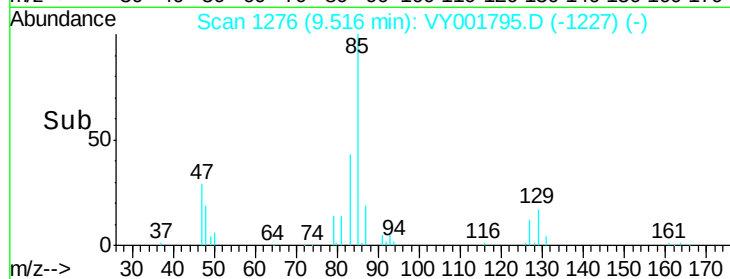
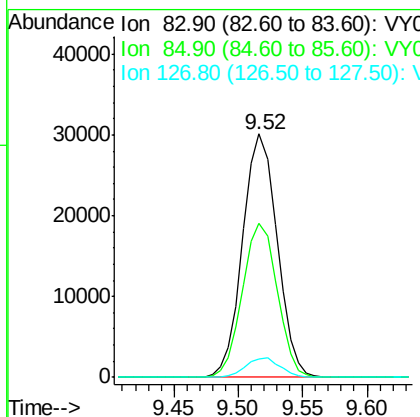
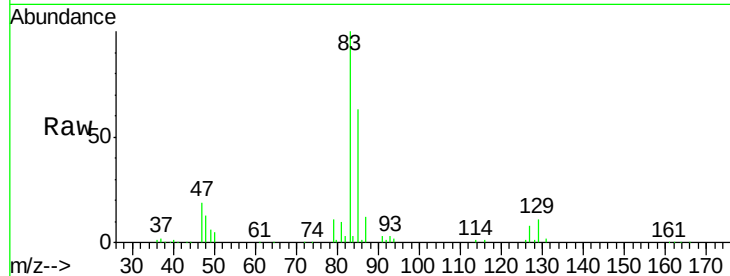
#47
Bromodichloromethane
Concen: 20.235 ug/l
RT: 9.52 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	83	Resp	56042
Ion Ratio	100	Lower	Upper
83	100		
85	63.0	51.4	77.0
127	7.8	6.4	9.6

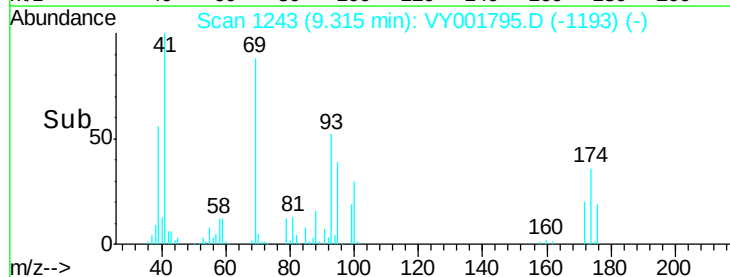
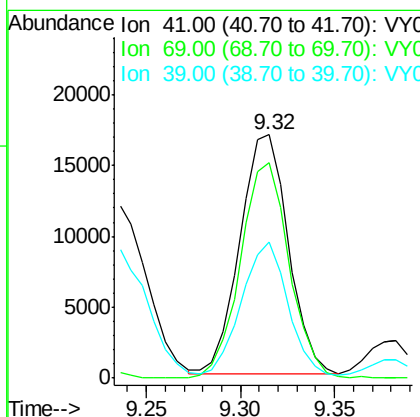
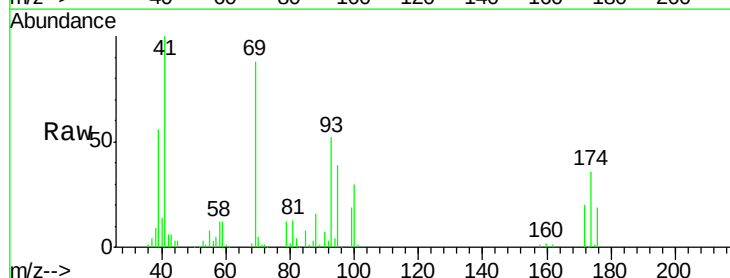
Manual Integrations
APPROVED

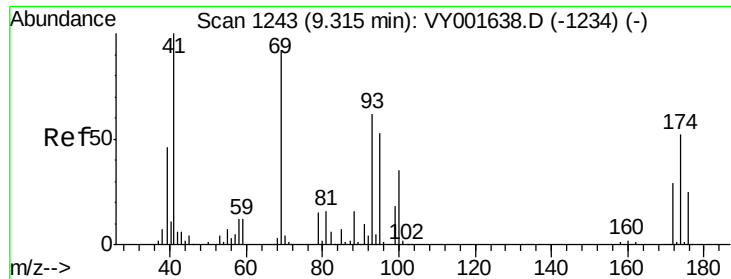
MMDadoda
3/2/2020 10:35:56 AM



#48
Methyl methacrylate
Concen: 19.834 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	41	Resp	30259
Ion Ratio	100	Lower	Upper
41	100		
69	90.2	70.7	106.1
39	55.5	42.2	63.2





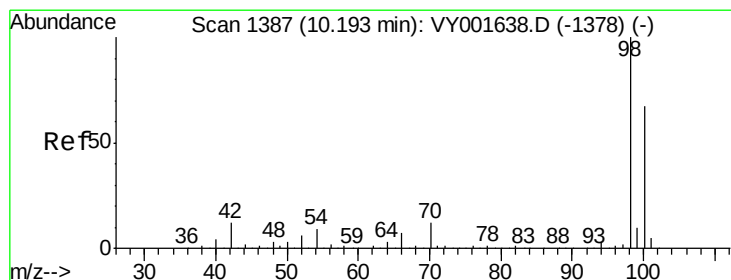
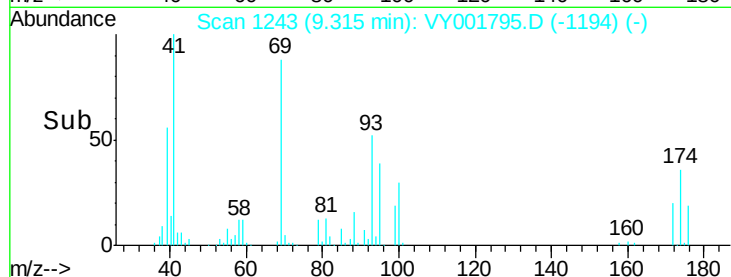
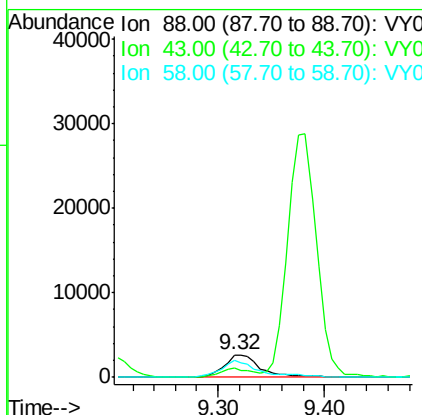
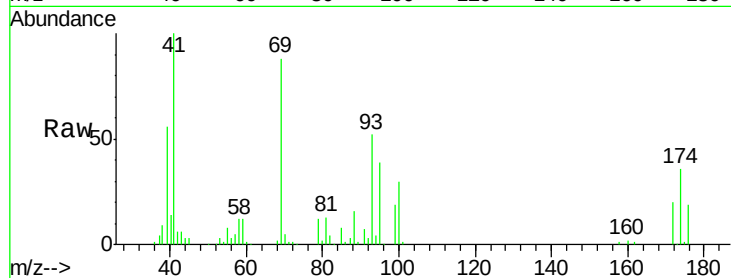
#49
1,4-Dioxane
Concen: 402.638 ug/l
RT: 9.32 min Scan# 1243
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	23.1	34.7
58	69.1	58.1	87.1

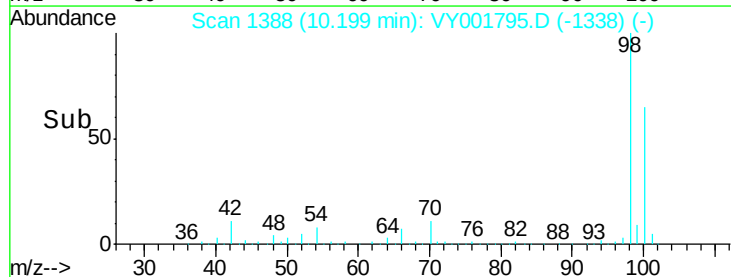
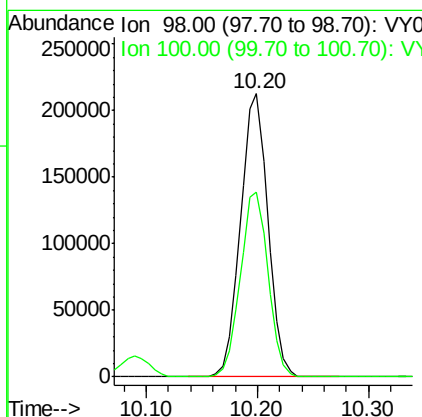
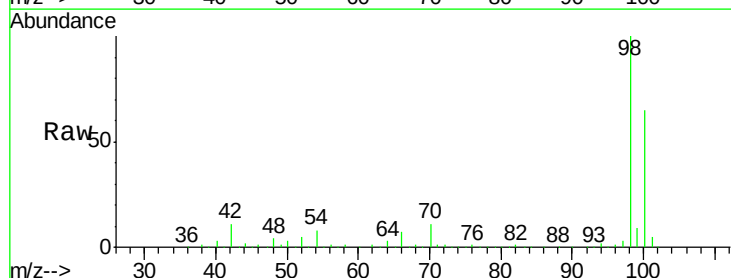
Manual Integrations
APPROVED

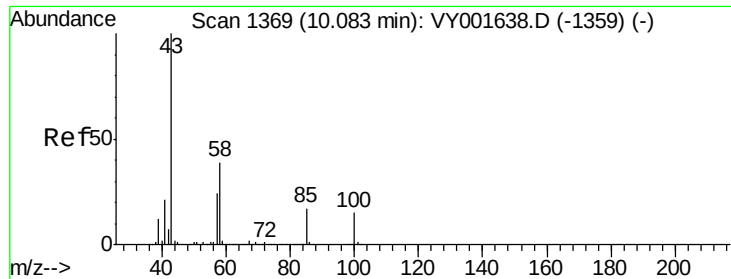
MMDadoda
3/2/2020 10:35:56 AM



#50
Toluene-d8
Concen: 51.863 ug/l
RT: 10.20 min Scan# 1388
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4





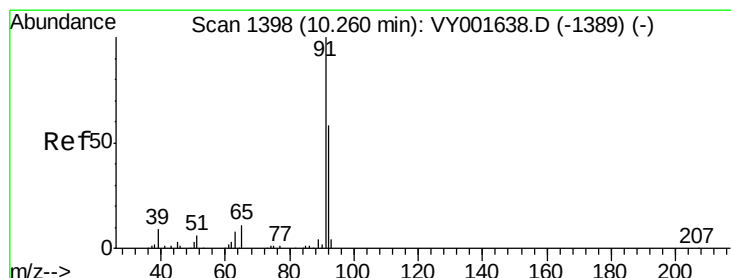
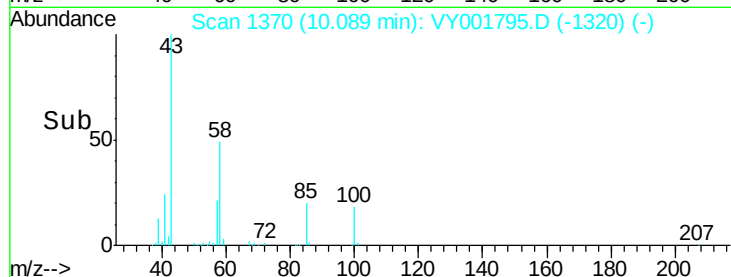
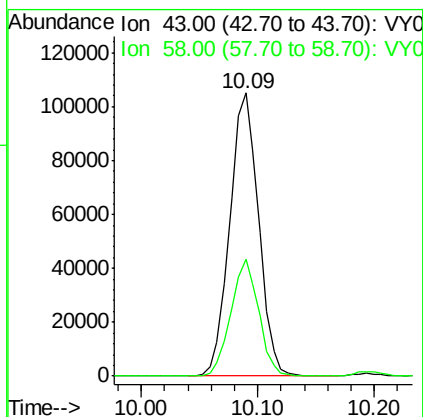
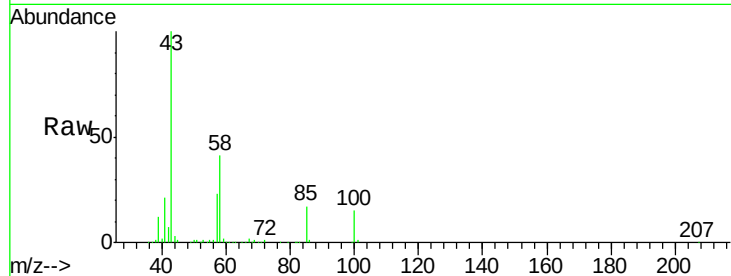
#51
4-Methyl-2-Pentanone
Concen: 104.891 ug/l
RT: 10.09 min Scan# 1370
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.7	32.2	48.4

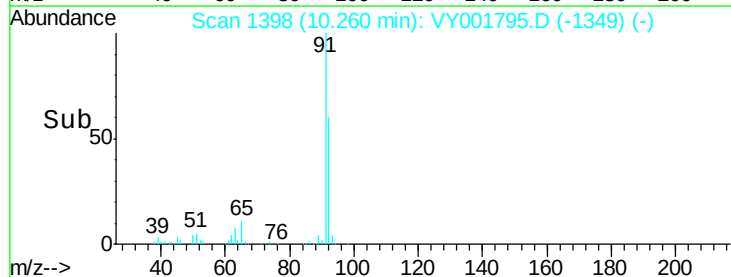
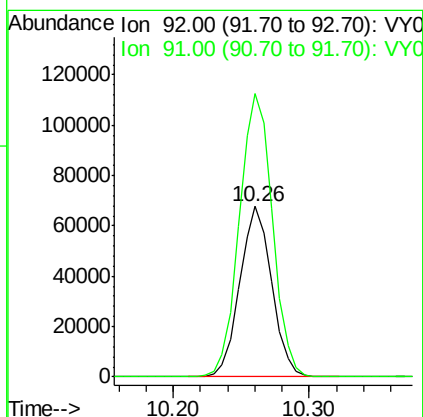
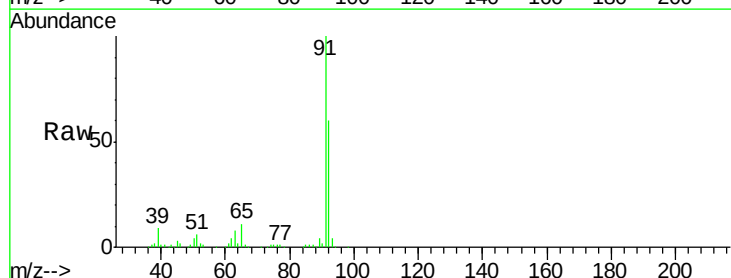
Manual Integrations
APPROVED

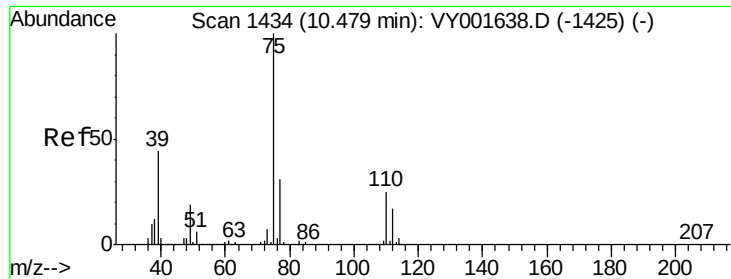
MMDadoda
3/2/2020 10:35:56 AM



#52
Toluene
Concen: 20.272 ug/l
RT: 10.26 min Scan# 1398
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.3	137.0	205.6





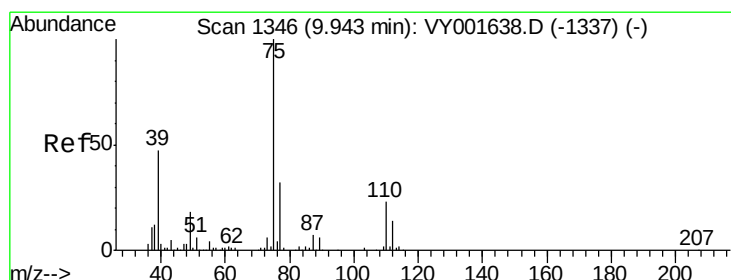
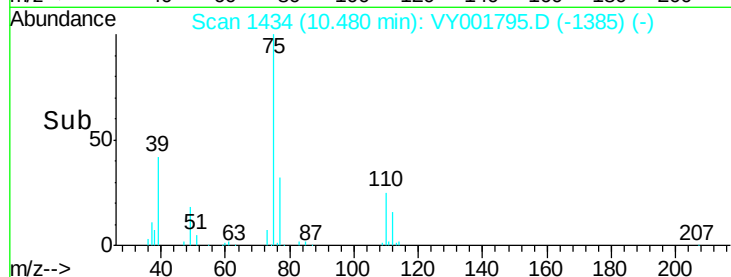
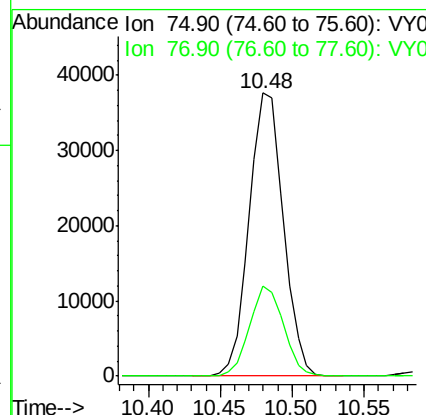
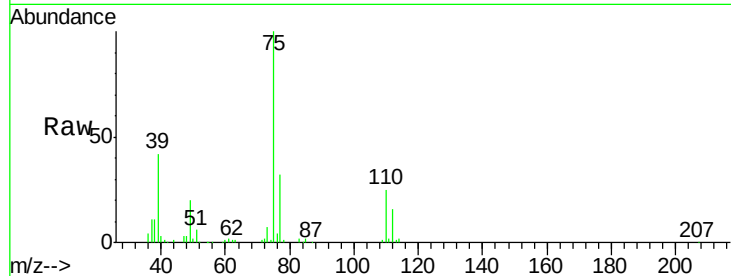
#53
t-1,3-Dichloropropene
Concen: 20.171 ug/l
RT: 10.48 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion: 75 Resp: 61760
Ion Ratio Lower Upper
75 100
77 31.8 25.2 37.8

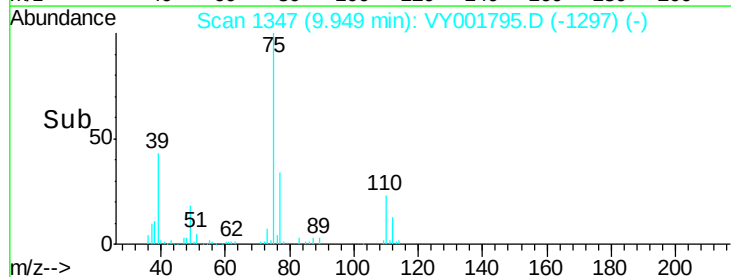
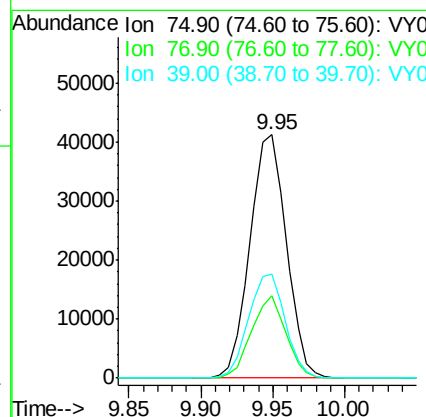
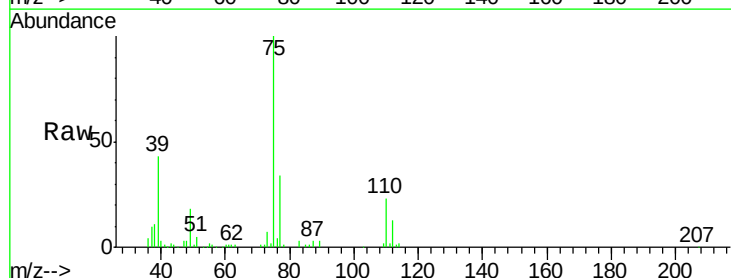
Manual Integrations
APPROVED

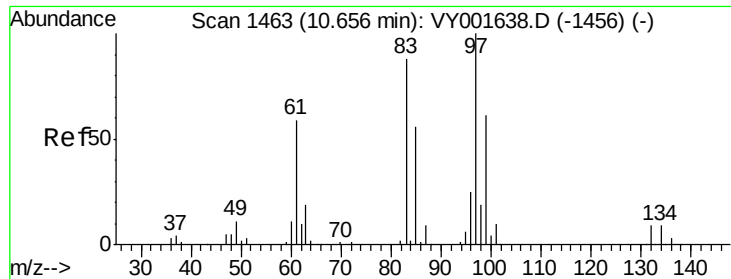
MMDadoda
3/2/2020 10:35:56 AM



#54
cis-1,3-Dichloropropene
Concen: 20.492 ug/l
RT: 9.95 min Scan# 1347
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion: 75 Resp: 72212
Ion Ratio Lower Upper
75 100
77 33.7 25.7 38.5
39 42.9 35.7 53.5





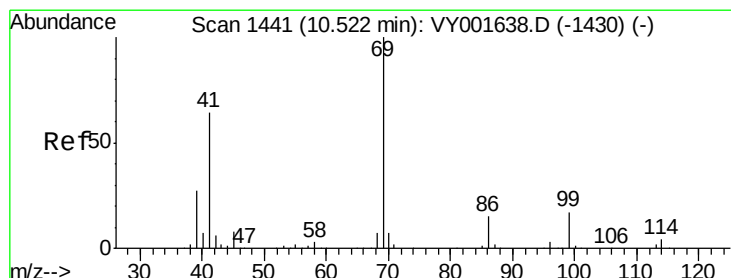
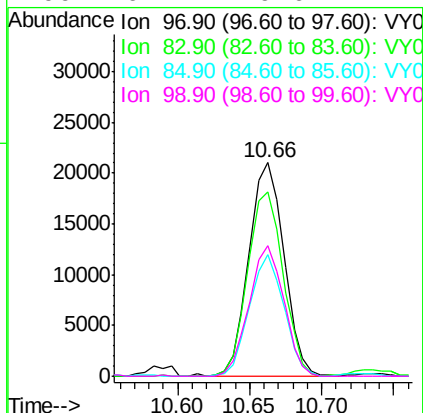
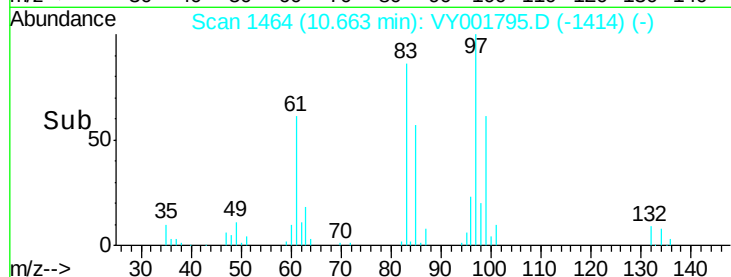
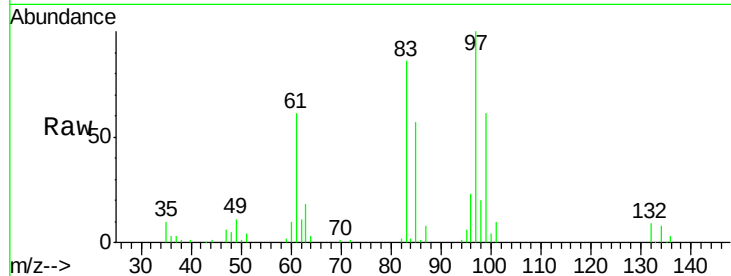
#55
 1,1,2-Trichloroethane
 Concen: 21.098 ug/l
 RT: 10.66 min Scan# 1464
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion:	97	Resp:	35701
Ion	Ratio	Lower	Upper
97	100		
83	86.1	69.7	104.5
85	57.2	44.5	66.7
99	61.1	49.6	74.4

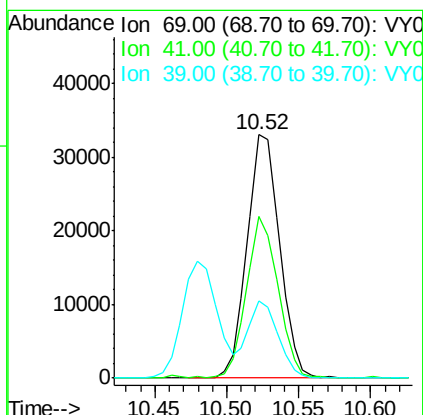
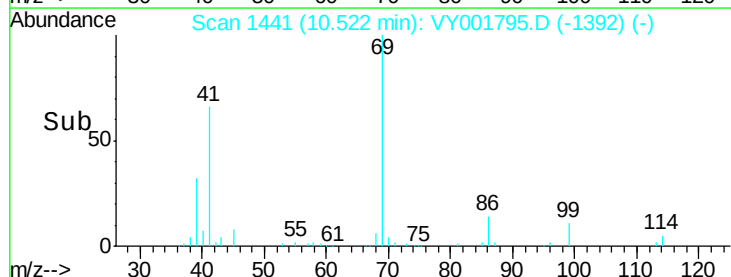
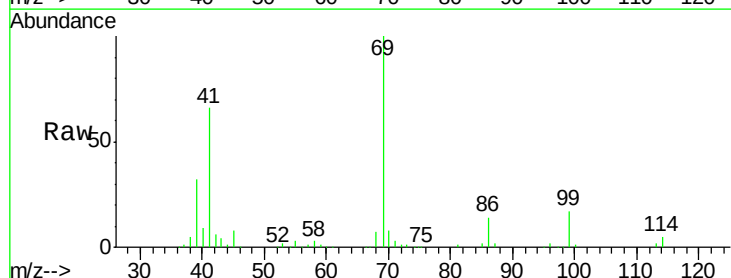
Manual Integrations
 APPROVED

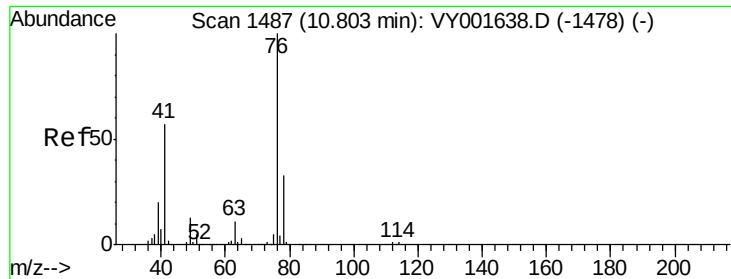
MMDadoda
 3/2/2020 10:35:56 AM



#56
 Ethyl methacrylate
 Concen: 20.372 ug/l
 RT: 10.52 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion:	69	Resp:	51714
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.0	76.4
39	30.0	24.7	37.1





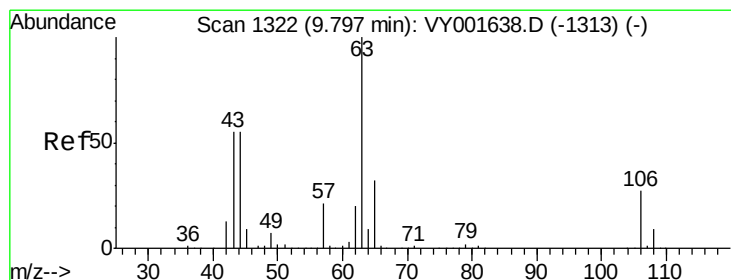
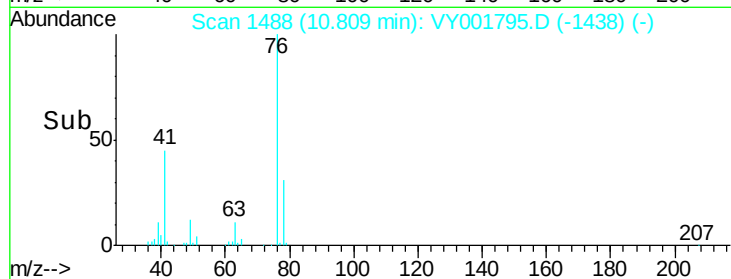
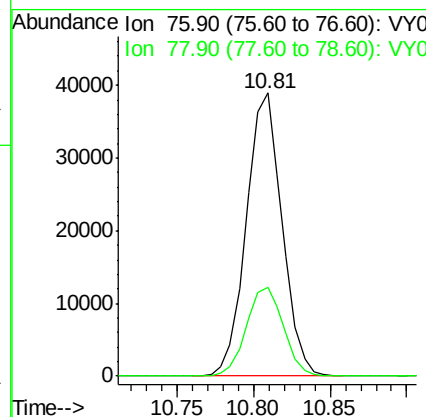
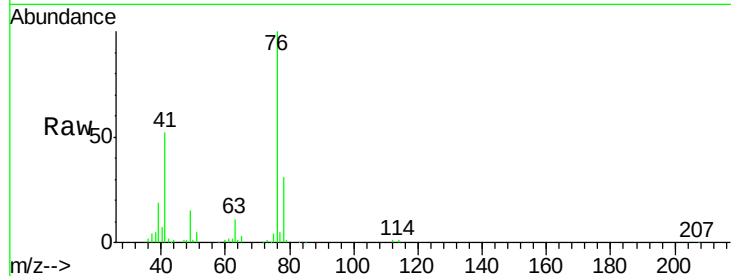
#57
 1,3-Dichloropropane
 Concen: 20.979 ug/l
 RT: 10.81 min Scan# 1488
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion: 76 Resp: 63076
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.7 38.5

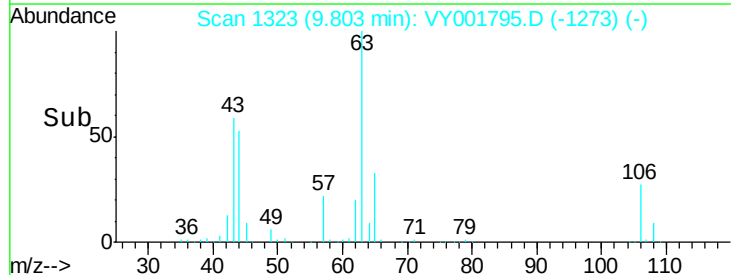
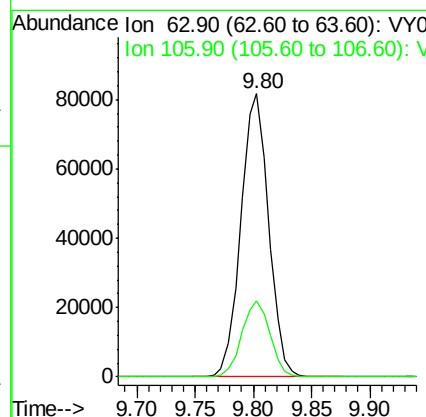
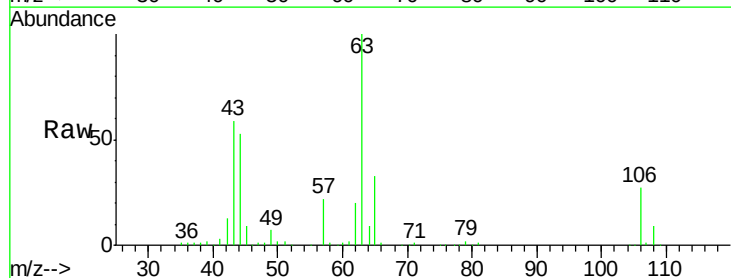
Manual Integrations
 APPROVED

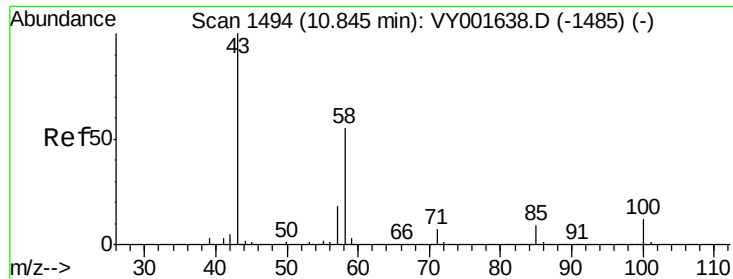
MMDadoda
 3/2/2020 10:35:56 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 133.361 ug/l
 RT: 9.80 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion: 63 Resp: 135831
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.6 32.4





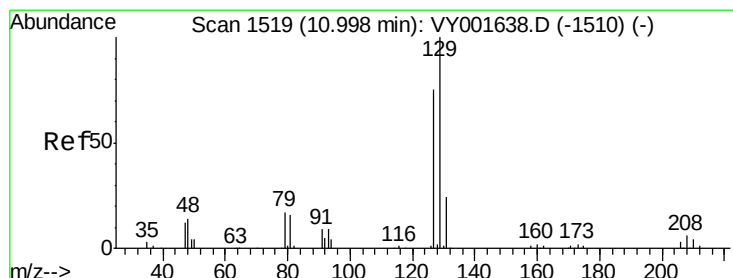
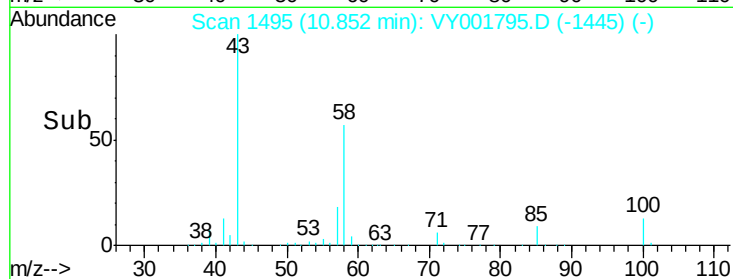
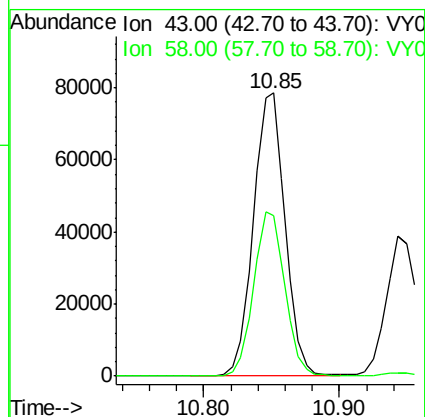
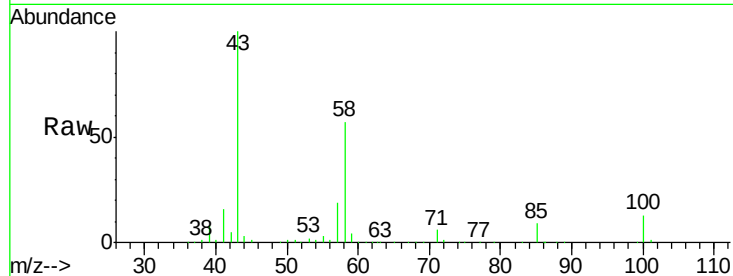
#59
2-Hexanone
Concen: 98.715 ug/l
RT: 10.85 min Scan# 1495
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion: 43 Resp: 128370
Ion Ratio Lower Upper
43 100
58 57.3 28.4 85.2

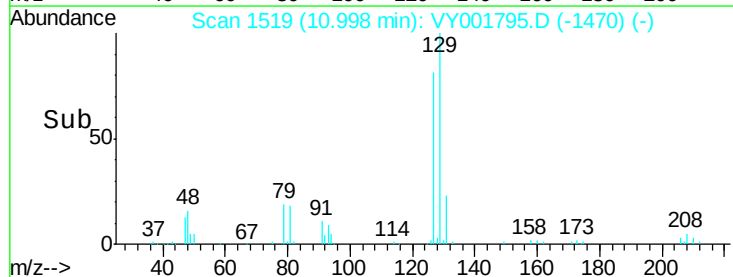
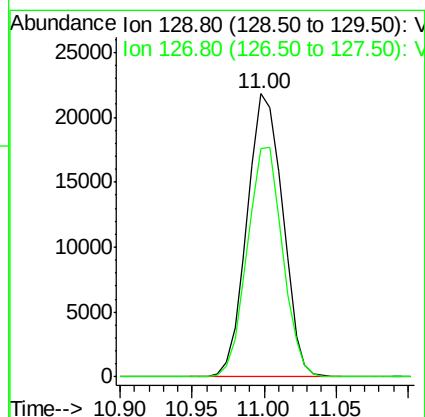
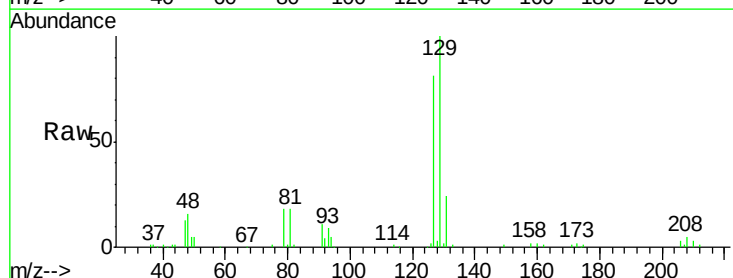
Manual Integrations
APPROVED

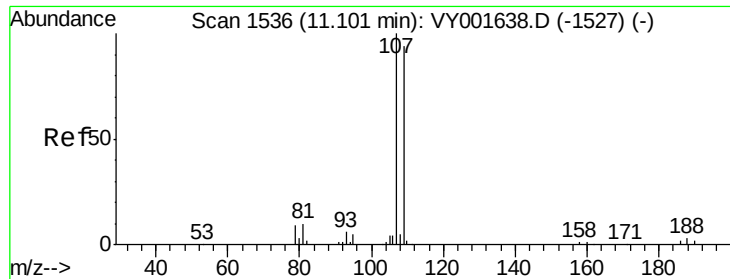
MMDadoda
3/2/2020 10:35:56 AM



#60
Dibromochloromethane
Concen: 20.119 ug/l
RT: 11.00 min Scan# 1519
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion: 129 Resp: 37534
Ion Ratio Lower Upper
129 100
127 79.7 38.9 116.6





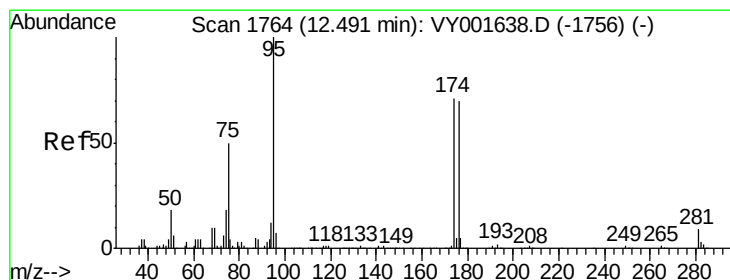
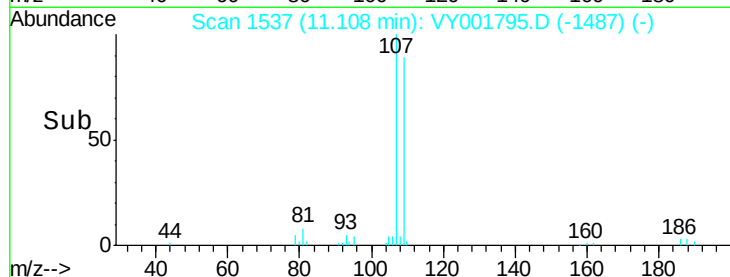
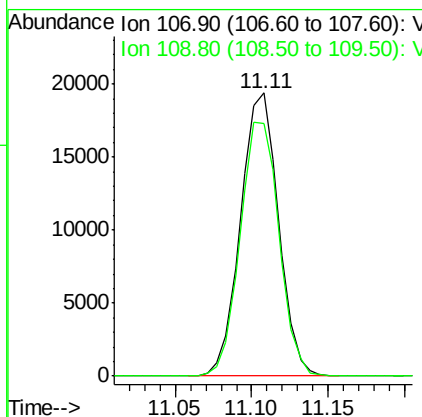
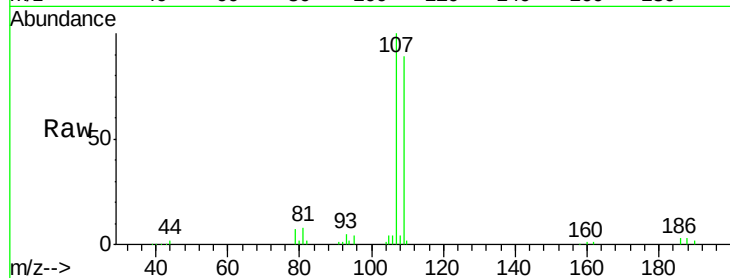
#61
 1,2-Dibromoethane
 Concen: 20.854 ug/l
 RT: 11.11 min Scan# 1537
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	74.2	111.4

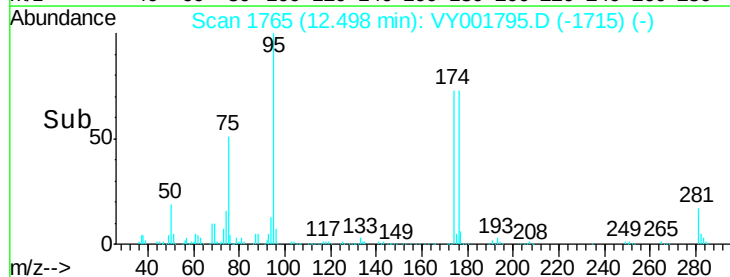
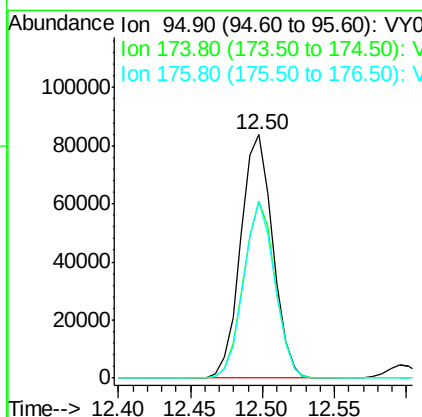
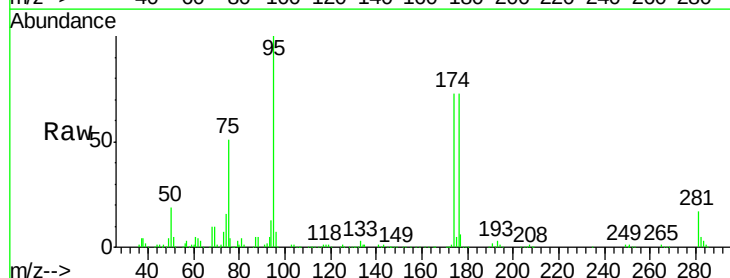
Manual Integrations
 APPROVED

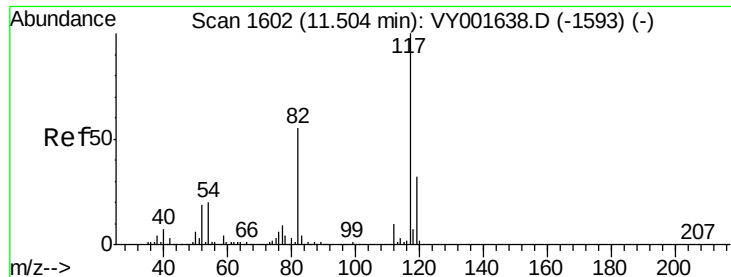
MMDadoda
 3/2/2020 10:35:56 AM



#62
 4-Bromofluorobenzene
 Concen: 47.443 ug/l
 RT: 12.50 min Scan# 1765
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.6	0.0	138.4
176	70.2	0.0	131.8





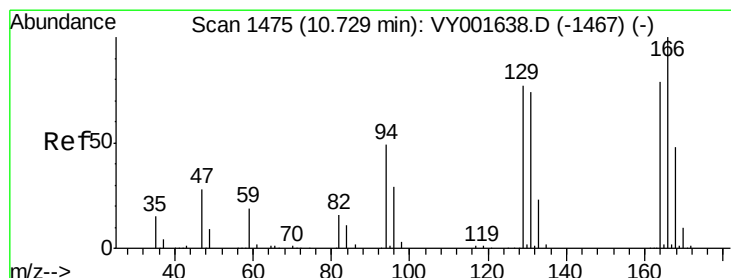
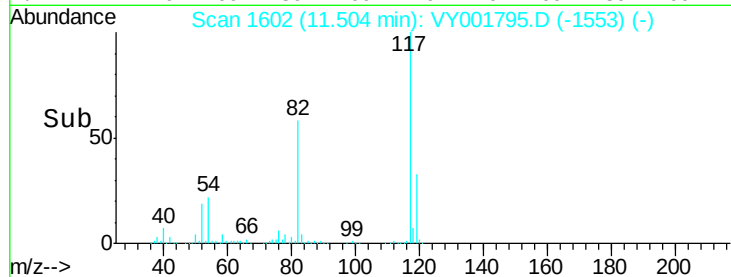
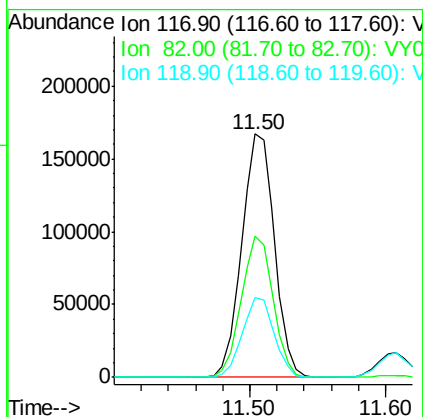
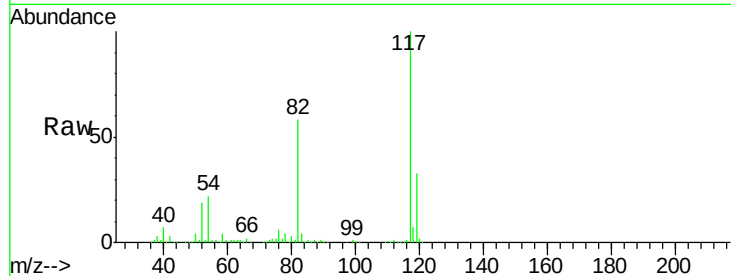
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1602
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	279806		
82	57.9	45.5	68.3	
119	32.7	25.8	38.6	

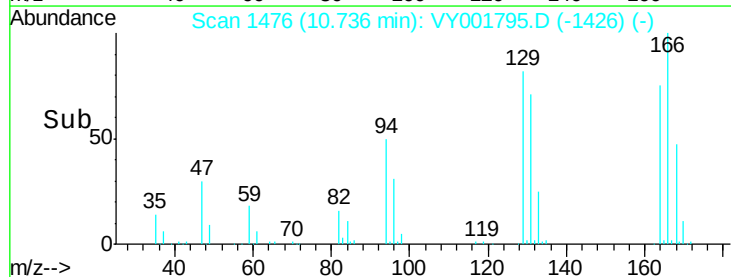
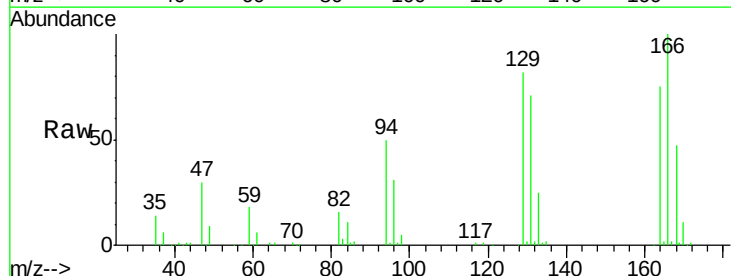
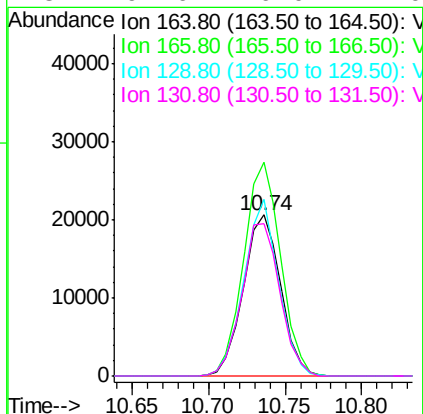
Manual Integrations
APPROVED

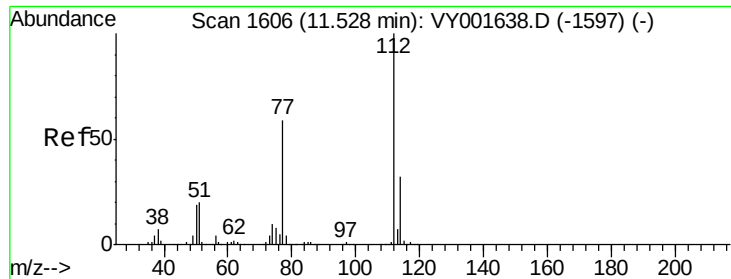
MMDadoda
3/2/2020 10:35:56 AM



#64
Tetrachloroethene
Concen: 19.899 ug/l
RT: 10.74 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	34953		
166	132.7	101.4	152.0	
129	109.4	78.7	118.1	
131	94.6	76.0	114.0	





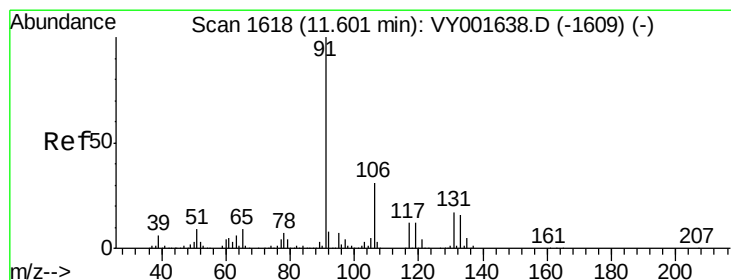
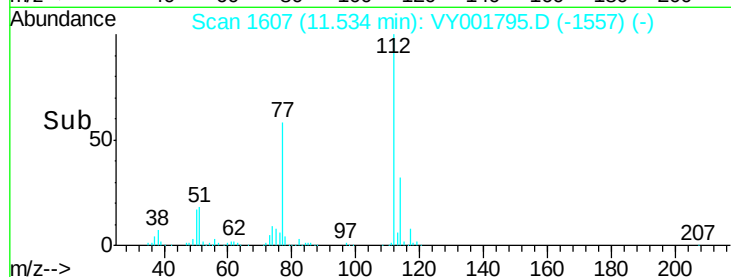
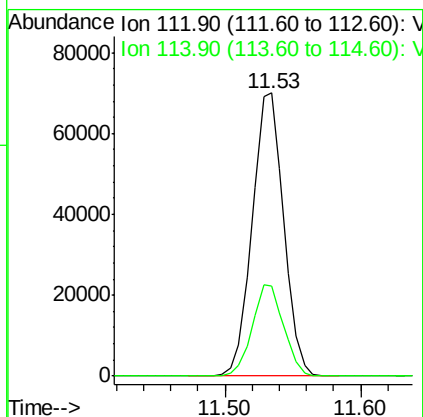
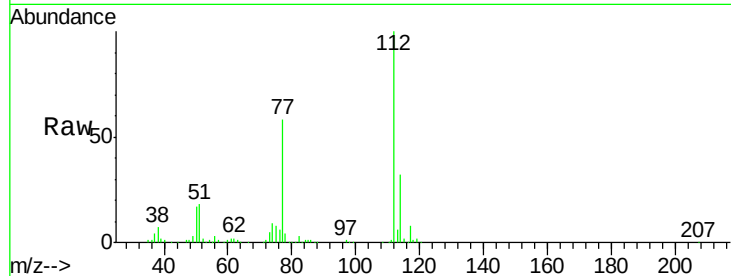
#65
Chlorobenzene
Concen: 20.367 ug/l
RT: 11.53 min Scan# 1607
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion:112 Resp: 113777
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2

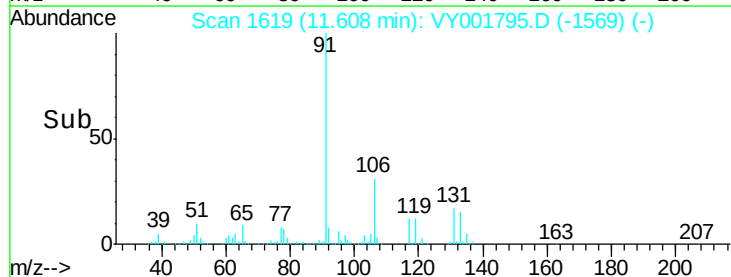
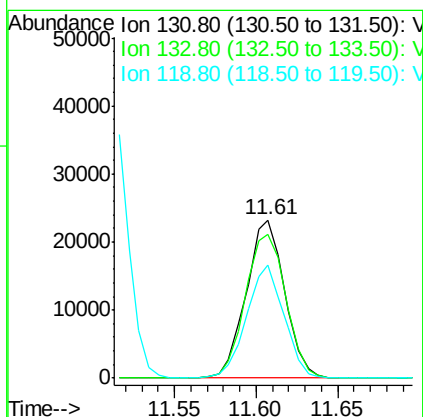
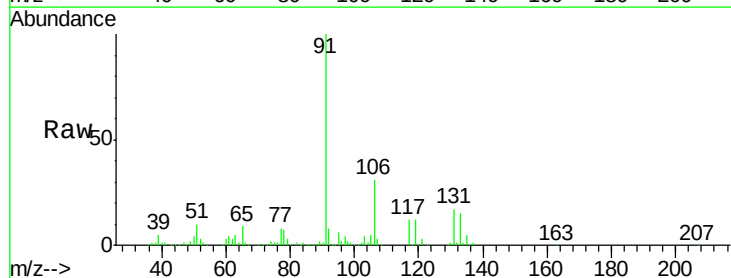
Manual Integrations
APPROVED

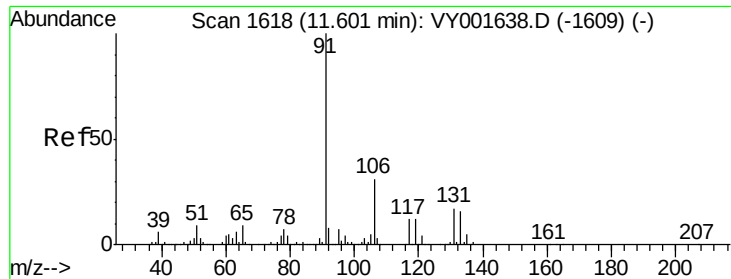
MMDadoda
3/2/2020 10:35:56 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.261 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion:131 Resp: 38180
Ion Ratio Lower Upper
131 100
133 95.7 47.4 142.2
119 69.2 34.4 103.1





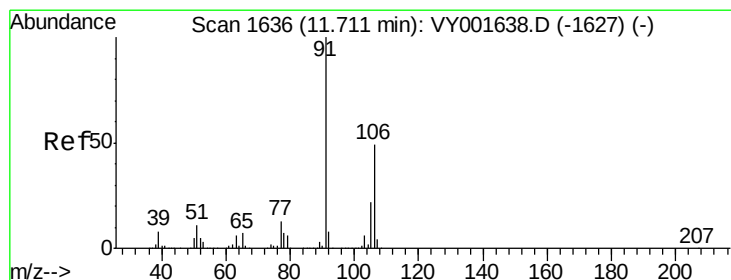
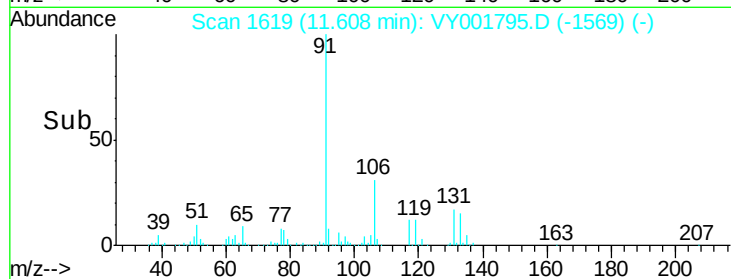
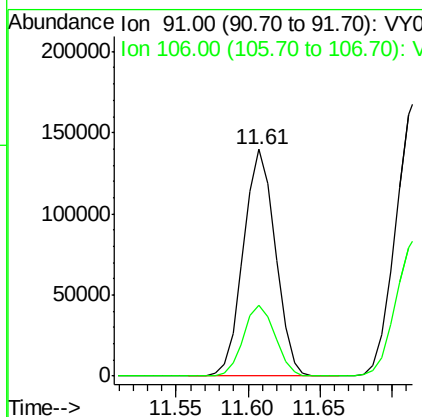
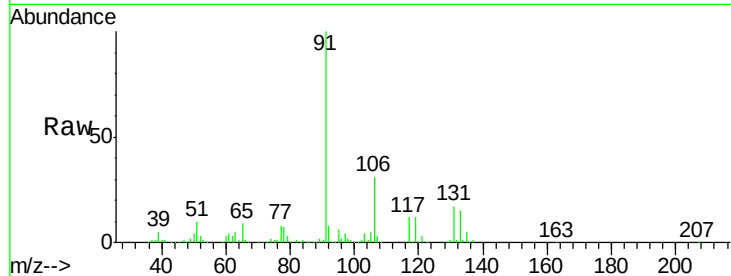
#67
Ethyl Benzene
Concen: 20.737 ug/l
RT: 11.61 min Scan# 1619
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	91	Resp	214974
Ion Ratio	100	Lower	Upper
106	31.3	24.5	36.7

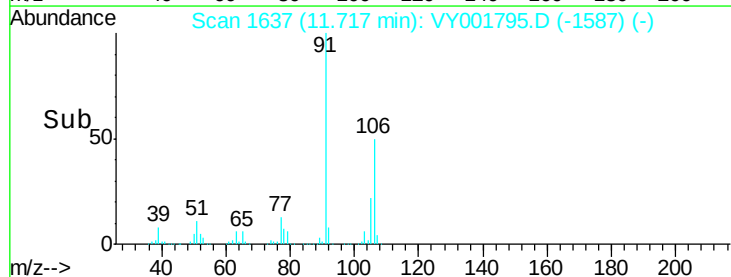
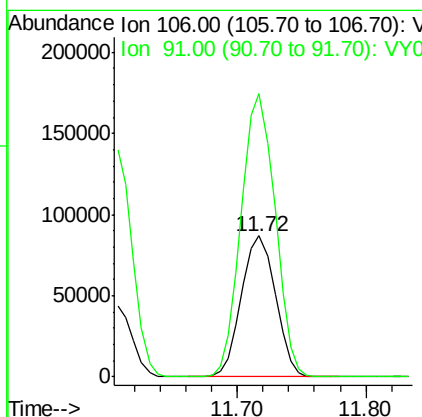
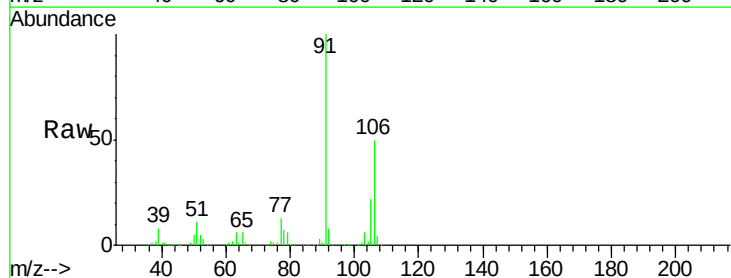
Manual Integrations
APPROVED

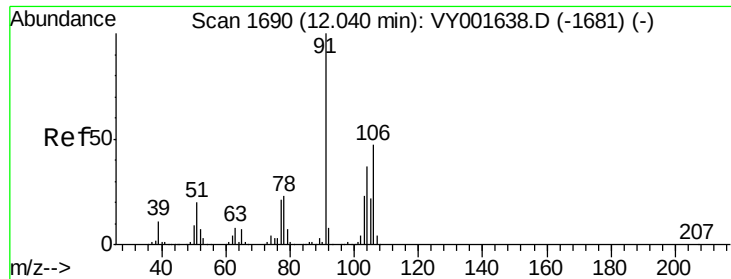
MMDadoda
3/2/2020 10:35:56 AM



#68
m/p-Xylenes
Concen: 41.338 ug/l
RT: 11.72 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	106	Resp	160082
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	199.6	163.3	244.9





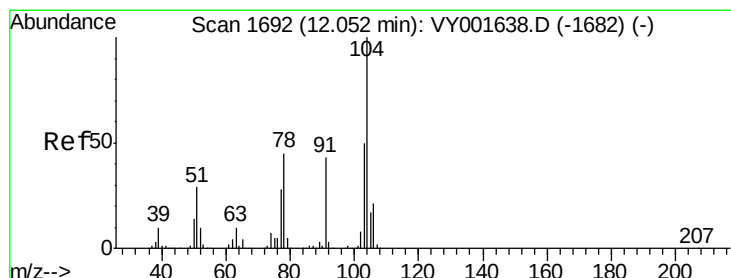
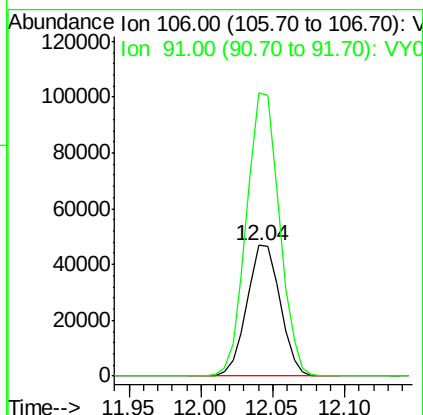
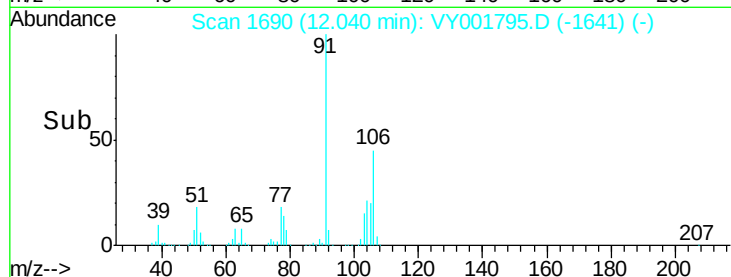
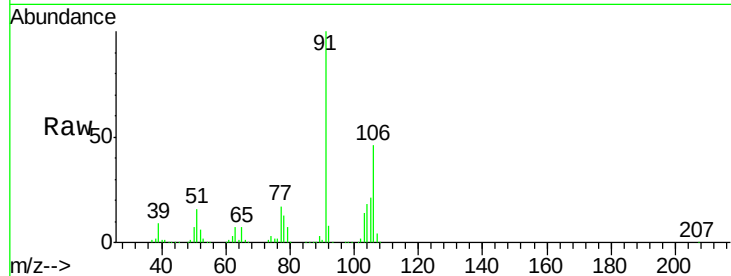
#69
o-Xylene
Concen: 20.392 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.1	108.3	324.9

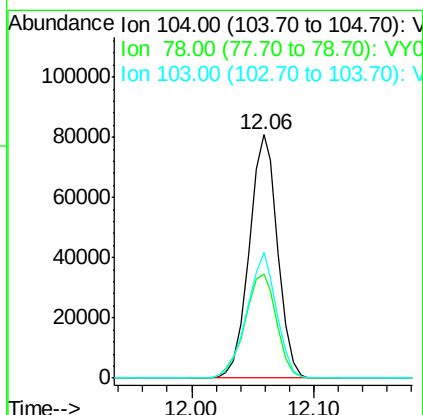
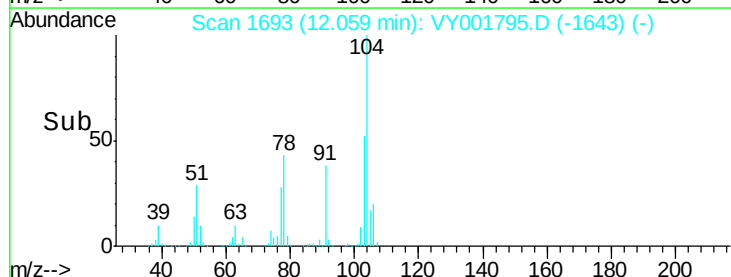
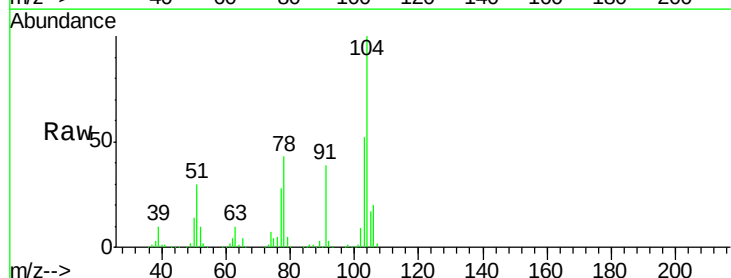
Manual Integrations
APPROVED

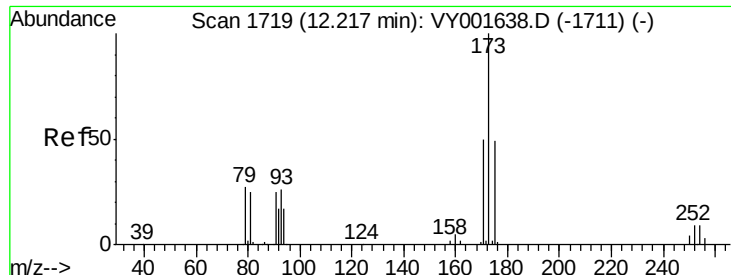
MMDadoda
3/2/2020 10:35:56 AM



#70
Styrene
Concen: 20.320 ug/l
RT: 12.06 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.2	58.8
103	53.6	43.0	64.6





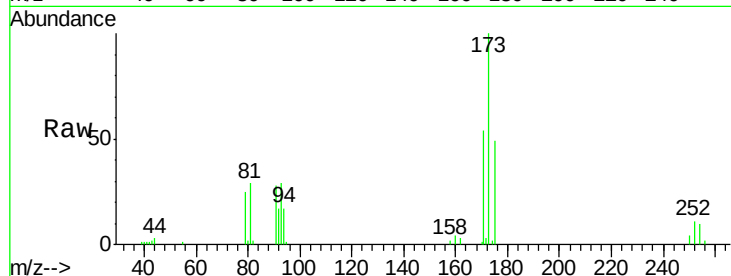
#71
Bromoform
Concen: 19.126 ug/l
RT: 12.22 min Scan# 1720
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

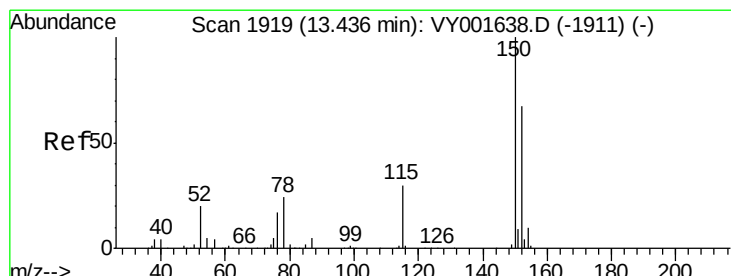
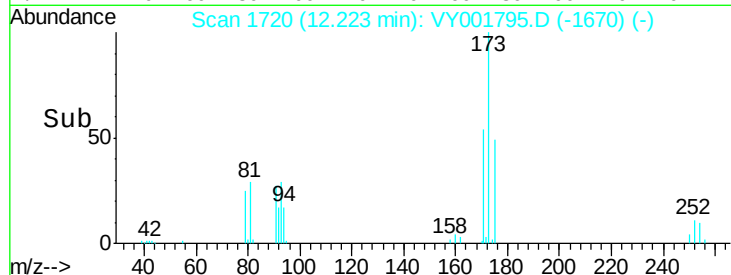
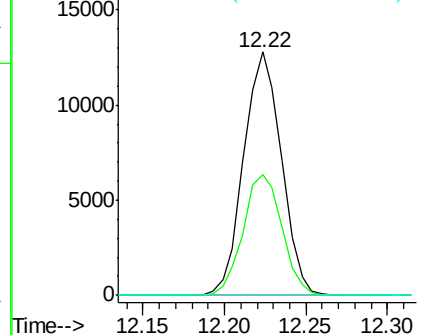
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



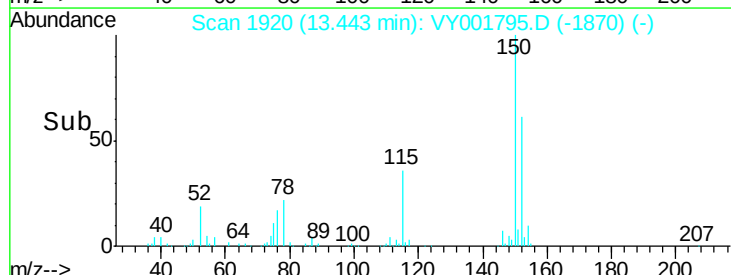
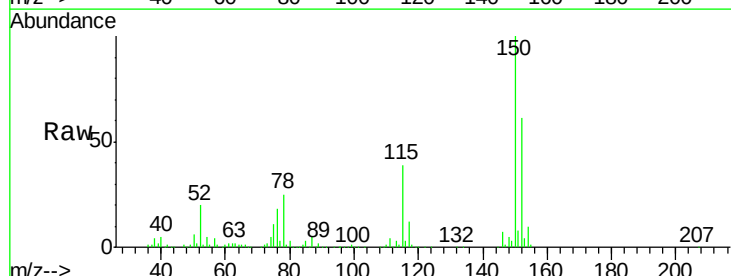
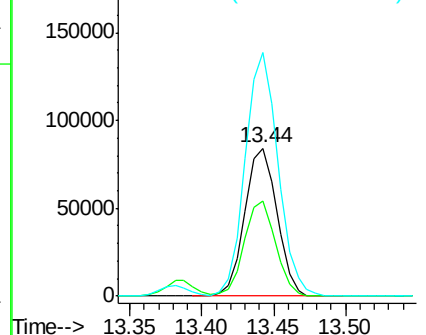
Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

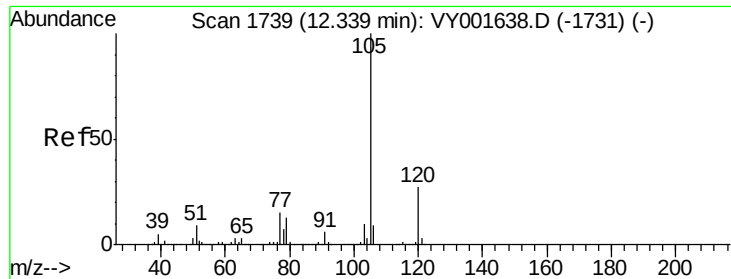


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.44 min Scan# 1920
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.4	94.2
150	166.6	0.0	407.2

Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





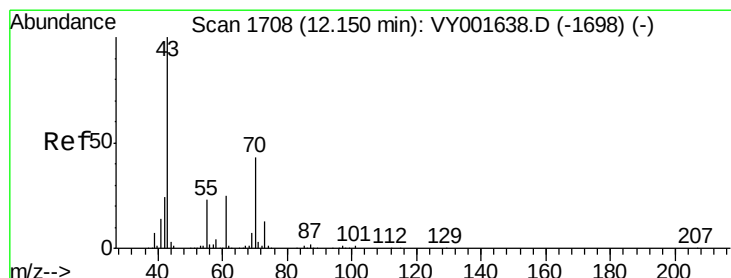
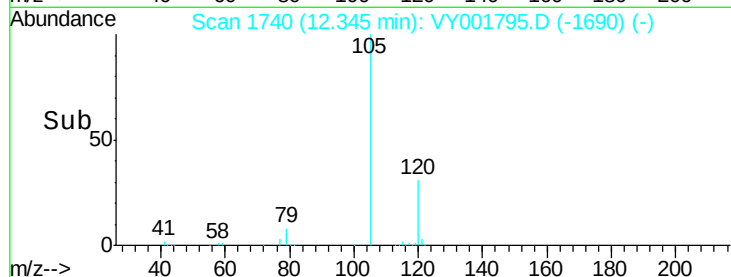
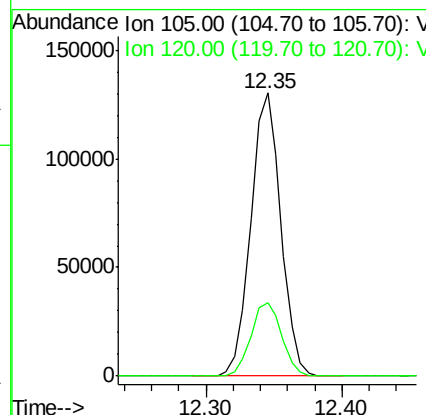
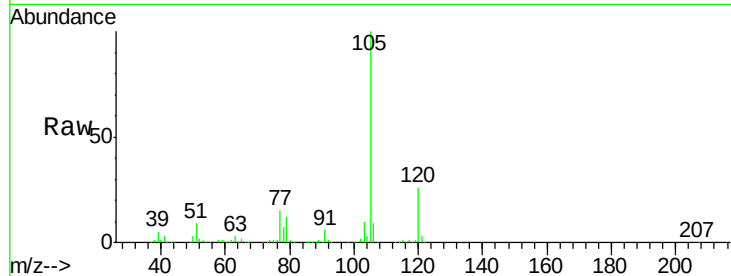
#73
Isopropylbenzene
Concen: 20.106 ug/l
RT: 12.35 min Scan# 1740
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.1

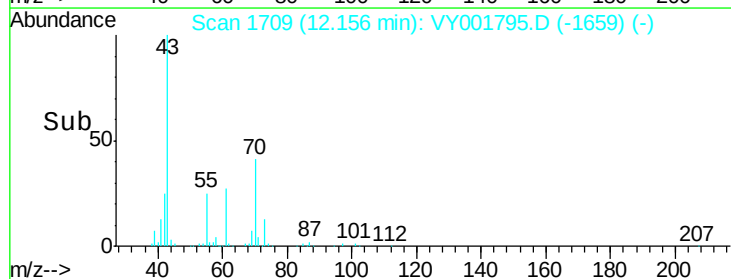
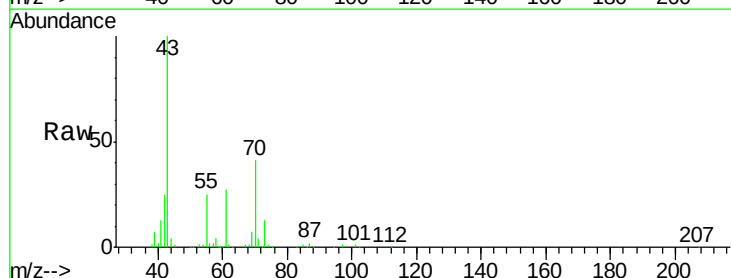
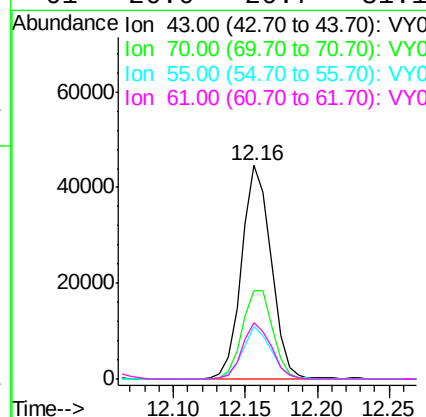
Manual Integrations
APPROVED

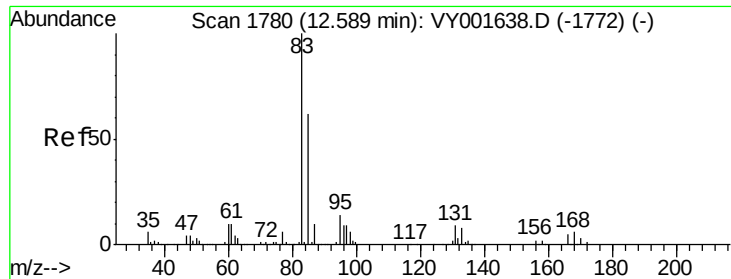
MMDadoda
3/2/2020 10:35:56 AM



#74
N-ethyl acetate
Concen: 20.003 ug/l
RT: 12.16 min Scan# 1709
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.9	35.9	53.9
55	23.9	18.3	27.5
61	26.0	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.102 ug/l

RT: 12.60 min Scan# 1781

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

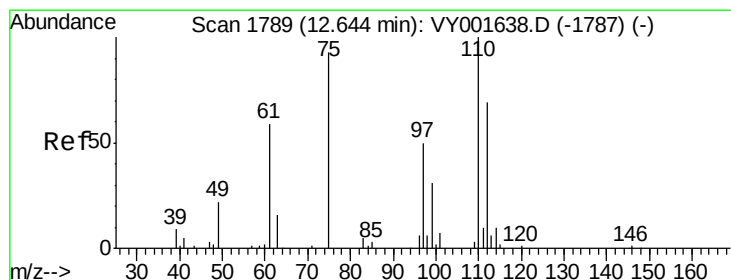
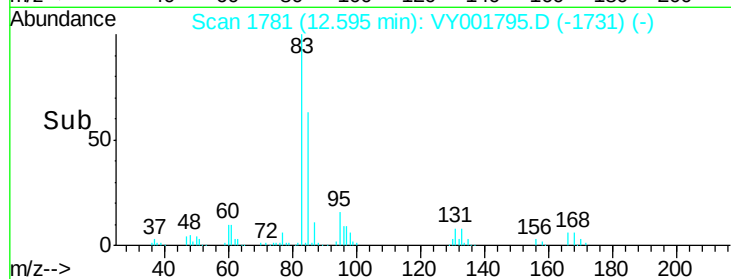
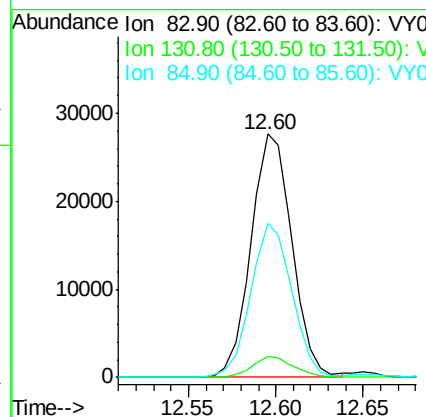
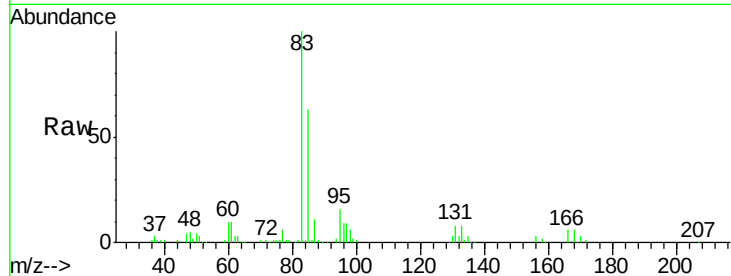
ClientSampled :

VY0228SBS01

Tot Ion:	83	Resp:	44986
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.7	14.1
85	63.1	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#76

1,2,3-Trichloropropane

Concen: 22.968 ug/l m

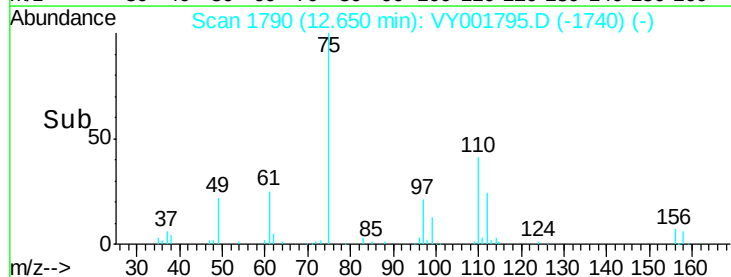
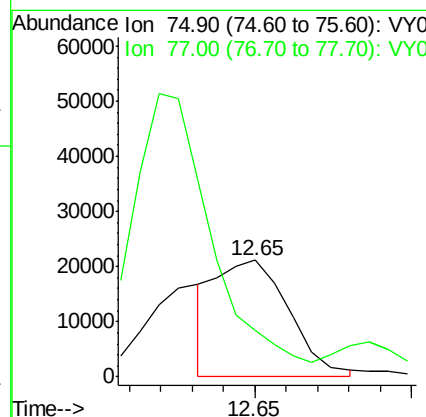
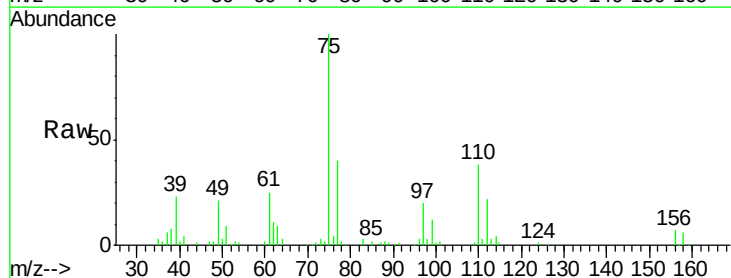
RT: 12.65 min Scan# 1790

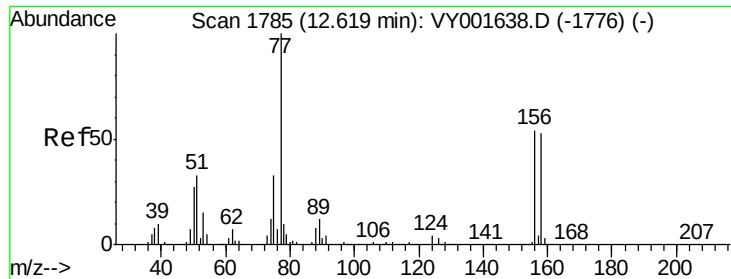
Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	75	Resp:	34530
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.277 ug/l

RT: 12.63 min Scan# 1786

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

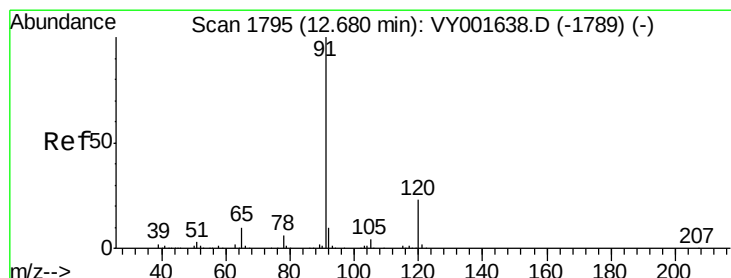
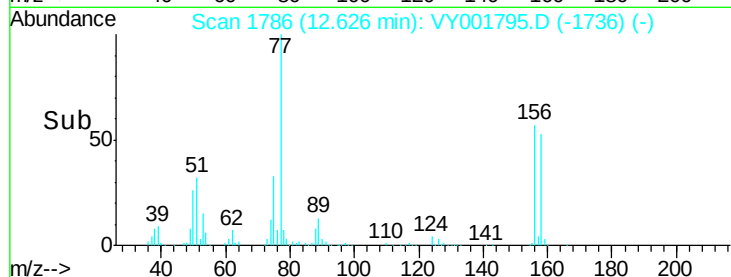
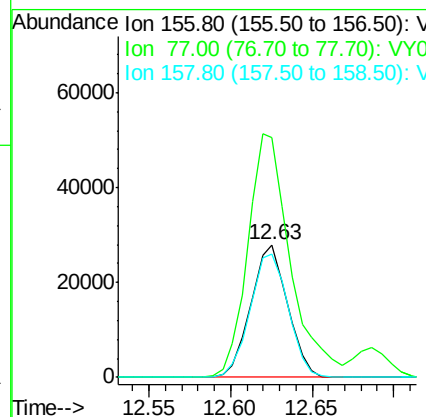
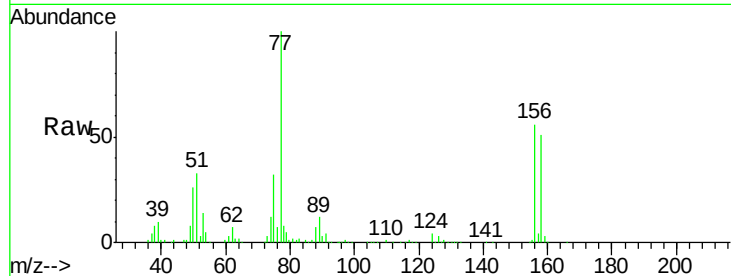
ClientSampleId :

VY0228SBS01

Tot Ion:	156	Resp:	43888
Ion Ratio	Lower	Upper	
156	100		
77	212.2	110.1	330.1
158	96.5	47.9	143.7

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#78

n-propylbenzene

Concen: 20.617 ug/l

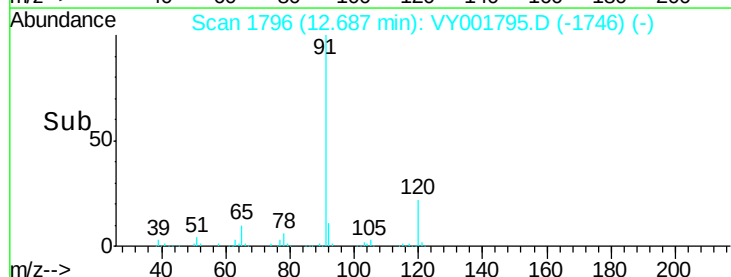
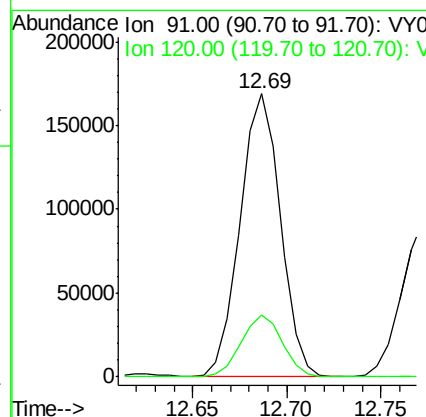
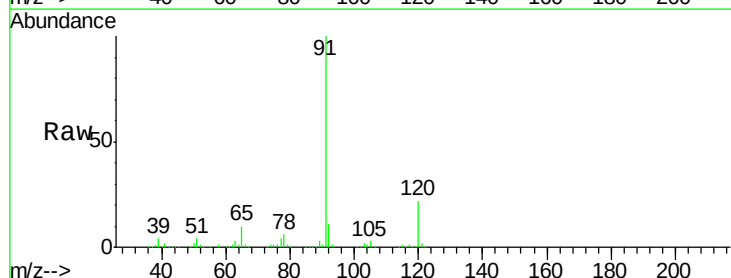
RT: 12.69 min Scan# 1796

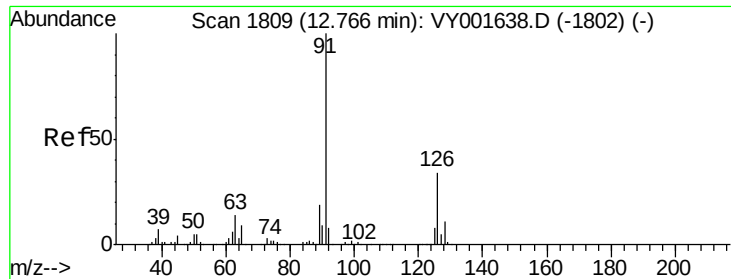
Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	91	Resp:	250706
Ion Ratio	Lower	Upper	
91	100		
120	22.1	11.1	33.1





#79

2-Chlorotoluene

Concen: 20.232 ug/l

RT: 12.77 min Scan# 1810

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

ClientSampled :

VY0228SBS01

Tot Ion: 91 Resp: 137986

Ion Ratio Lower Upper

91 100

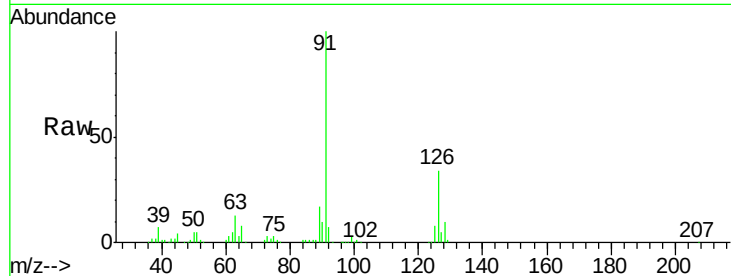
126 33.8 16.2 48.6

Manual Integrations

APPROVED

MMDadoda

3/2/2020 10:35:56 AM



Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1802) (-)

Ion 125.90 (125.60 to 126.60): VY001638.D (-1802) (-)

150000

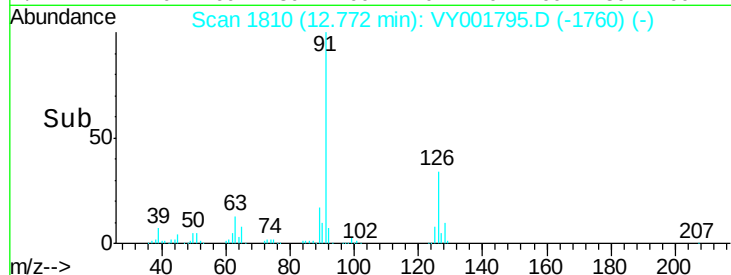
100000

50000

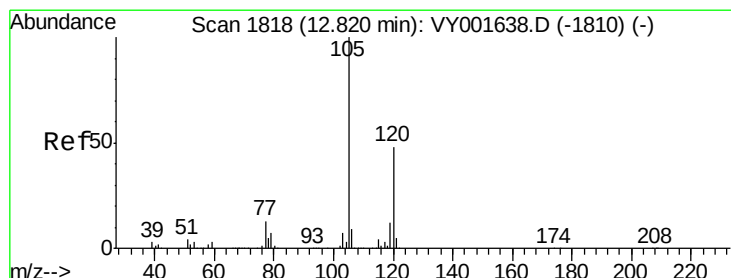
0

12.70 12.75 12.80

12.77



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.624 ug/l

RT: 12.83 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VY001795.D

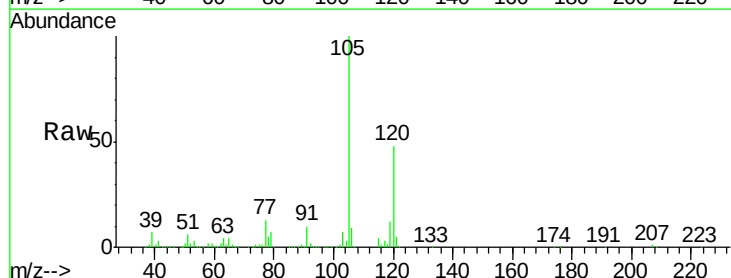
Acq: 28 Feb 2020 11:24

Tgt Ion: 105 Resp: 170456

Ion Ratio Lower Upper

105 100

120 48.1 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VY001638.D (-1810) (-)

Ion 120.00 (119.70 to 120.70): VY001638.D (-1810) (-)

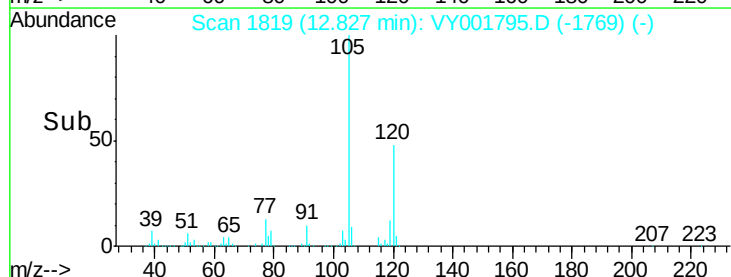
100000

50000

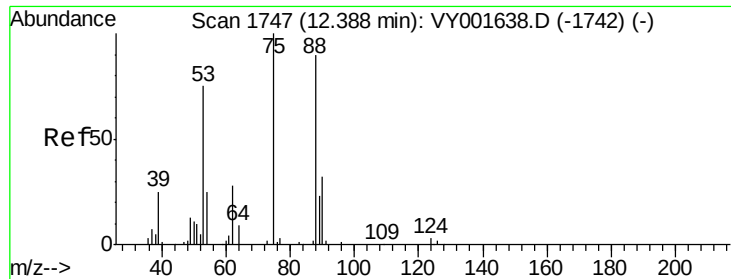
0

12.75 12.80 12.85 12.90

12.83



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 19.977 ug/l

RT: 12.39 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

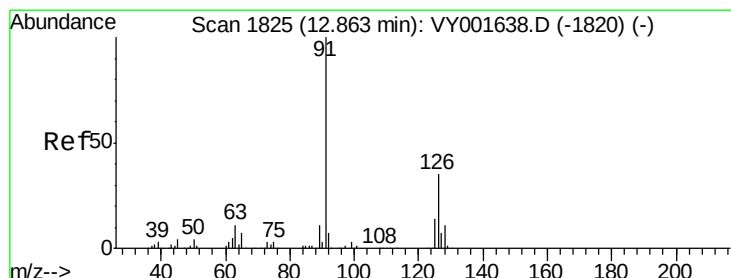
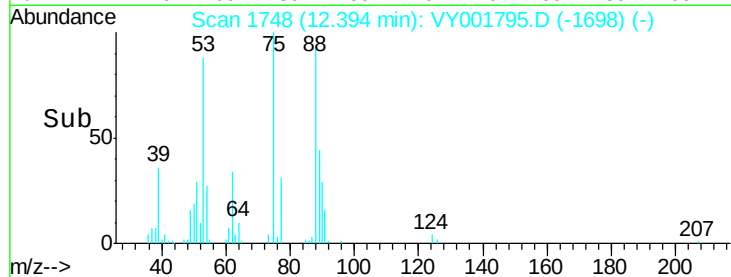
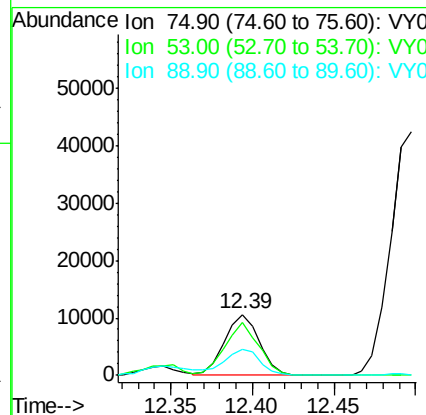
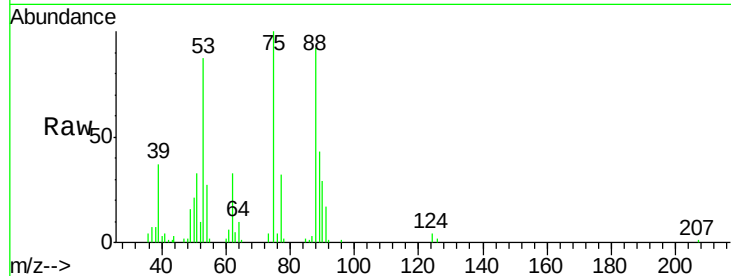
ClientSampleId :

VY0228SBS01

Tot Ion:	75	Resp:	15831
Ion Ratio	Lower	Upper	
75	100		
53	84.6	64.5	96.7
89	43.3	36.3	54.5

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#82

4-Chlorotoluene

Concen: 20.378 ug/l

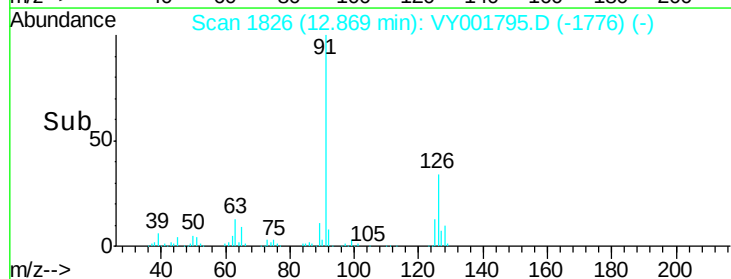
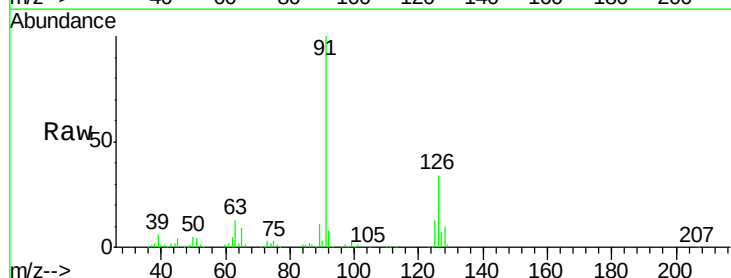
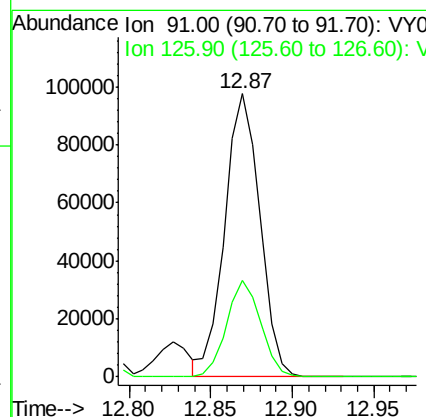
RT: 12.87 min Scan# 1826

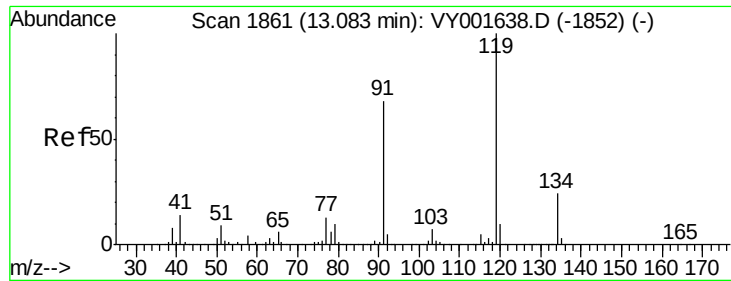
Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Tgt Ion:	91	Resp:	146582
Ion Ratio	Lower	Upper	
91	100		
126	33.3	16.2	48.6





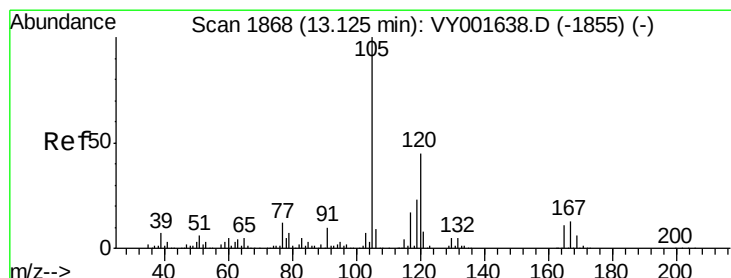
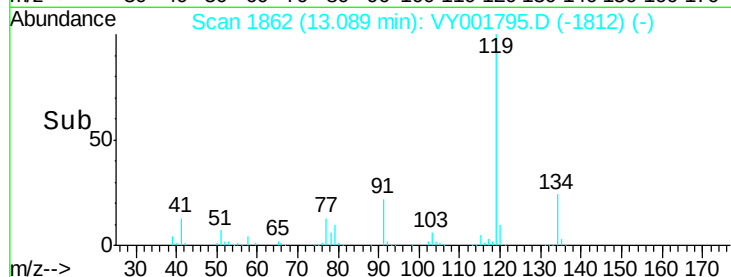
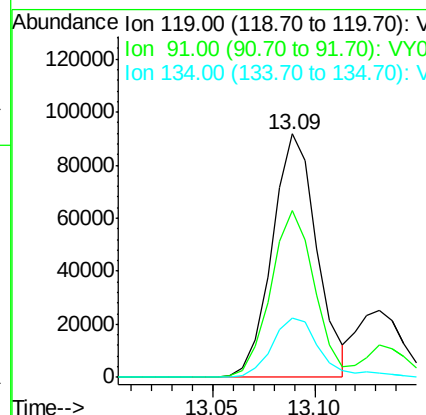
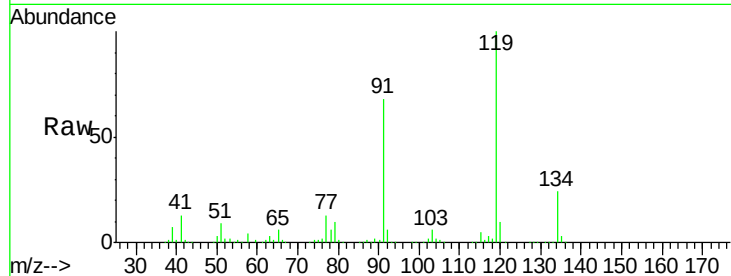
#83
tert-Butylbenzene
Concen: 20.297 ug/l
RT: 13.09 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.9	33.5	100.5
134	26.5	13.3	39.8

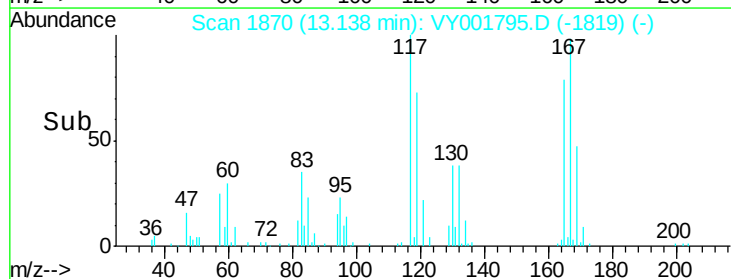
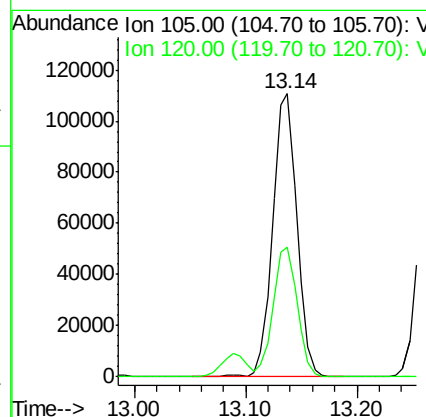
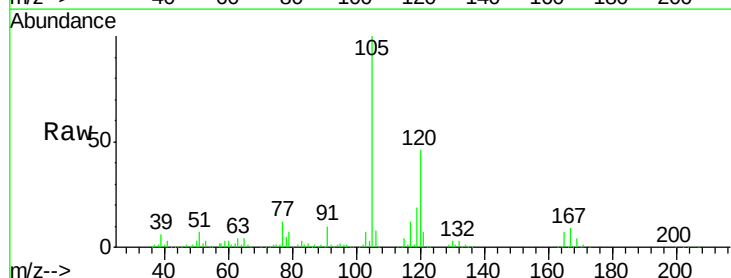
Manual Integrations
APPROVED

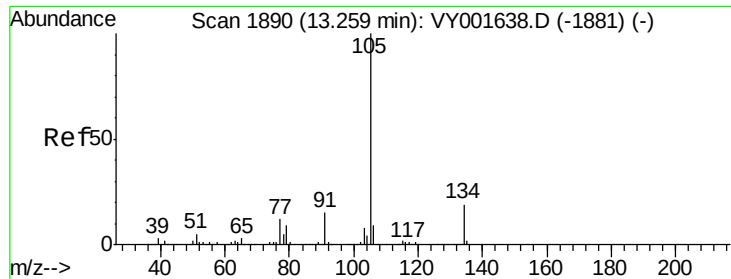
MMDadoda
3/2/2020 10:35:56 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.413 ug/l
RT: 13.14 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.4	67.3





#85

sec-Butylbenzene

Concen: 20.714 ug/l

RT: 13.27 min Scan# 1891

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

Instrument :

MSVOA_Y

ClientSampleId :

VY0228SBS01

Tot Ion:105 Resp: 210588

Ion Ratio Lower Upper

105 100

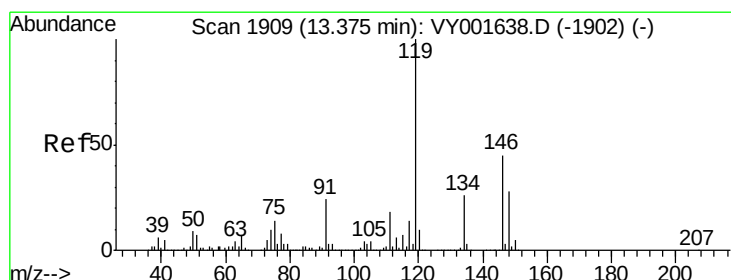
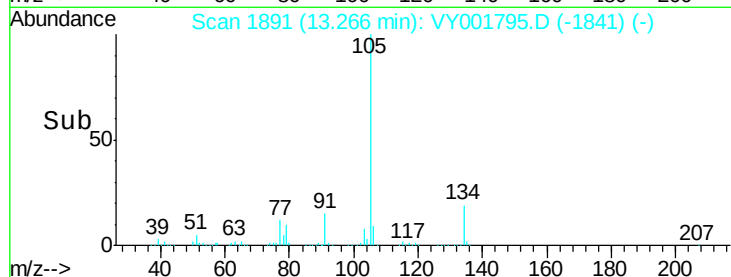
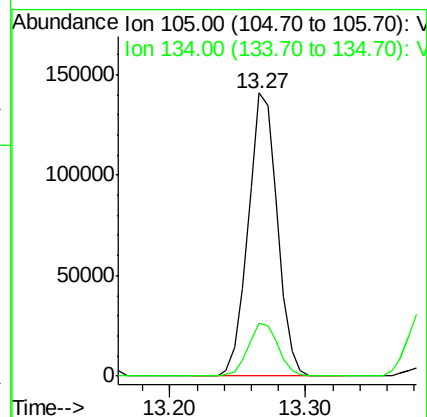
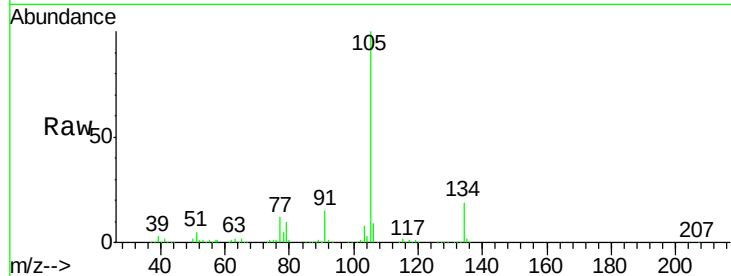
134 19.1 9.8 29.3

Manual Integrations

APPROVED

MMDadoda

3/2/2020 10:35:56 AM



#86

p-Isopropyltoluene

Concen: 20.574 ug/l

RT: 13.39 min Scan# 1911

Delta R.T. 0.01 min

Lab File: VY001795.D

Acq: 28 Feb 2020 11:24

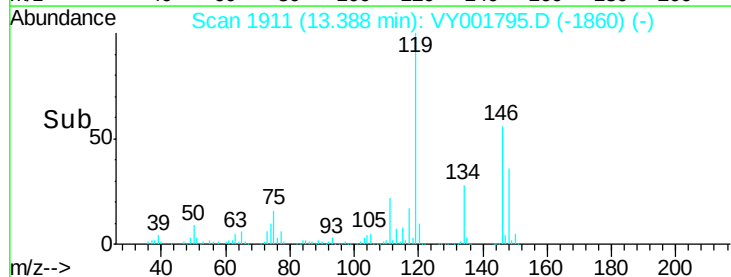
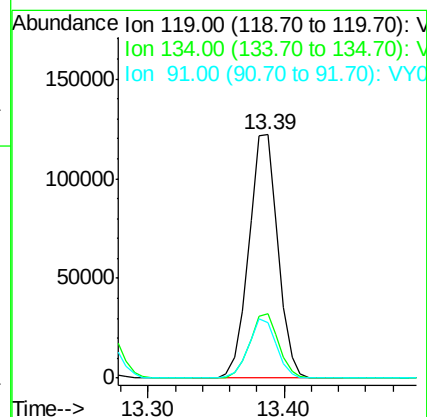
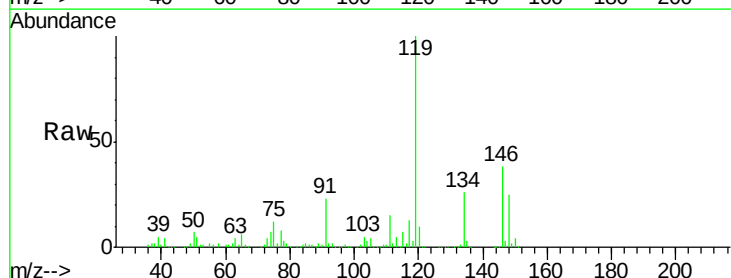
Tgt Ion:119 Resp: 181705

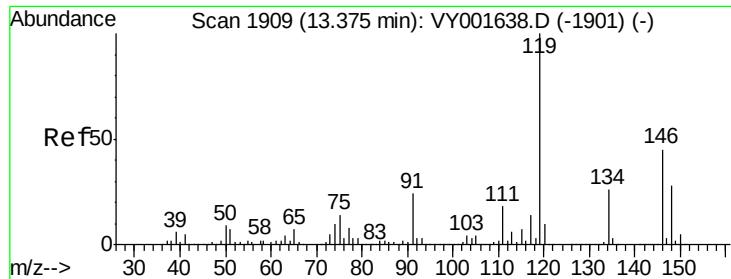
Ion Ratio Lower Upper

119 100

134 26.4 13.0 39.0

91 23.7 12.2 36.6





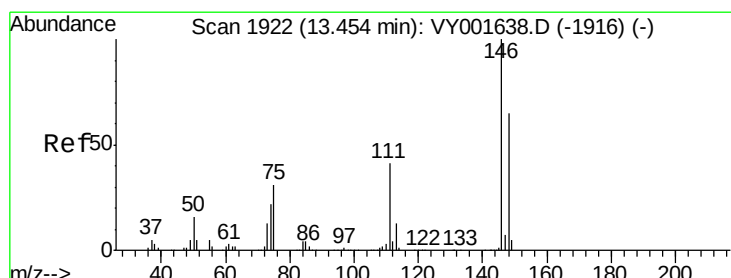
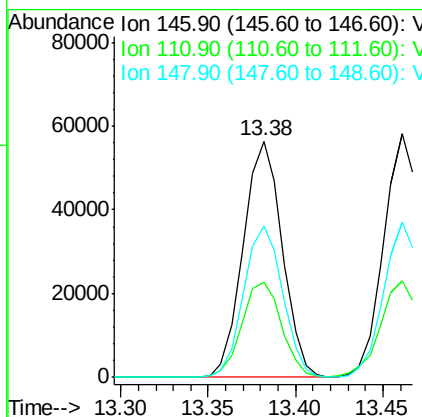
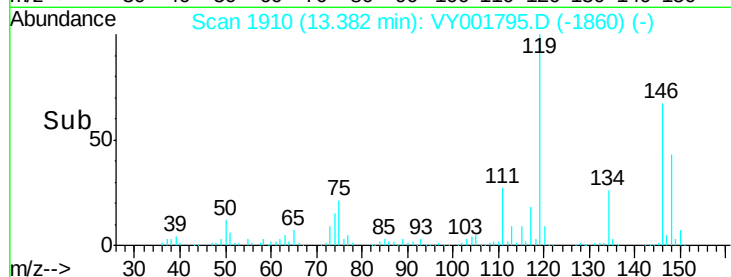
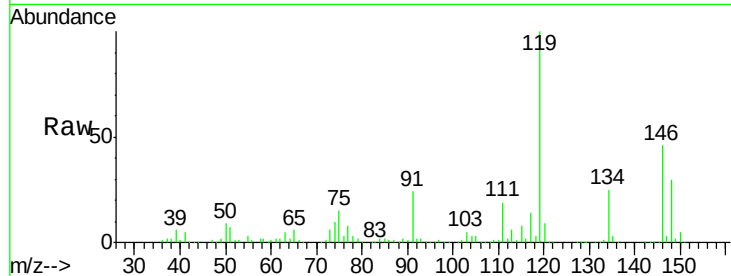
#87
 1,3-Dichlorobenzene
 Concen: 20.869 ug/l
 RT: 13.38 min Scan# 1910
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	21.4	64.3
148	63.9	31.6	94.7

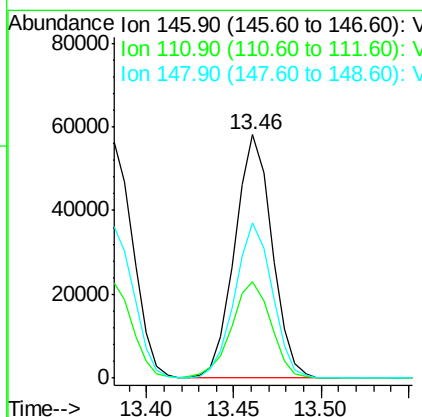
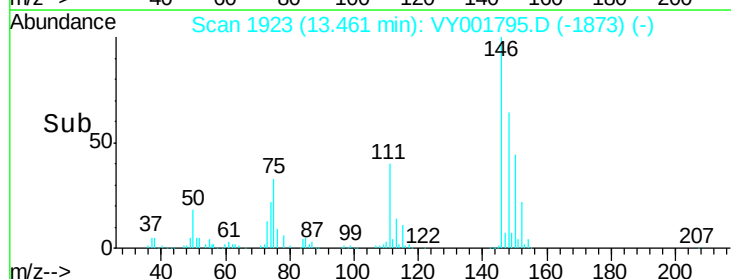
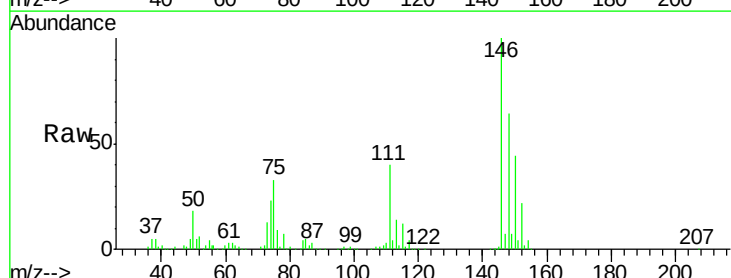
Manual Integrations
 APPROVED

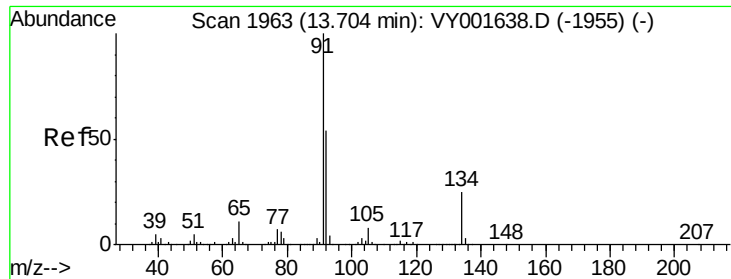
MMDadoda
 3/2/2020 10:35:56 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.423 ug/l
 RT: 13.46 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.4	61.3
148	64.3	31.6	94.7





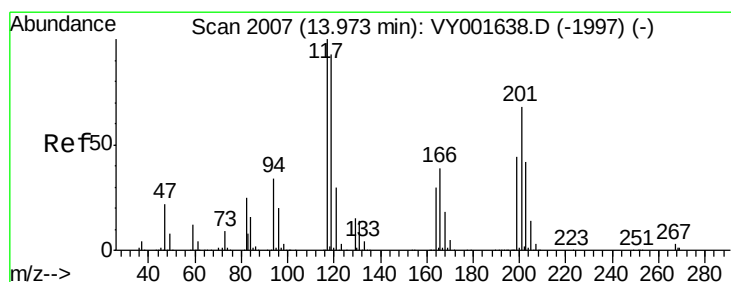
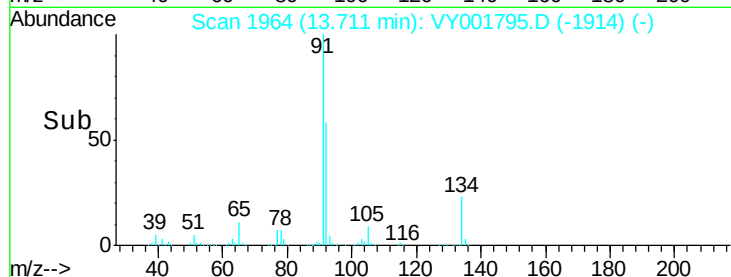
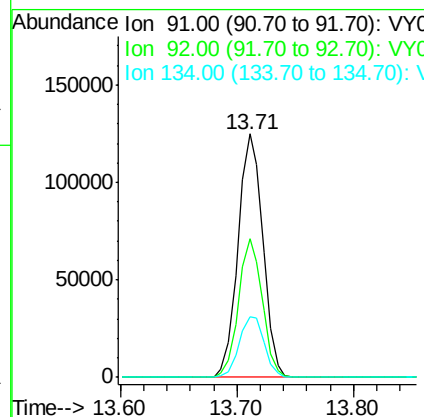
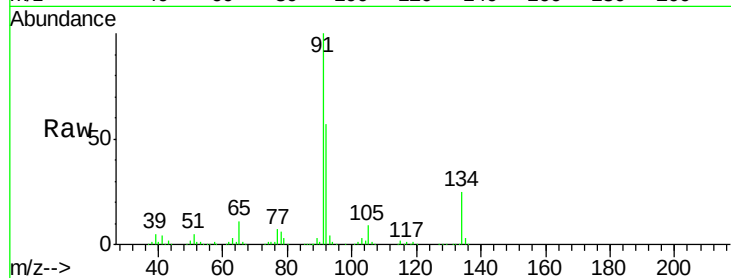
#89
n-Butylbenzene
Concen: 20.560 ug/l
RT: 13.71 min Scan# 1964
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	185543		
92	54.4		27.5	82.4
134	25.1		12.4	37.4

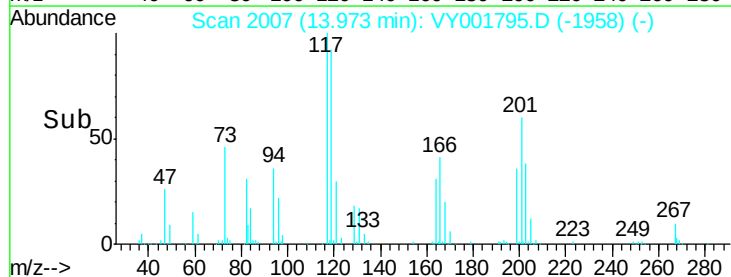
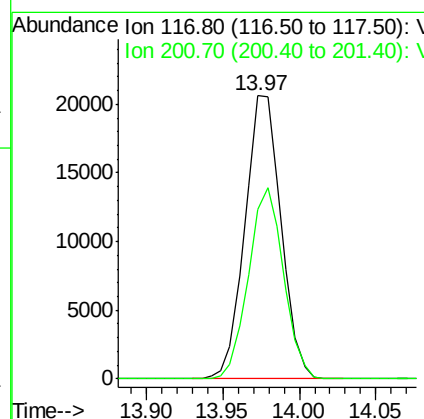
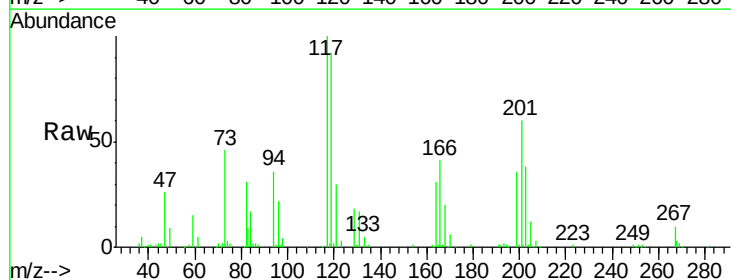
Manual Integrations
APPROVED

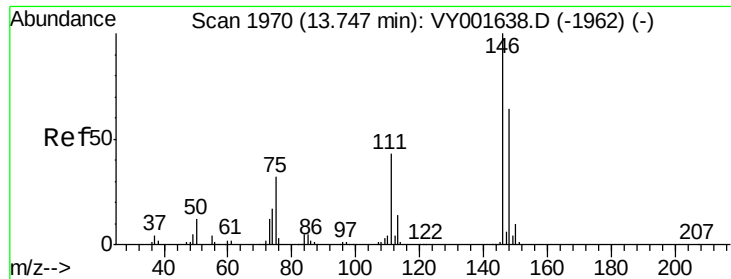
MMDadoda
3/2/2020 10:35:56 AM



#90
Hexachloroethane
Concen: 20.320 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	33812		
201	65.7		32.5	97.4





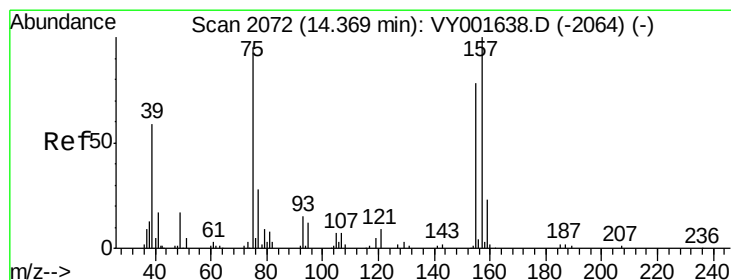
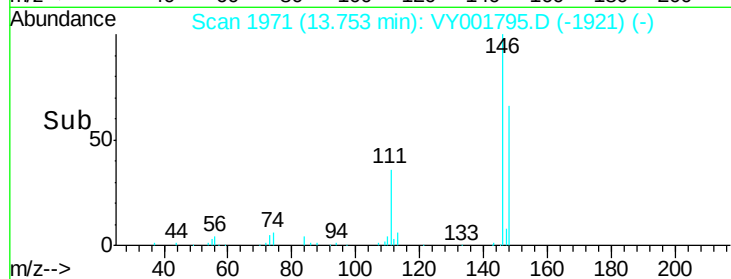
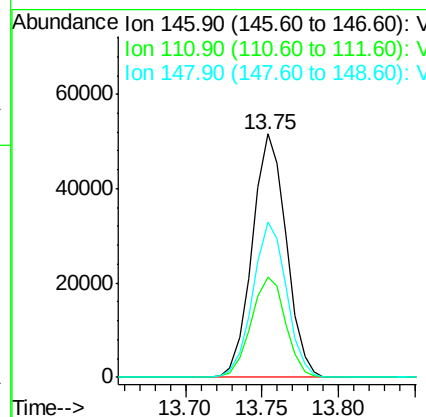
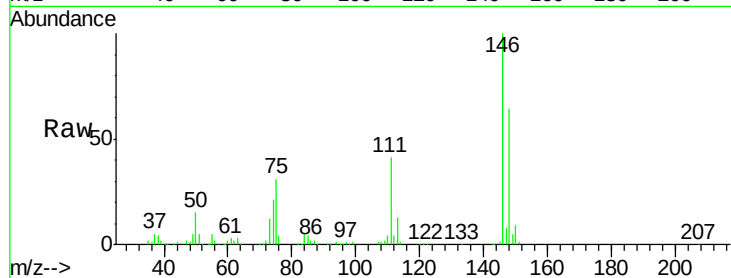
#91
 1,2-Dichlorobenzene
 Concen: 20.626 ug/l
 RT: 13.75 min Scan# 1971
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.9	65.7
148	63.2	31.5	94.5

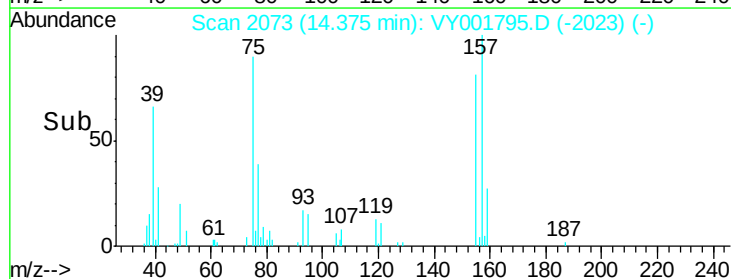
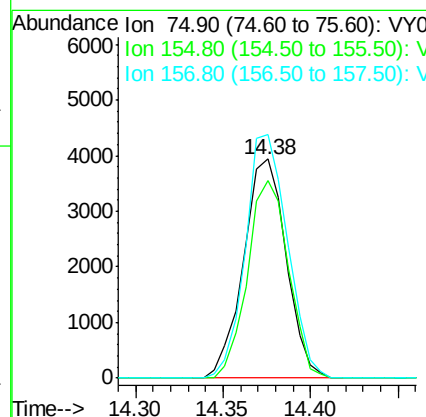
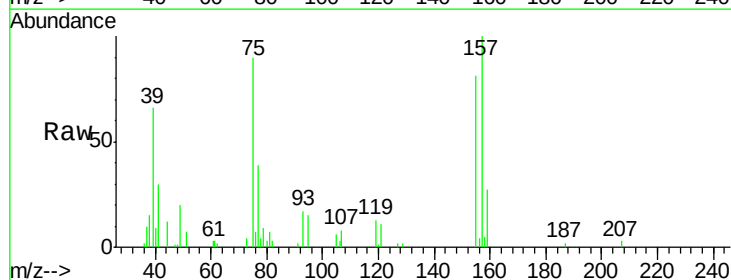
Manual Integrations
 APPROVED

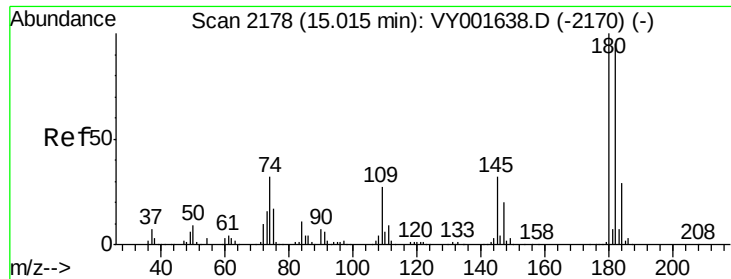
MMDadoda
 3/2/2020 10:35:56 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.995 ug/l
 RT: 14.38 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.0	40.8	122.4
157	109.9	52.1	156.4





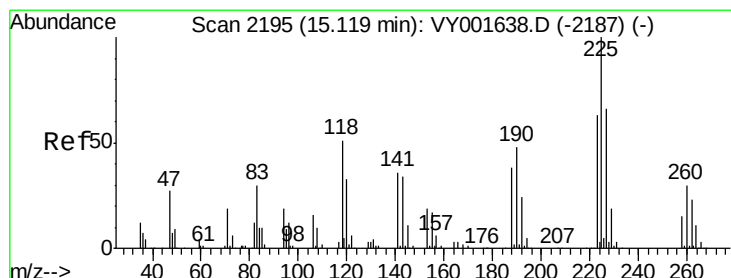
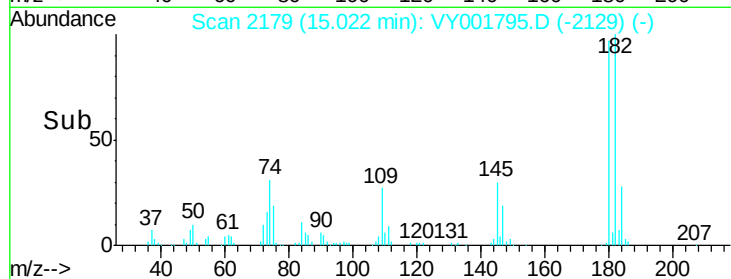
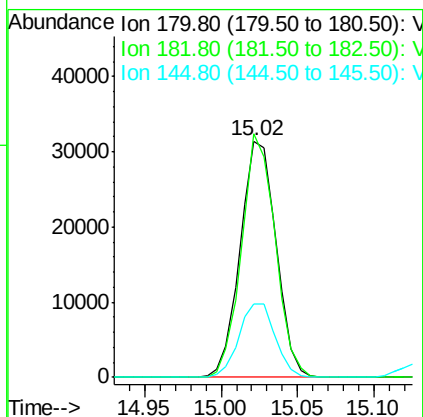
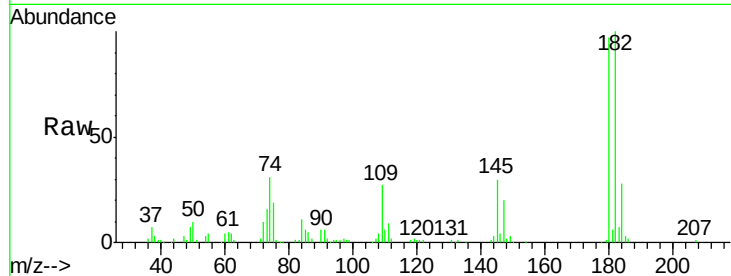
#93
 1,2,4-Trichlorobenzene
 Concen: 19.903 ug/l
 RT: 15.02 min Scan# 2179
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	51092		
182	96.9	46.8	140.3	
145	31.6	16.2	48.5	

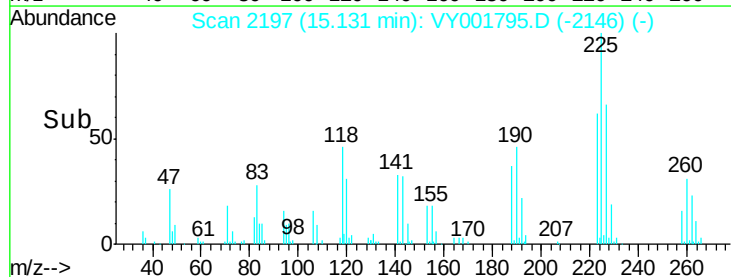
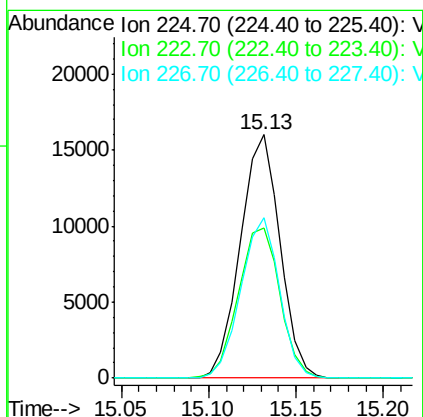
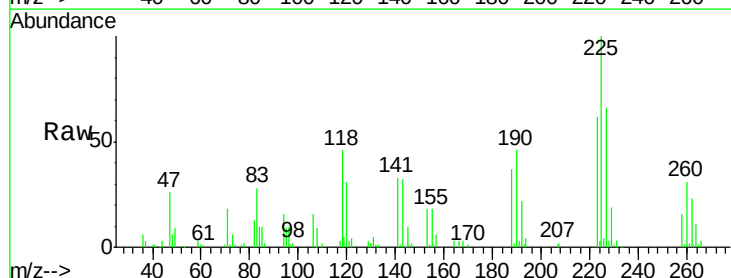
Manual Integrations
 APPROVED

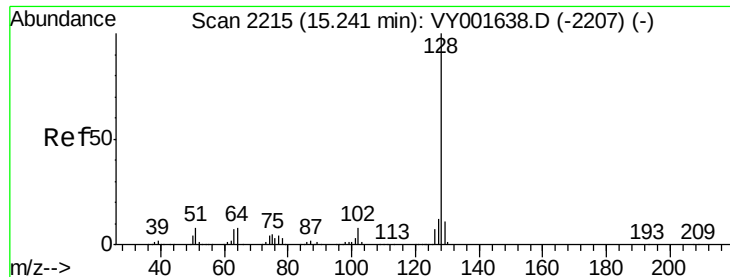
MMDadoda
 3/2/2020 10:35:56 AM



#94
 Hexachlorobutadiene
 Concen: 19.870 ug/l
 RT: 15.13 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: VY001795.D
 Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25368		
223	64.8	31.4	94.0	
227	63.9	31.6	94.8	





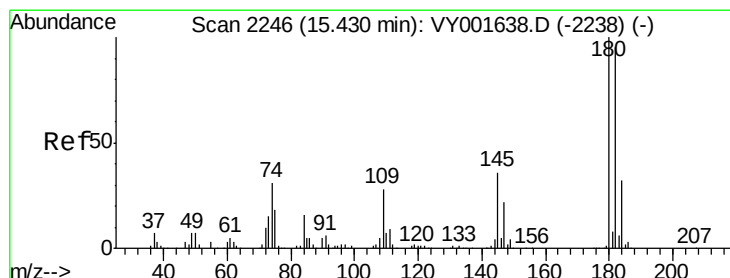
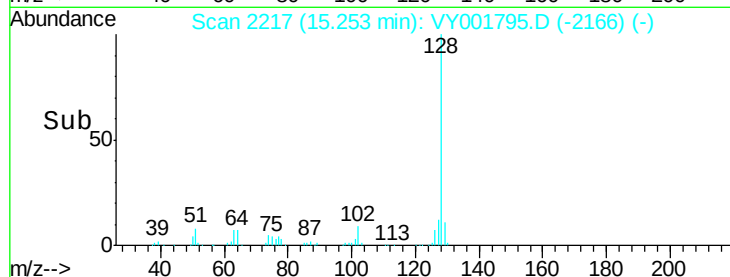
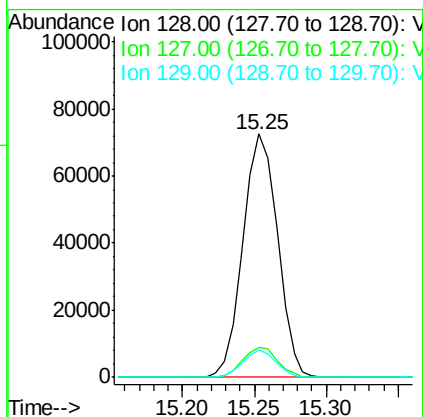
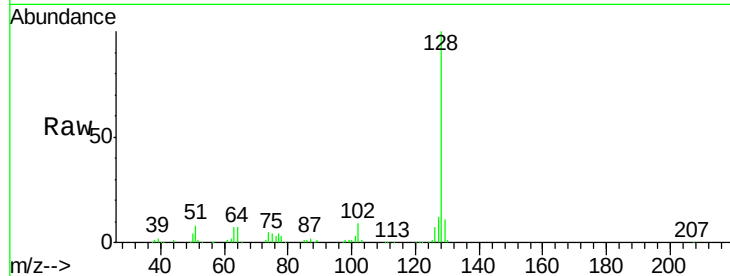
#95
Naphthalene
Concen: 20.461 ug/l
RT: 15.25 min Scan# 2217
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Instrument :
MSVOA_Y
ClientSampleId :
VY0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	121107		
127	12.5	9.9	14.9	
129	10.7	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
3/2/2020 10:35:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.123 ug/l
RT: 15.44 min Scan# 2248
Delta R.T. 0.01 min
Lab File: VY001795.D
Acq: 28 Feb 2020 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	45446		
182	94.3	47.2	141.6	
145	35.6	17.3	52.0	

