

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000324.D
 Acq On : 16 Oct 2019 13:03
 Operator : SY/MD
 Sample : VY1016SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:50:37 AM

Quant Time: Oct 17 01:46:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	298134	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	500074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	451166	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	217844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	171913	54.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.32%	
35) Dibromofluoromethane	7.73	113	153310	50.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.64%	
50) Toluene-d8	10.18	98	623068	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
62) 4-Bromofluorobenzene	12.48	95	222083	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	59894	23.087	ug/l	96
3) Chloromethane	2.12	50	74389	20.419	ug/l	98
4) Vinyl Chloride	2.25	62	79829	21.712	ug/l	100
5) Bromomethane	2.64	94	56474	20.726	ug/l	95
6) Chloroethane	2.79	64	48881	20.605	ug/l	98
7) Trichlorofluoromethane	3.13	101	106063	21.089	ug/l	98
8) Diethyl Ether	3.53	74	38200	21.500	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.91	101	65199	21.376	ug/l	97
10) Methyl Iodide	4.10	142	78919	18.921	ug/l	98
11) Tert butyl alcohol	4.97	59	34497	104.819	ug/l	97
12) 1,1-Dichloroethene	3.88	96	64218	21.327	ug/l	98
13) Acrolein	3.73	56	35617	92.308	ug/l	98
14) Allyl chloride	4.49	41	107070	21.457	ug/l	98
15) Acrylonitrile	5.18	53	103604	104.182	ug/l	98
16) Acetone	3.96	43	86611	85.043	ug/l	90
17) Carbon Disulfide	4.19	76	196428	20.719	ug/l	100
18) Methyl Acetate	4.49	43	55302	21.855	ug/l	95
19) Methyl tert-butyl Ether	5.24	73	183044	21.837	ug/l	94
20) Methylene Chloride	4.72	84	76497	18.913	ug/l	98
21) trans-1,2-Dichloroethene	5.22	96	72844	21.086	ug/l	88
22) Diisopropyl ether	6.13	45	229284	21.725	ug/l	96
23) Vinyl Acetate	6.07	43	730677	106.124	ug/l	99
24) 1,1-Dichloroethane	6.03	63	122642	21.290	ug/l	97
25) 2-Butanone	7.00	43	149142	103.957	ug/l	100
26) 2,2-Dichloropropane	7.00	77	112333	21.162	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	78979	21.128	ug/l	99
28) Bromochloromethane	7.35	49	48218	19.498	ug/l	99
29) Tetrahydrofuran	7.36	42	92562	106.460	ug/l	97
30) Chloroform	7.52	83	123389	21.269	ug/l	97
31) Cyclohexane	7.79	56	124810	20.744	ug/l	94
32) 1,1,1-Trichloroethane	7.72	97	107791	20.899	ug/l	99
36) 1,1-Dichloropropene	7.93	75	97644	19.943	ug/l	99
37) Ethyl Acetate	7.09	43	57406	19.802	ug/l	97
38) Carbon Tetrachloride	7.91	117	92489	19.510	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
 Data File : VY000324.D
 Acq On : 16 Oct 2019 13:03
 Operator : SY/MD
 Sample : VY1016SBS01
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:50:37 AM

Quant Time: Oct 17 01:46:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 08:10:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	127815	19.946	ug/l	93
40) Benzene	8.17	78	287199	20.298	ug/l	99
41) Methacrylonitrile	7.33	41	24193m	17.532	ug/l	
42) 1,2-Dichloroethane	8.25	62	83434	20.644	ug/l	98
43) Isopropyl Acetate	8.28	43	114277	20.731	ug/l	99
44) Trichloroethene	8.95	130	78123	19.678	ug/l	97
45) 1,2-Dichloropropane	9.22	63	72661	20.926	ug/l	93
46) Dibromomethane	9.31	93	39498	20.349	ug/l	97
47) Bromodichloromethane	9.50	83	92952	20.320	ug/l	92
48) Methyl methacrylate	9.30	41	50571	20.934	ug/l	97
49) 1,4-Dioxane	9.31	88	11188	384.423	ug/l	94
51) 4-Methyl-2-Pentanone	10.08	43	296477	104.280	ug/l	99
52) Toluene	10.25	92	181435	20.197	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	100169	20.432	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	115328	20.715	ug/l	95
55) 1,1,2-Trichloroethane	10.65	97	58317	20.664	ug/l	97
56) Ethyl methacrylate	10.52	69	85655	21.293	ug/l	99
57) 1,3-Dichloropropane	10.80	76	101741	20.991	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.79	63	205582	128.128	ug/l	99
59) 2-Hexanone	10.83	43	221081	110.784	ug/l	99
60) Dibromochloromethane	10.99	129	63738	20.376	ug/l	97
61) 1,2-Dibromoethane	11.09	107	57422	21.191	ug/l	98
64) Tetrachloroethene	10.72	164	83789	19.508	ug/l	97
65) Chlorobenzene	11.52	112	192819	20.251	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	68914	20.604	ug/l	100
67) Ethyl Benzene	11.60	91	354723	20.097	ug/l	99
68) m/p-Xylenes	11.70	106	268799	39.836	ug/l	98
69) o-Xylene	12.03	106	129470	20.113	ug/l	99
70) Styrene	12.05	104	215155	19.819	ug/l	99
71) Bromoform	12.21	173	39078	20.324	ug/l #	98
73) Isopropylbenzene	12.33	105	344185	20.263	ug/l	99
74) N-amyl acetate	12.14	43	101735	24.397	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	66378	20.813	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	55527m	20.729	ug/l	
77) Bromobenzene	12.61	156	77378	20.472	ug/l	98
78) n-propylbenzene	12.67	91	412362	20.219	ug/l	100
79) 2-Chlorotoluene	12.75	91	233439	20.726	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	294744	20.694	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	24504	20.015	ug/l	97
82) 4-Chlorotoluene	12.86	91	245838	20.649	ug/l	99
83) tert-Butylbenzene	13.08	119	247499	20.519	ug/l	100
84) 1,2,4-Trimethylbenzene	13.12	105	291085	20.707	ug/l	99
85) sec-Butylbenzene	13.25	105	354589	20.322	ug/l	99
86) p-Isopropyltoluene	13.37	119	317392	20.864	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	148909	19.995	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	150964	20.281	ug/l	99
89) n-Butylbenzene	13.70	91	311522	20.723	ug/l	99
90) Hexachloroethane	13.96	117	57651	20.466	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	141199	20.951	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	12294	20.325	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101619\
Data File : VY000324.D
Acq On : 16 Oct 2019 13:03
Operator : SY/MD
Sample : VY1016SBSD01
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBSD01

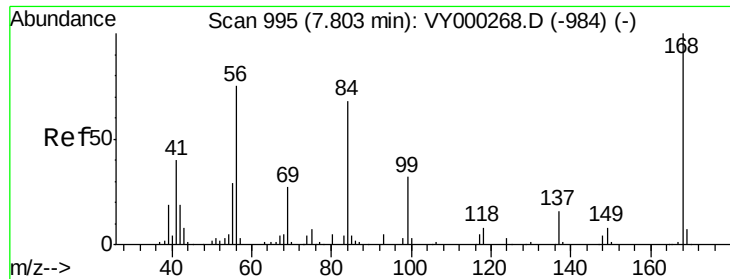
Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM

Quant Time: Oct 17 01:46:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 14 08:10:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	97620	20.804	ug/l	100
94) Hexachlorobutadiene	15.11	225	49719	19.579	ug/l	98
95) Naphthalene	15.23	128	224856	21.473	ug/l	100
96) 1,2,3-Trichlorobenzene	15.42	180	89706	21.212	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion:168 Resp: 298134

Ion Ratio Lower Upper

168 100

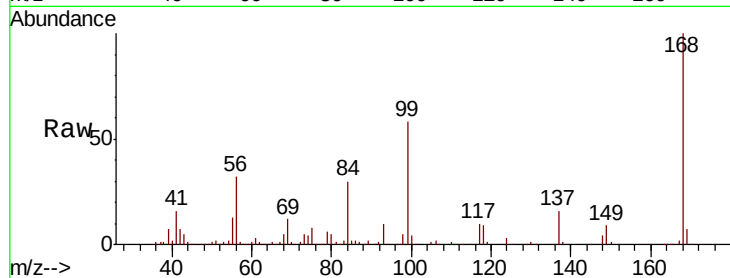
99 58.1 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000324.D (-946) (-)

Ion 98.90 (98.60 to 99.60): VY000324.D (-946) (-)

7.80

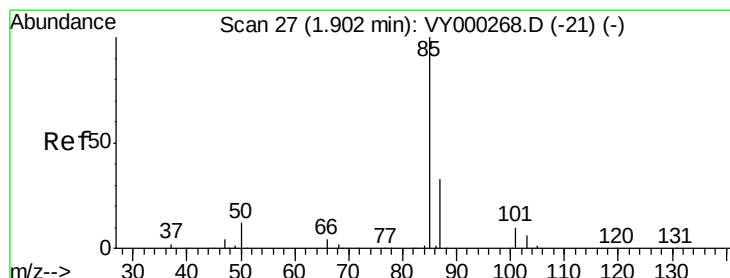
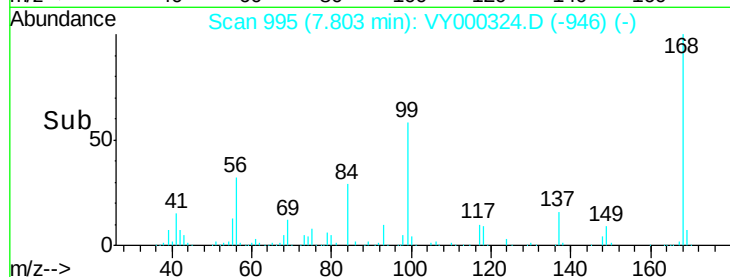
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.087 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000324.D

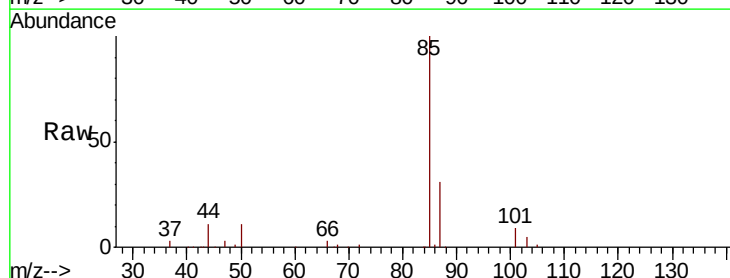
Acq: 16 Oct 2019 13:03

Tgt Ion: 85 Resp: 59894

Ion Ratio Lower Upper

85 100

87 30.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000324.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VY000324.D (-1) (-)

1.90

40000

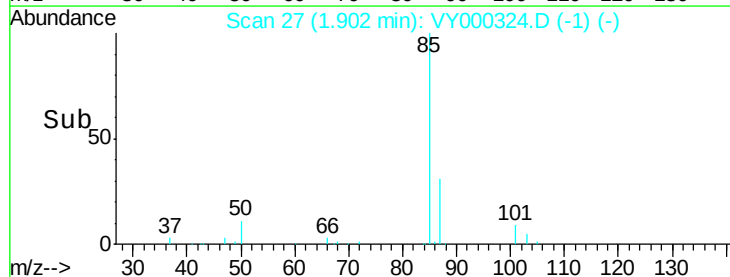
30000

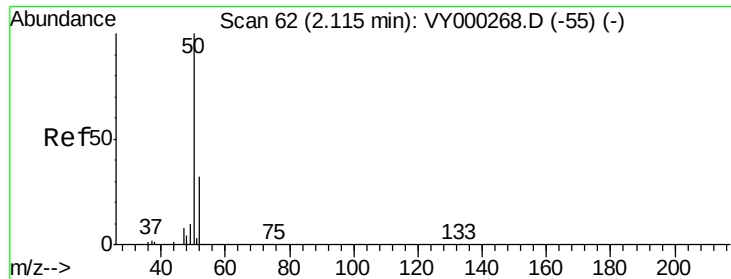
20000

10000

0

Time-->





#3

Chloromethane

Concen: 20.419 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 50 Resp: 74389

Ion Ratio Lower Upper

50 100

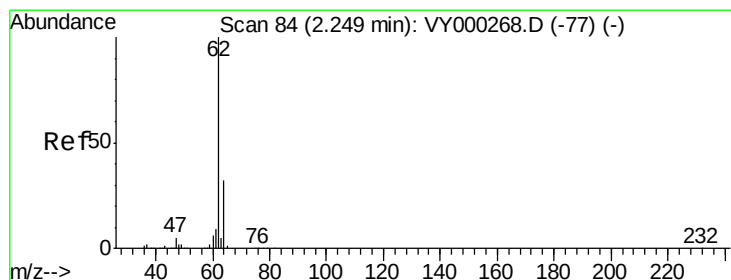
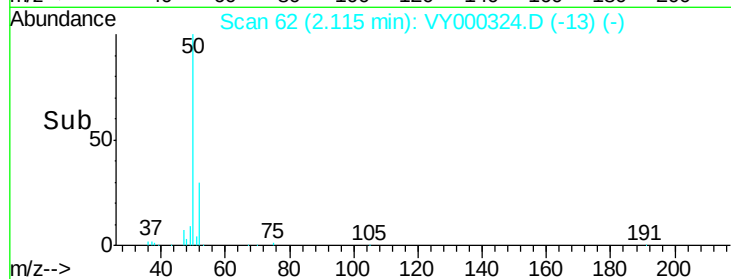
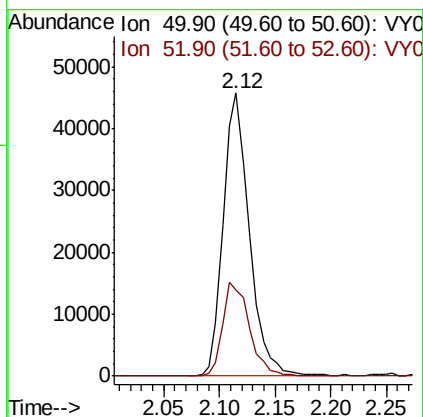
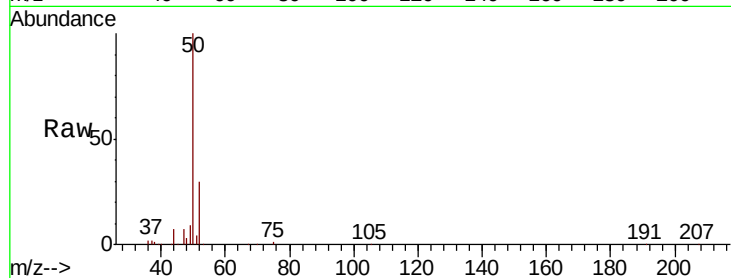
52 30.4 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



#4

Vinyl Chloride

Concen: 21.712 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000324.D

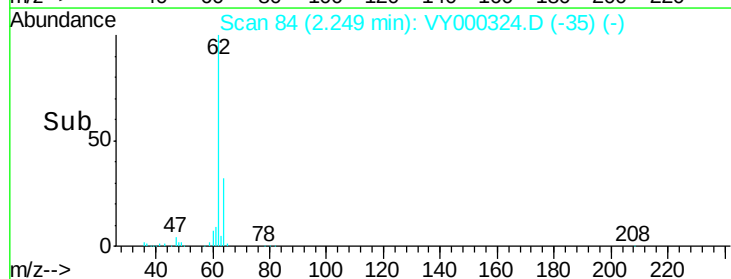
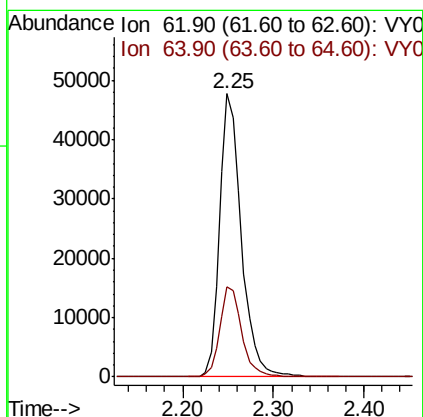
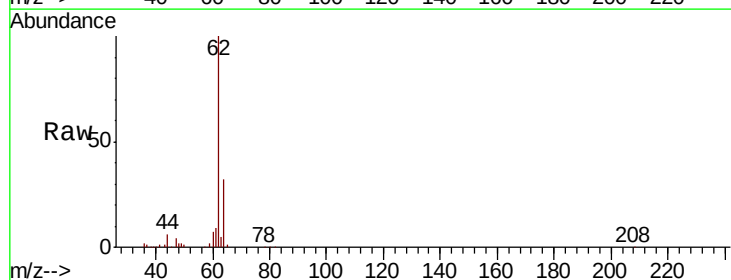
Acq: 16 Oct 2019 13:03

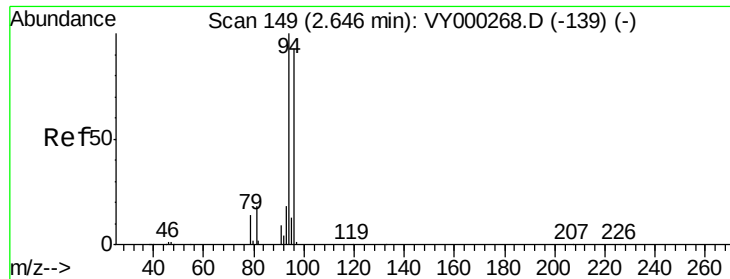
Tgt Ion: 62 Resp: 79829

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 20.726 ug/l

RT: 2.64 min Scan# 148

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 94 Resp: 56474

Ion Ratio Lower Upper

94 100

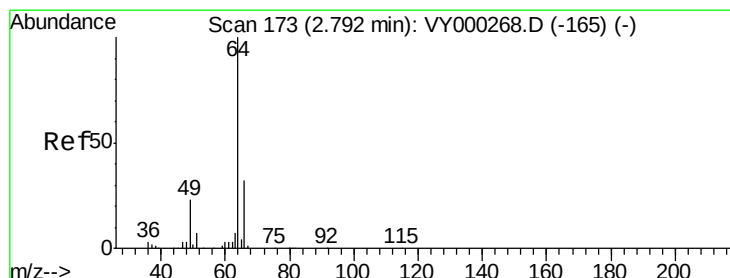
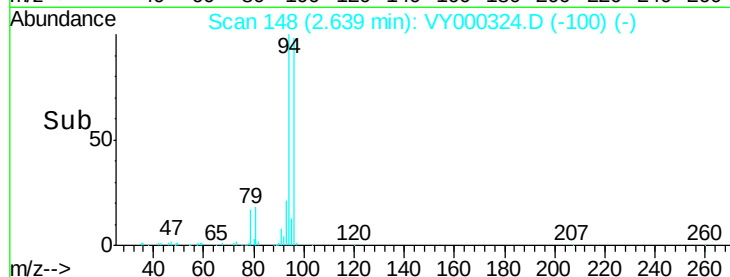
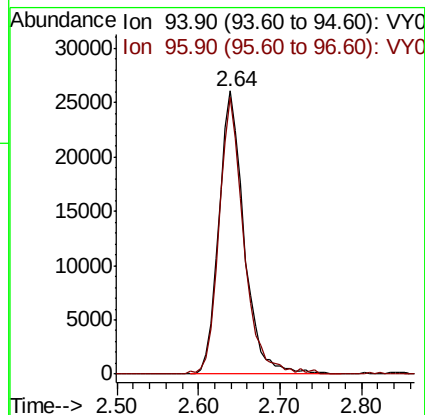
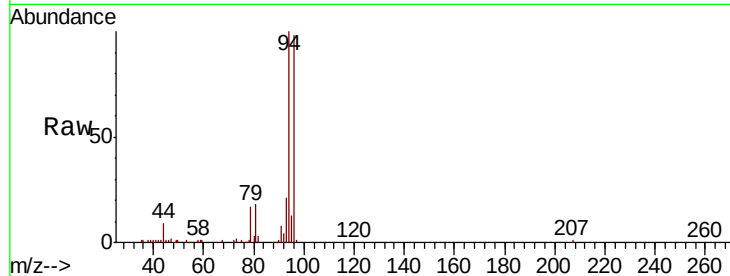
96 97.8 74.2 111.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



#6

Chloroethane

Concen: 20.605 ug/l

RT: 2.79 min Scan# 173

Delta R.T. -0.00 min

Lab File: VY000324.D

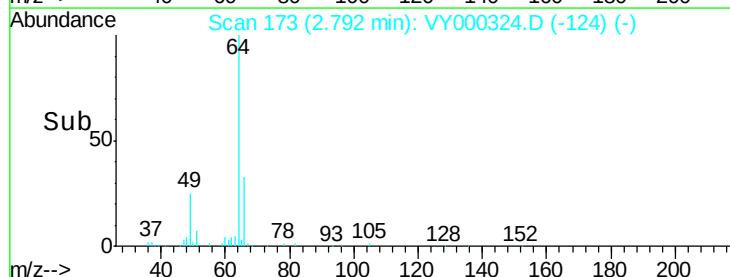
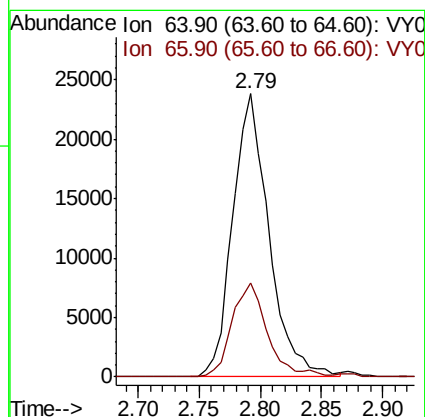
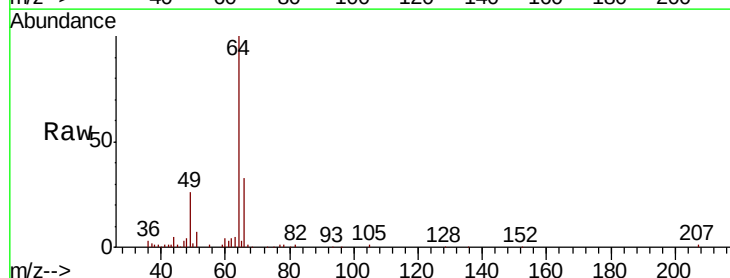
Acq: 16 Oct 2019 13:03

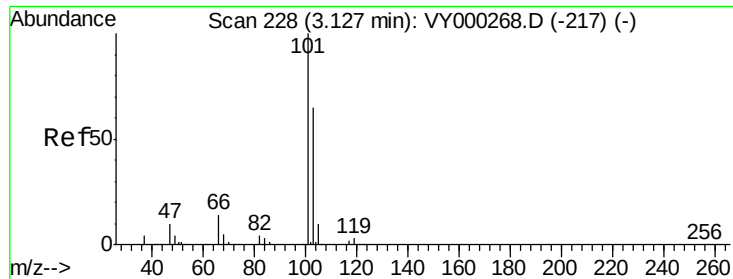
Tgt Ion: 64 Resp: 48881

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4





#7

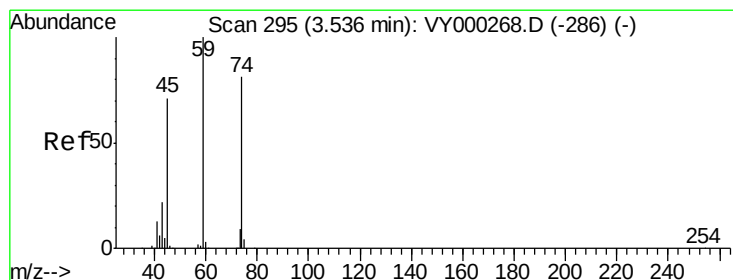
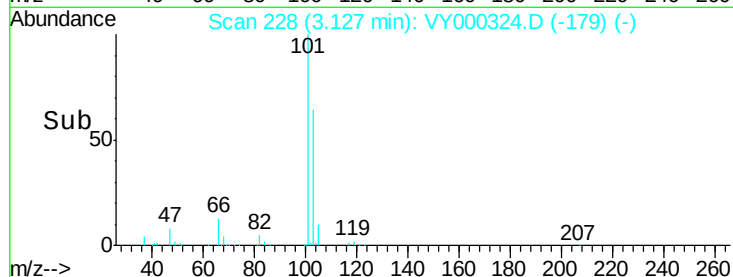
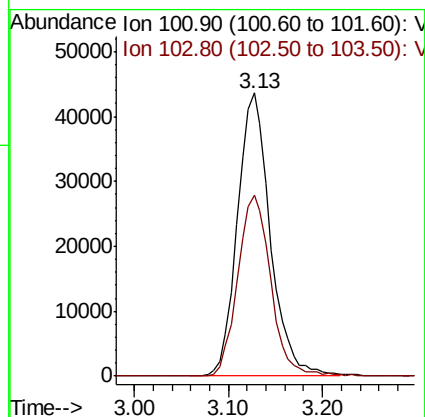
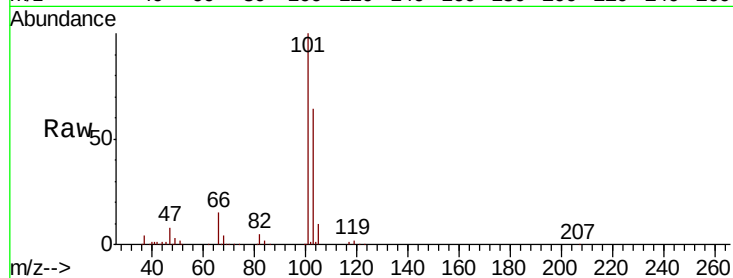
Trichlorofluoromethane
 Concen: 21.089 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.4

Manual Integrations
 APPROVED

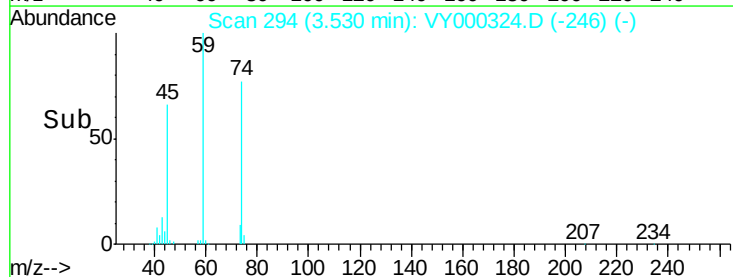
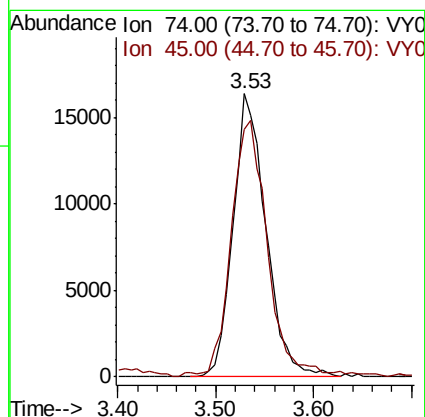
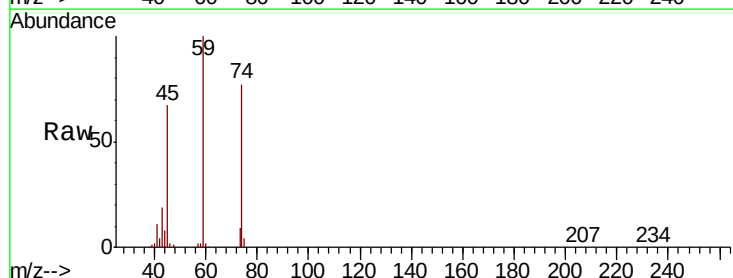
MMDadoda
 10/18/2019 12:50:37 AM

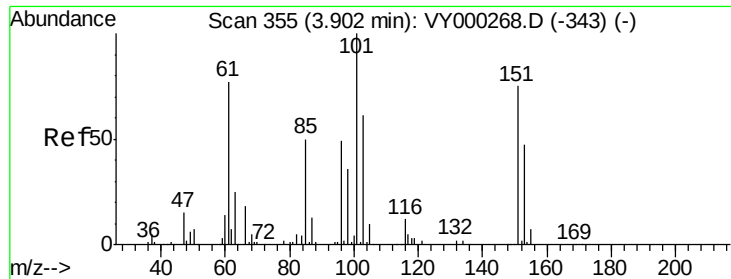


#8

Diethyl Ether
 Concen: 21.500 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.376 ug/l

RT: 3.91 min Scan# 357

Delta R.T. 0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

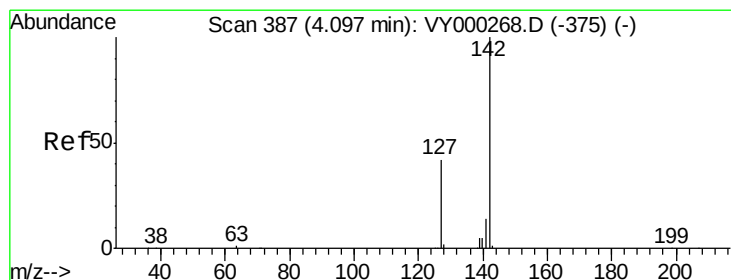
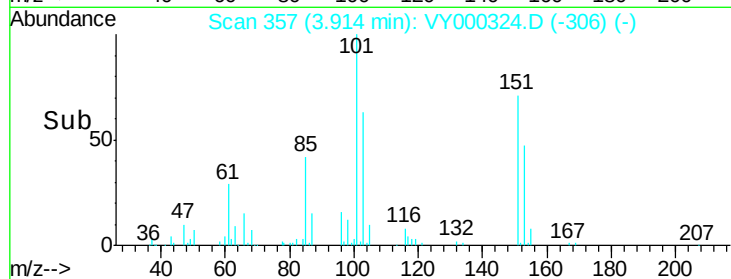
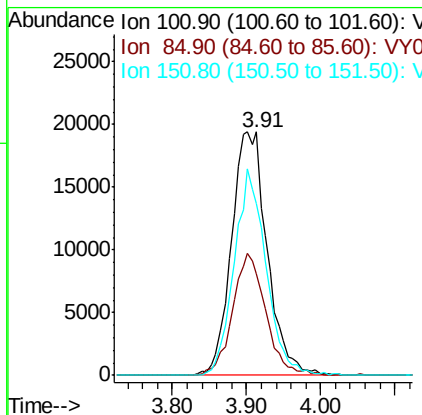
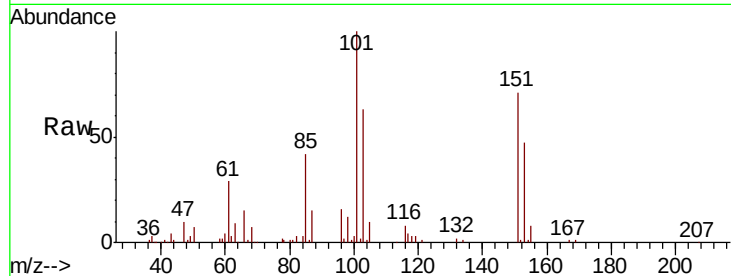
ClientSampleId :

VY1016SBS01

Tot Ion:	101	Resp:	65199
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.6	55.0
151	75.8	63.1	94.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#10

Methyl Iodide

Concen: 18.921 ug/l

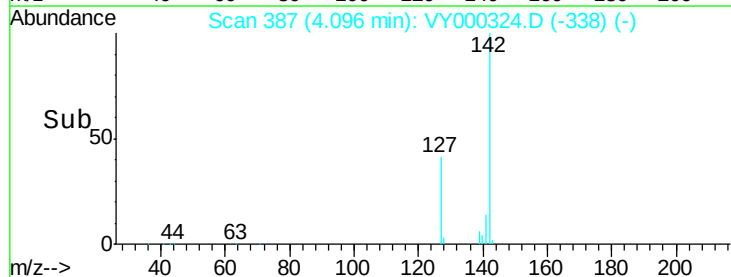
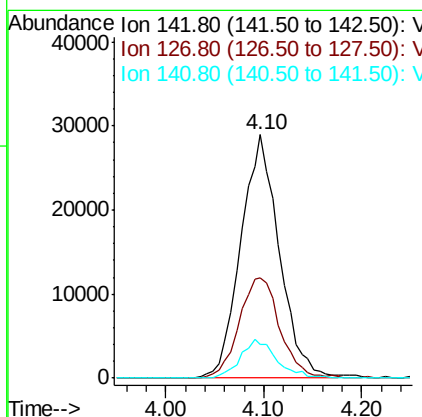
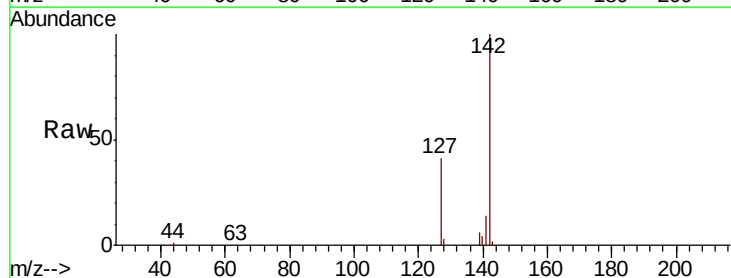
RT: 4.10 min Scan# 387

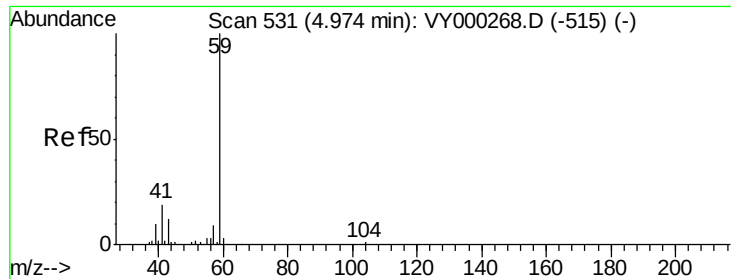
Delta R.T. 0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	142	Resp:	78919
Ion Ratio	Lower	Upper	
142	100		
127	43.6	33.9	50.9
141	15.1	11.2	16.8





#11

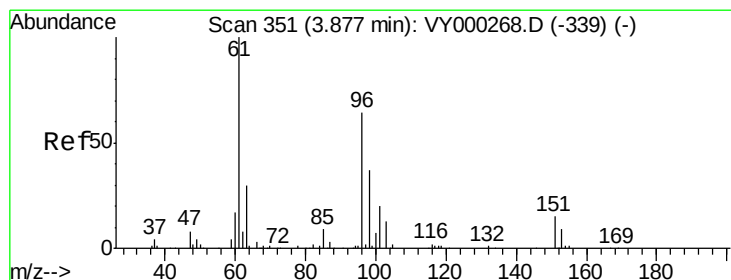
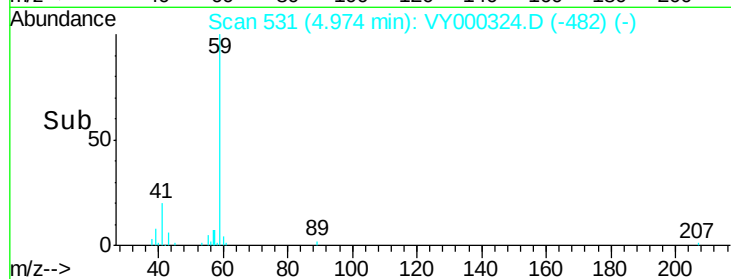
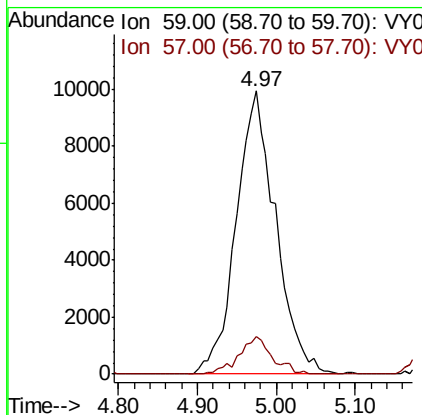
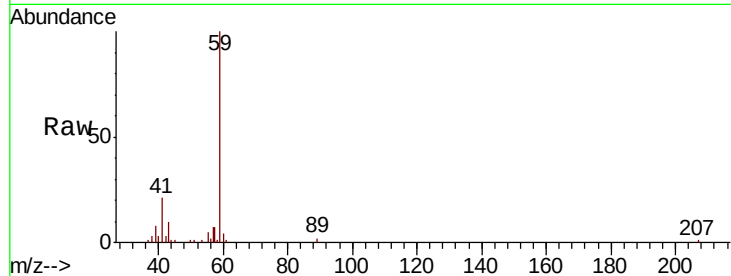
Tert butyl alcohol
Concen: 104.819 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	59	Resp	34497
Ion Ratio	100	Lower	Upper
57	11.2	8.2	12.2

Manual Integrations
APPROVED

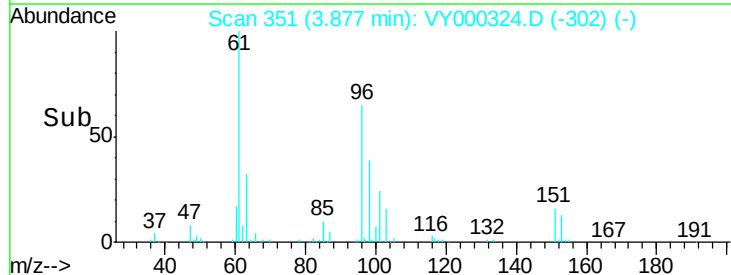
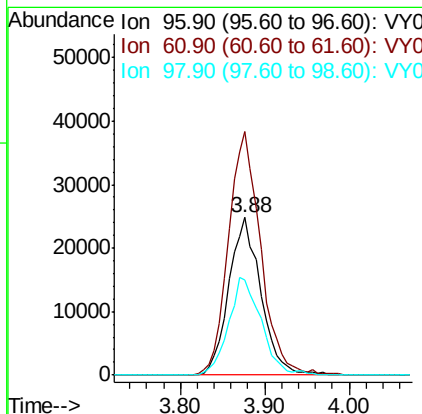
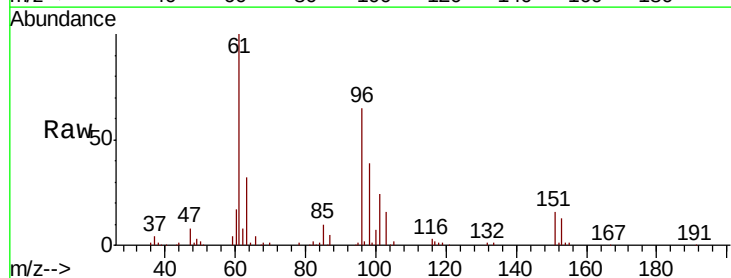
MMDadoda
10/18/2019 12:50:37 AM

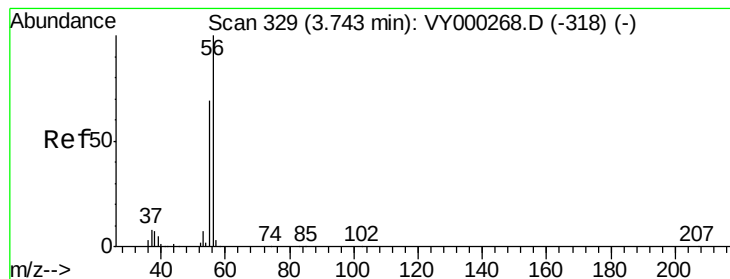


#12

1,1-Dichloroethene
Concen: 21.327 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	96	Resp	64218
Ion Ratio	100	Lower	Upper
61	154.6	125.8	188.6
98	60.3	46.2	69.2





#13

Acrolein

Concen: 92.308 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 56 Resp: 35617

Ion Ratio Lower Upper

56 100

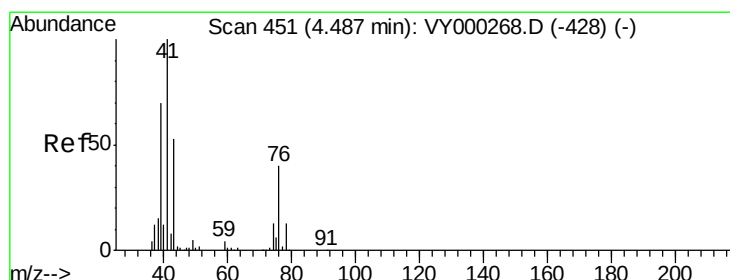
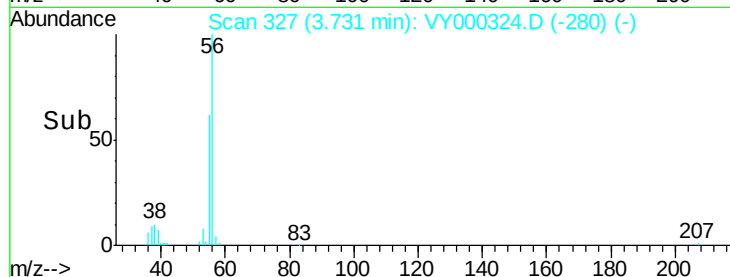
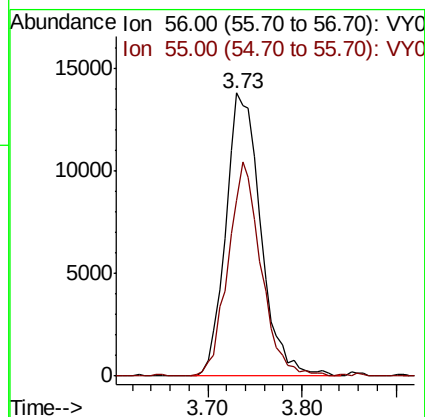
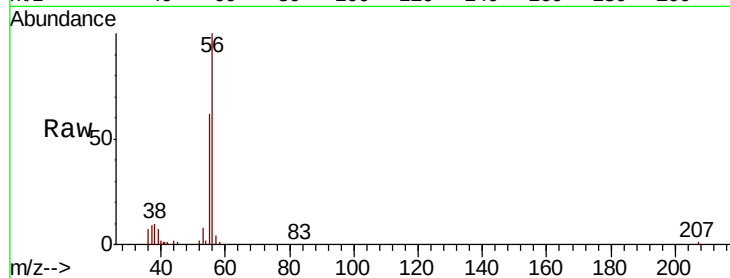
55 71.1 55.7 83.5

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



#14

Allyl chloride

Concen: 21.457 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

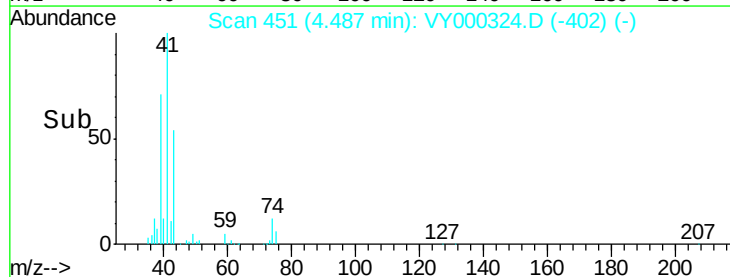
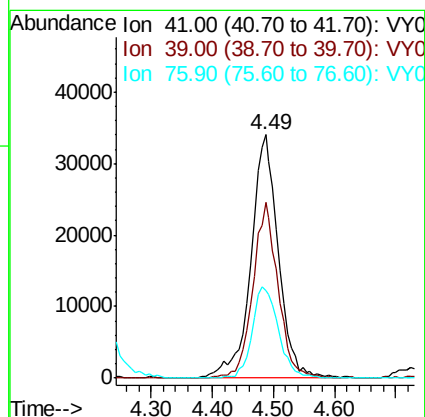
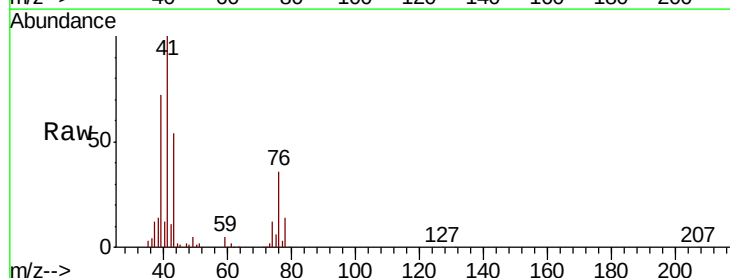
Tgt Ion: 41 Resp: 107070

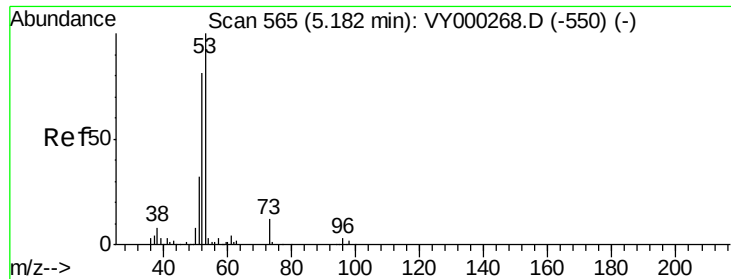
Ion Ratio Lower Upper

41 100

39 66.5 54.0 81.0

76 36.0 30.7 46.1





#15

Acrylonitrile

Concen: 104.182 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

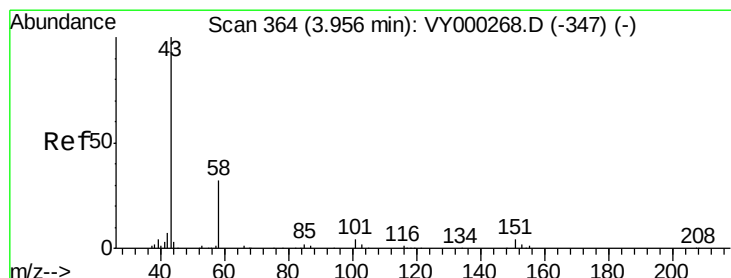
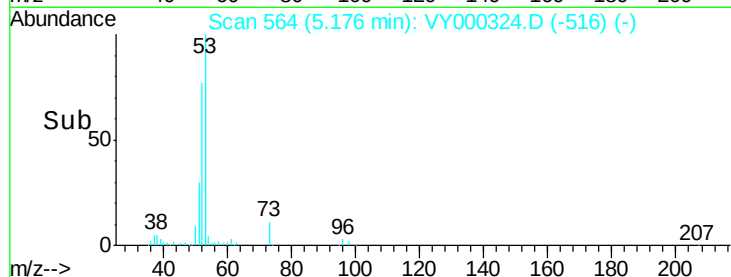
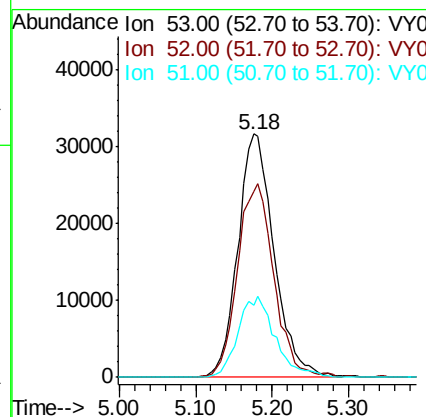
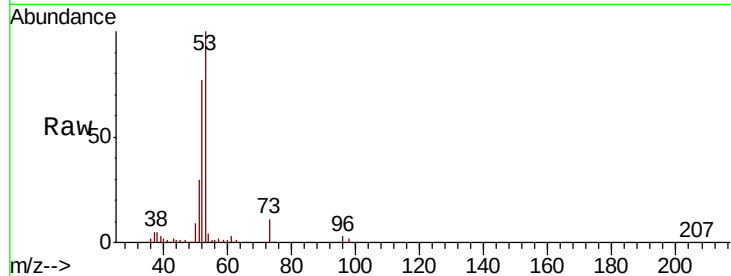
ClientSampleId :

VY1016SBS01

Tot Ion:	53	Resp:	103604
Ion	Ratio	Lower	Upper
53	100		
52	80.2	62.9	94.3
51	34.3	26.9	40.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#16

Acetone

Concen: 85.043 ug/l

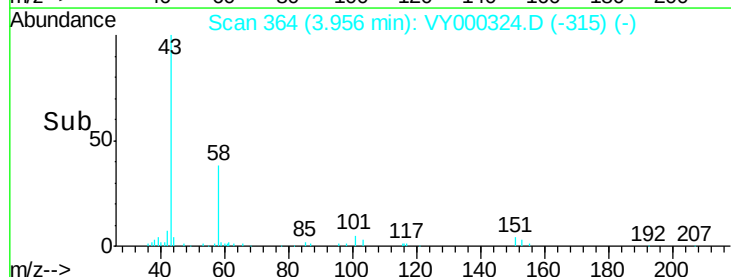
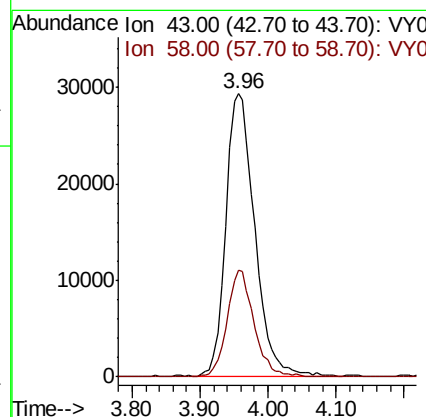
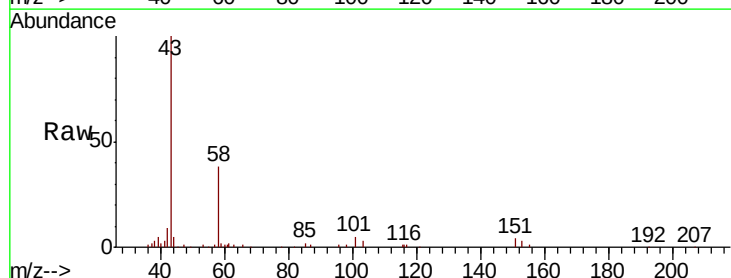
RT: 3.96 min Scan# 364

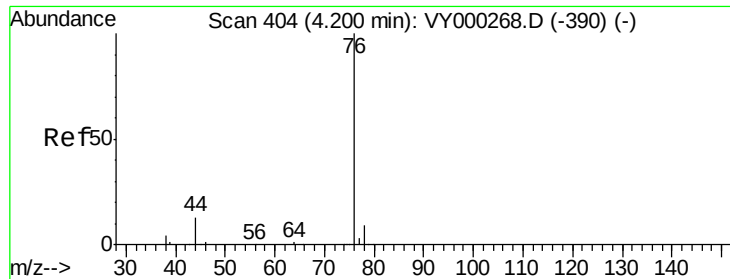
Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	43	Resp:	86611
Ion	Ratio	Lower	Upper
43	100		
58	37.8	25.8	38.6





#17

Carbon Disulfide

Concen: 20.719 ug/l

RT: 4.19 min Scan# 403

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 76 Resp: 196428

Ion Ratio Lower Upper

76 100

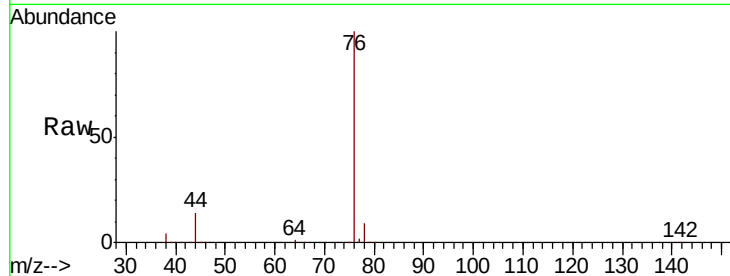
78 8.6 7.0 10.4

Manual Integrations

APPROVED

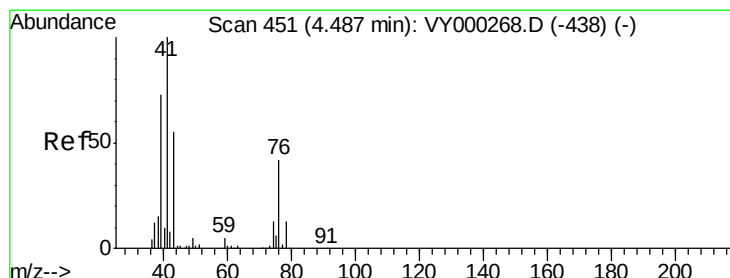
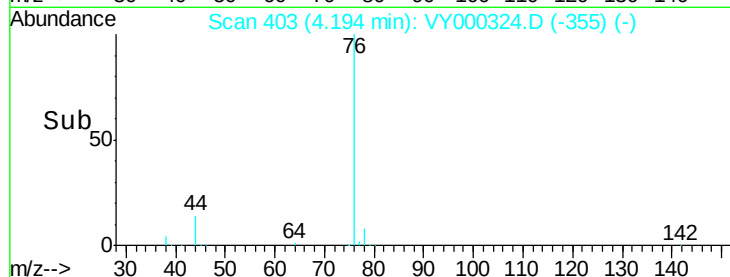
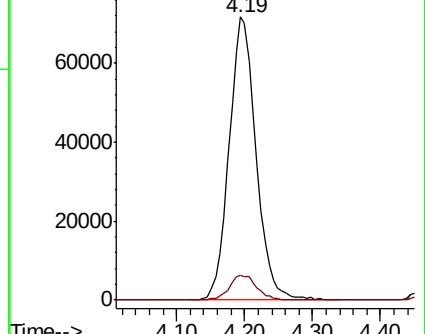
MMDadoda

10/18/2019 12:50:37 AM



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#18

Methyl Acetate

Concen: 21.855 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000324.D

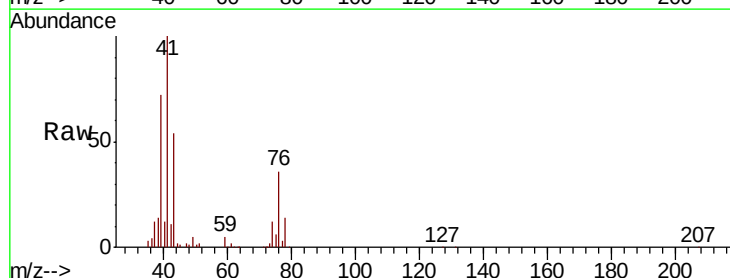
Acq: 16 Oct 2019 13:03

Tgt Ion: 43 Resp: 55302

Ion Ratio Lower Upper

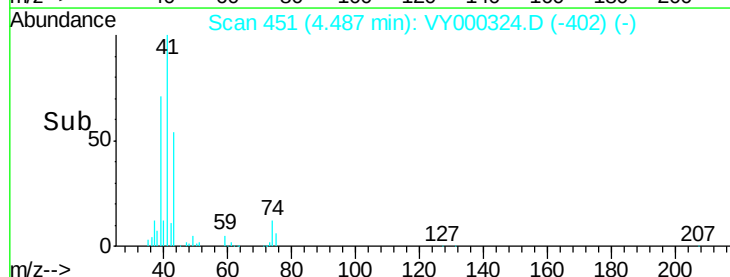
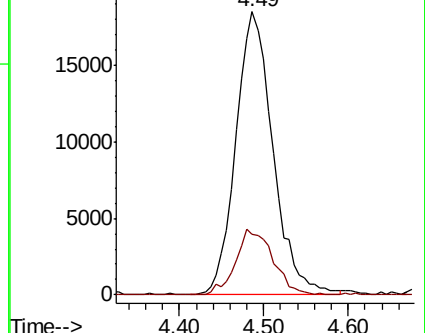
43 100

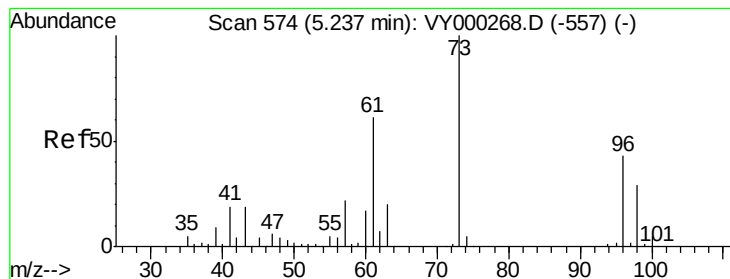
74 23.2 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 74.00 (73.70 to 74.70): VY0





#19

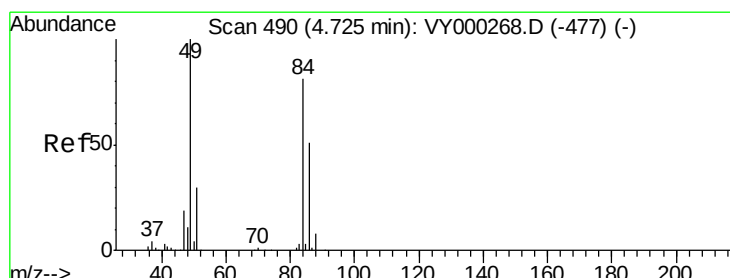
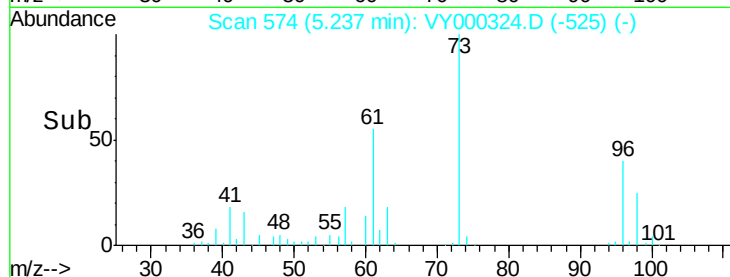
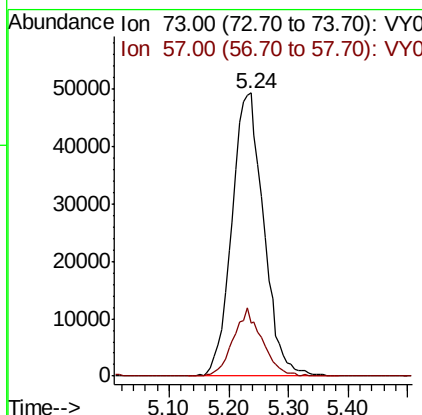
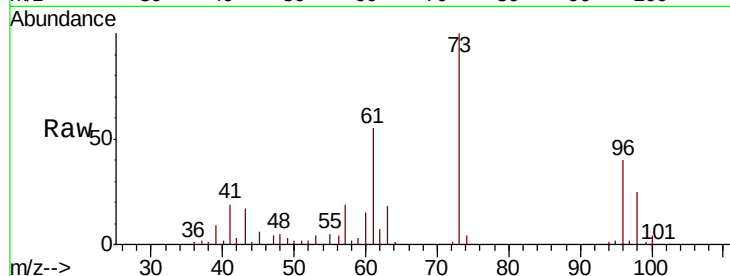
Methyl tert-butyl Ether
 Concen: 21.837 ug/l
 RT: 5.24 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.9	17.4	26.0

Manual Integrations
 APPROVED

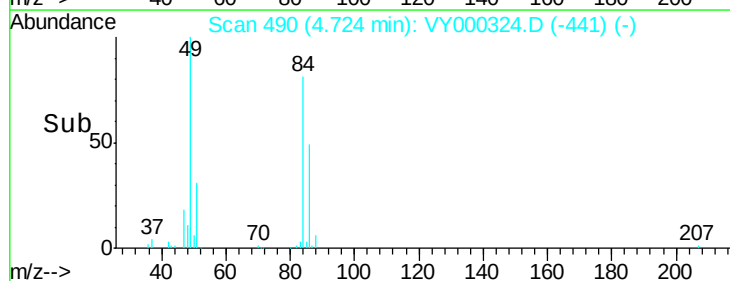
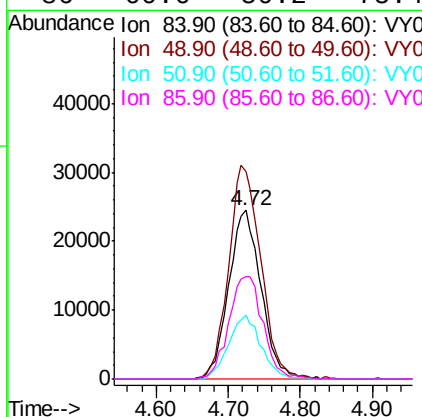
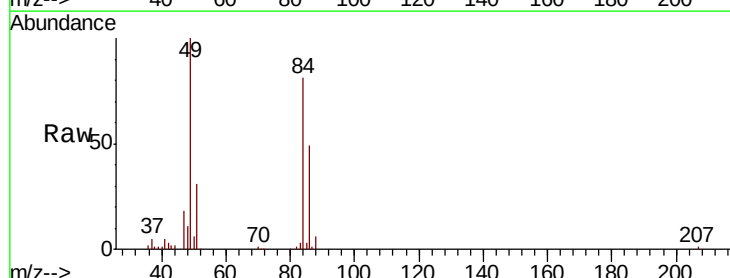
MMDadoda
 10/18/2019 12:50:37 AM

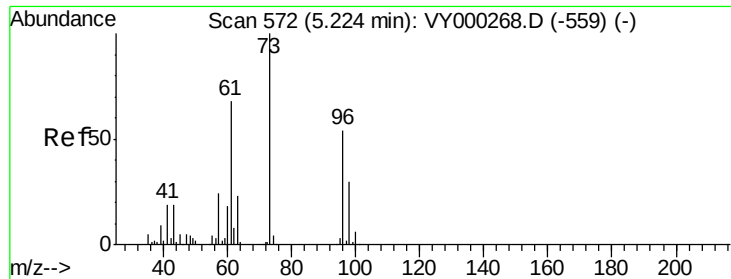


#20

Methylene Chloride
 Concen: 18.913 ug/l
 RT: 4.72 min Scan# 490
 Delta R.T. 0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	123.2	99.0	148.4
51	38.3	29.3	43.9
86	60.6	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 21.086 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

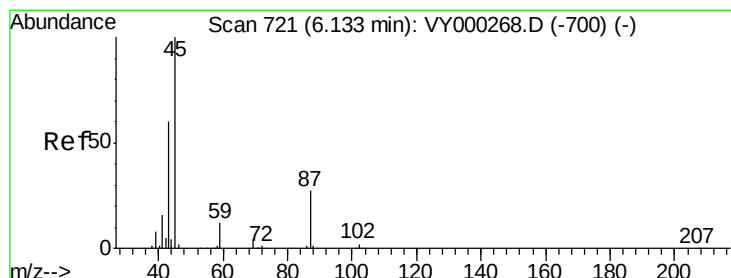
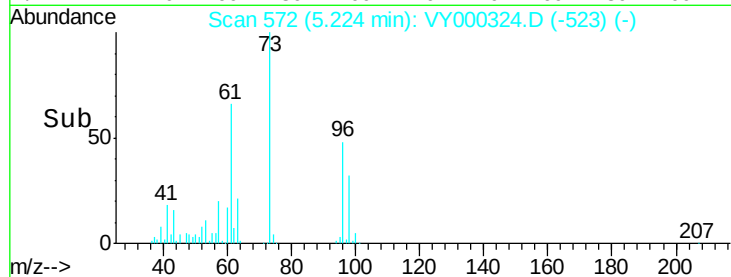
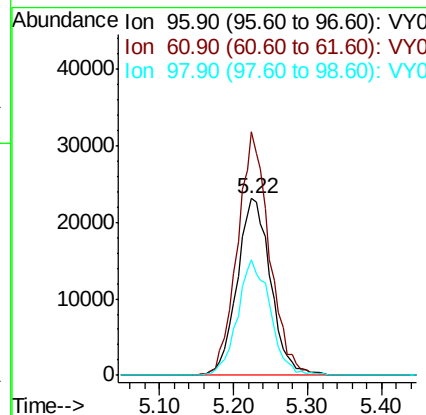
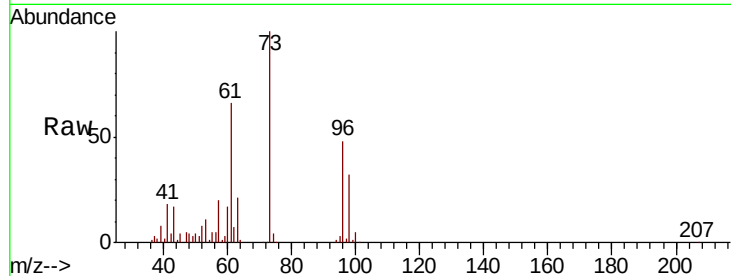
ClientSampleId :

VY1016SBS01

Tot Ion:	96	Resp:	72844
Ion	Ratio	Lower	Upper
96	100		
61	137.6	100.4	150.6
98	65.6	44.6	66.8

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#22

Diisopropyl ether

Concen: 21.725 ug/l

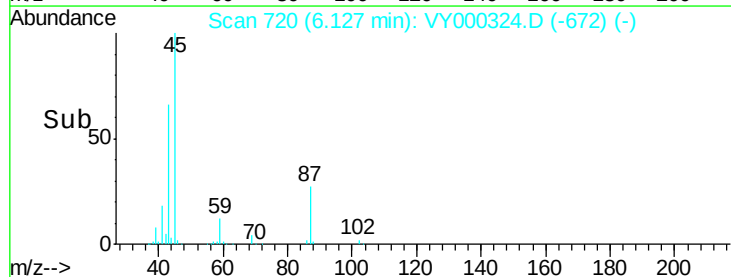
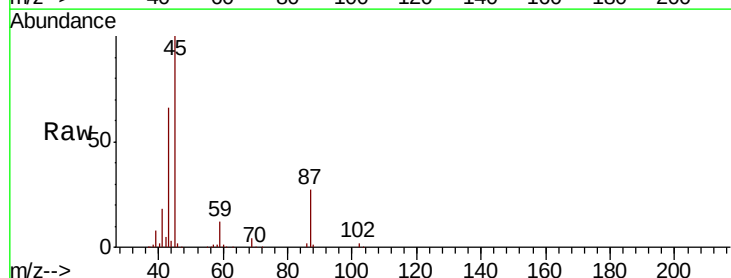
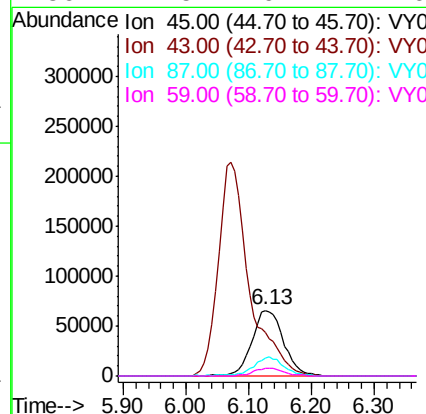
RT: 6.13 min Scan# 720

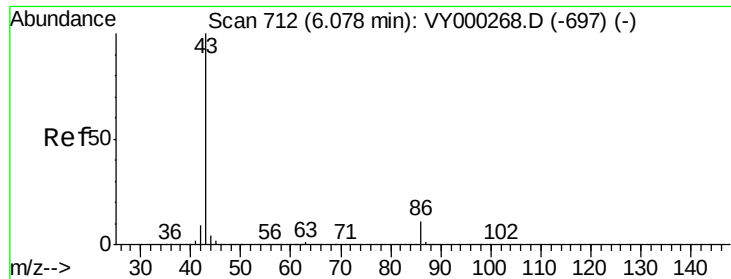
Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	45	Resp:	229284
Ion	Ratio	Lower	Upper
45	100		
43	65.4	48.5	72.7
87	26.7	21.5	32.3
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 106.124 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 43 Resp: 730677

Ion Ratio Lower Upper

43 100

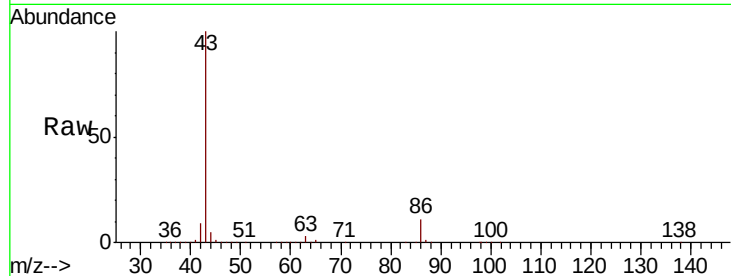
86 11.0 8.6 13.0

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

250000

200000

150000

100000

50000

0

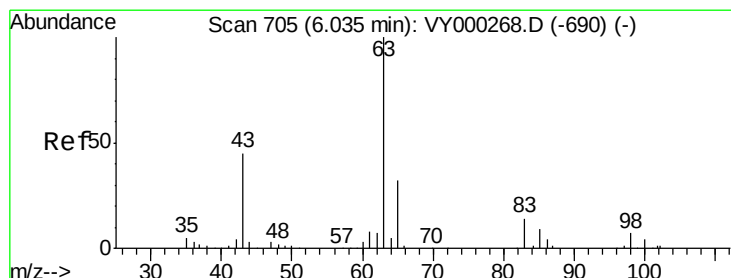
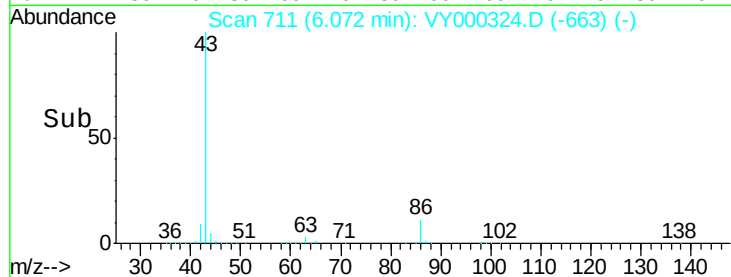
6.07

6.10

6.20

6.30

Time-->



#24

1,1-Dichloroethane

Concen: 21.290 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

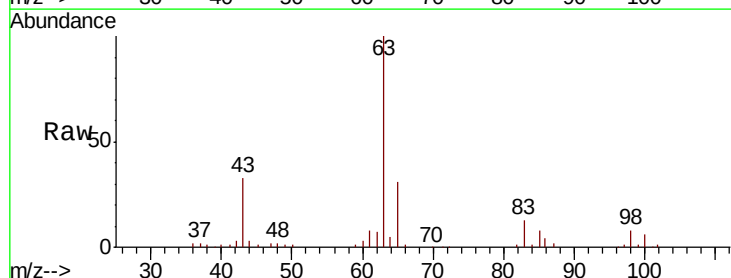
Tgt Ion: 63 Resp: 122642

Ion Ratio Lower Upper

63 100

98 7.5 3.5 10.4

100 5.6 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

50000

40000

30000

20000

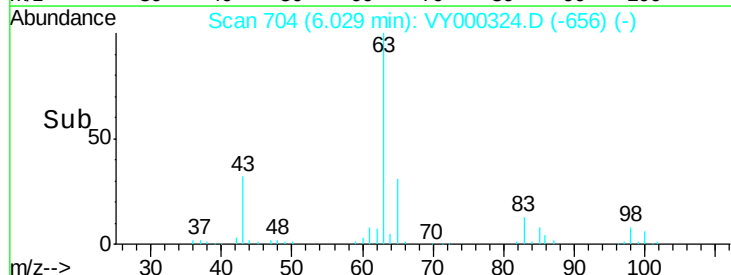
10000

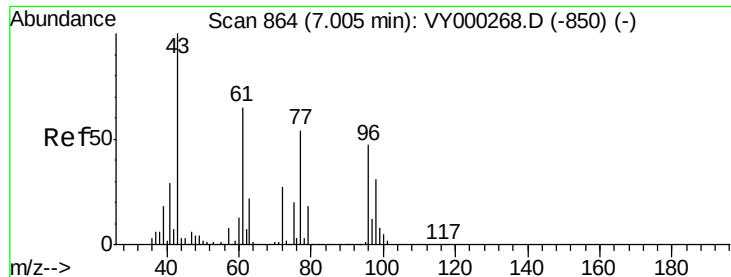
0

6.03

6.10

Time-->





#25

2-Butanone

Concen: 103.957 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 43 Resp: 149142

Ion Ratio Lower Upper

43 100

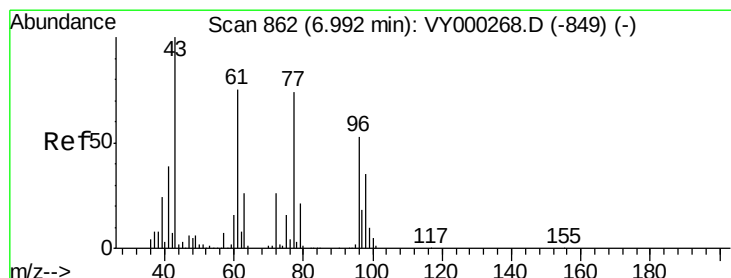
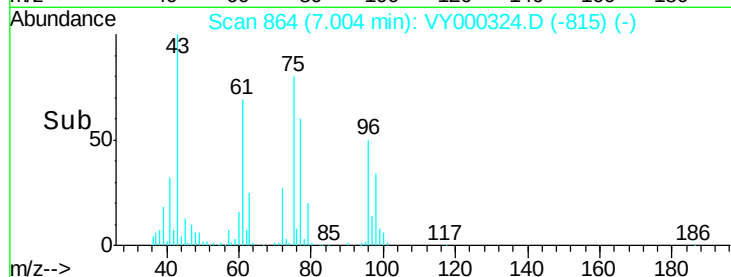
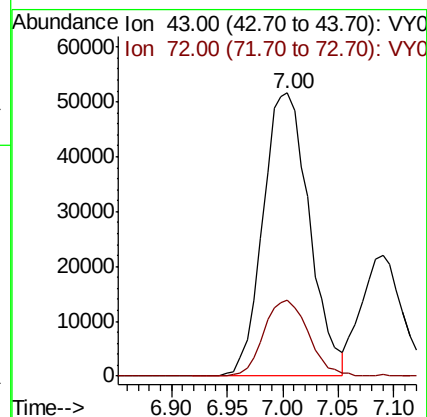
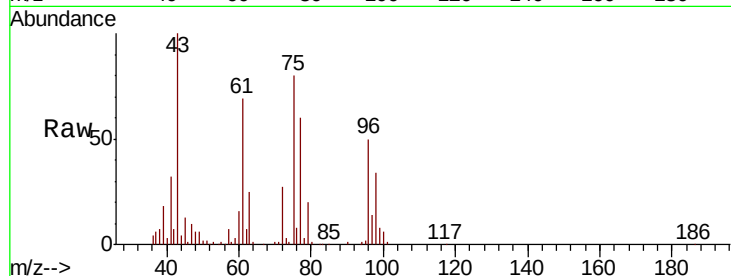
72 26.7 21.4 32.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



#26

2,2-Dichloropropane

Concen: 21.162 ug/l

RT: 7.00 min Scan# 863

Delta R.T. 0.01 min

Lab File: VY000324.D

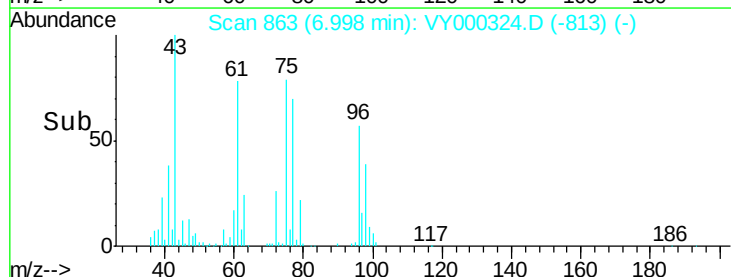
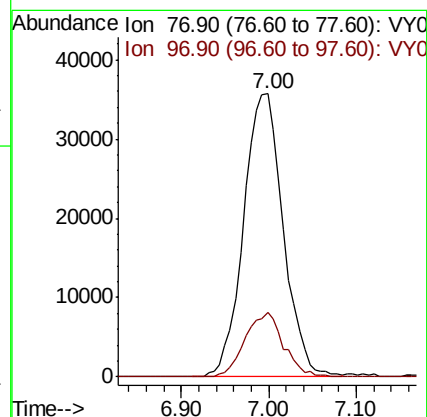
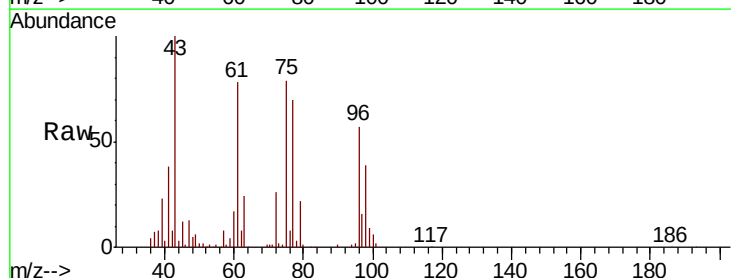
Acq: 16 Oct 2019 13:03

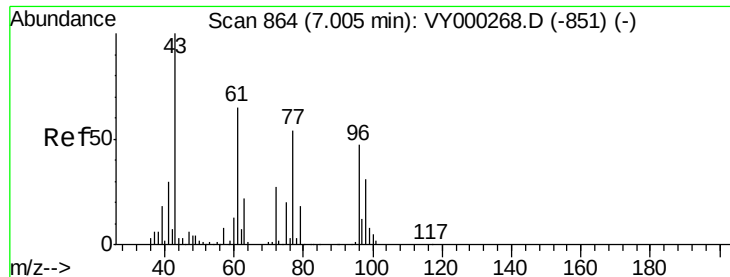
Tgt Ion: 77 Resp: 112333

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7





#27

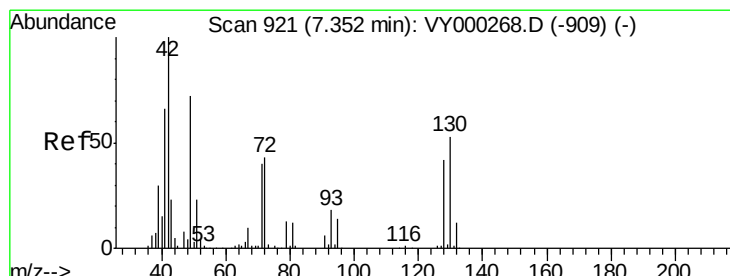
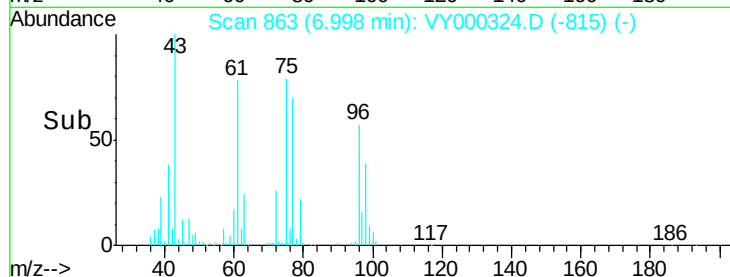
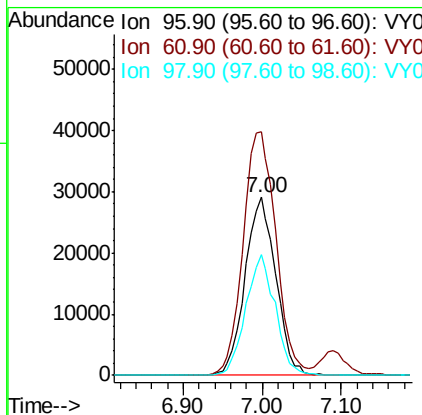
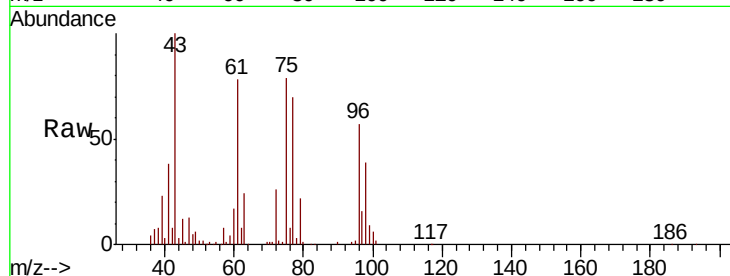
cis-1,2-Dichloroethene
 Concen: 21.128 ug/l
 RT: 7.00 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.5	0.0	289.8
98	64.7	0.0	131.8

Manual Integrations
 APPROVED

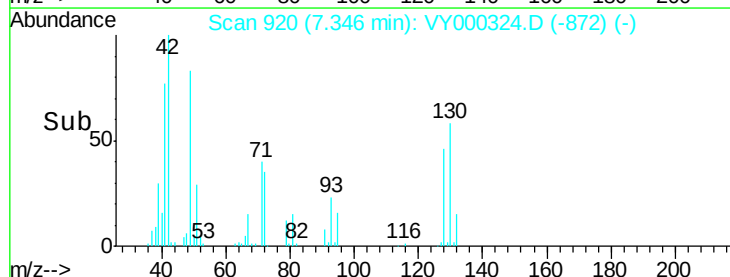
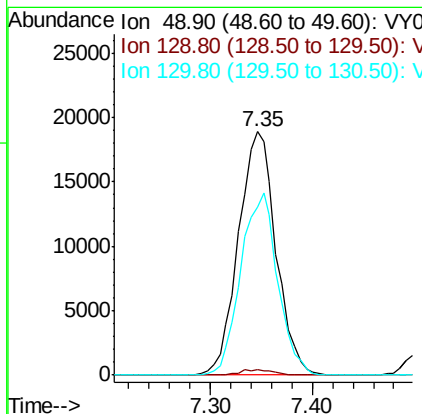
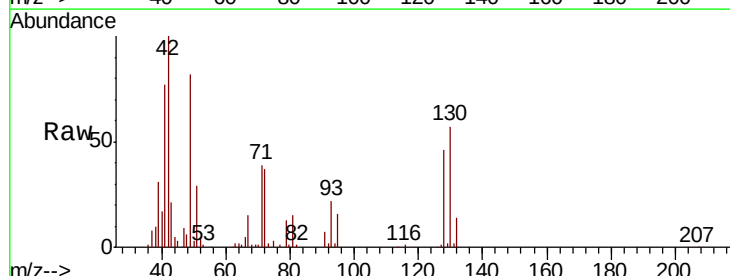
MMDadoda
 10/18/2019 12:50:37 AM

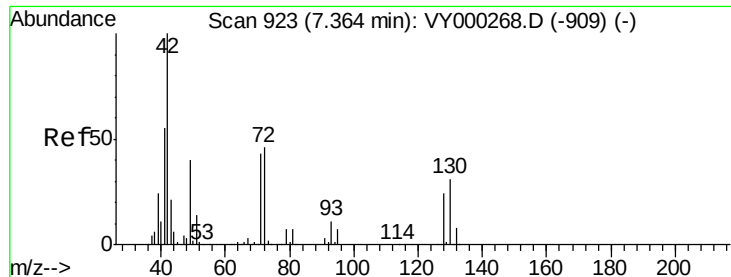


#28

Bromochloromethane
 Concen: 19.498 ug/l
 RT: 7.35 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.0
130	73.8	58.2	87.2





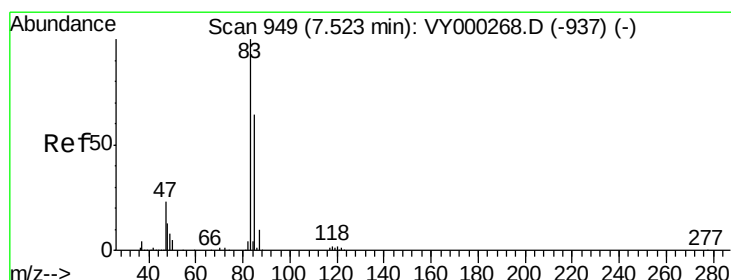
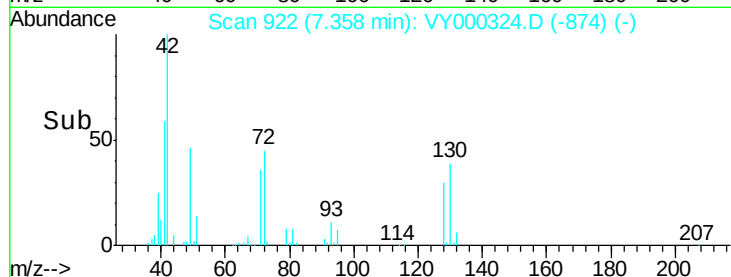
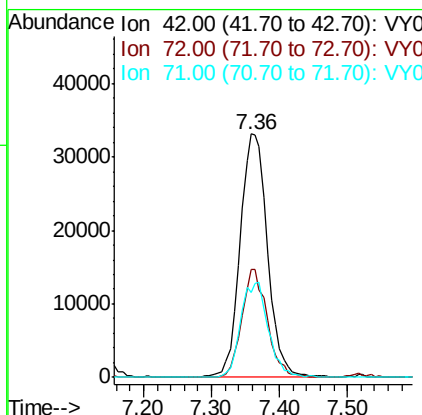
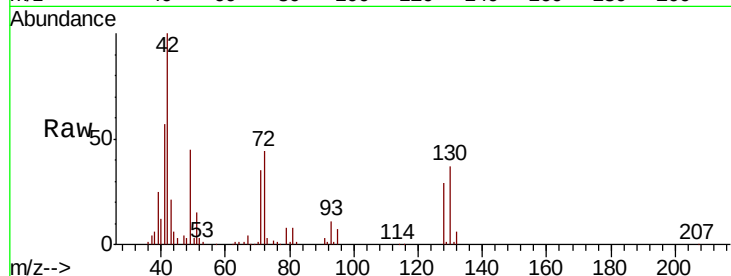
#29
Tetrahydrofuran
Concen: 106.460 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	34.5	51.7
71	39.0	32.7	49.1

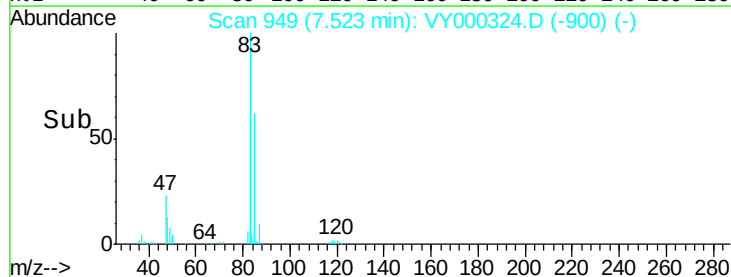
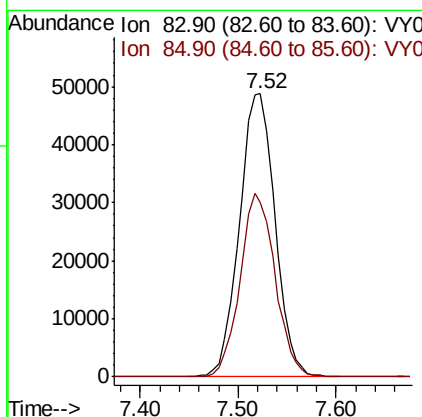
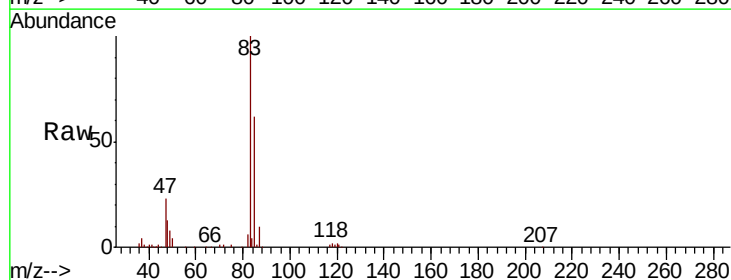
Manual Integrations
APPROVED

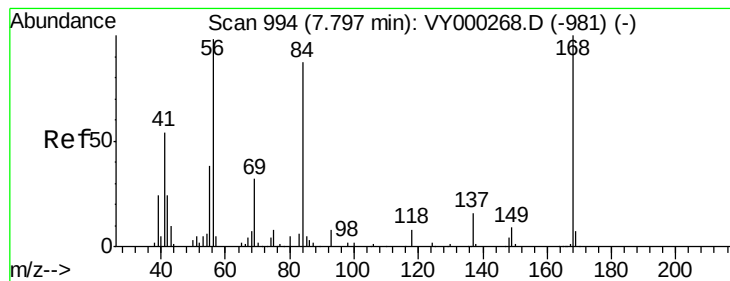
MMDadoda
10/18/2019 12:50:37 AM



#30
Chloroform
Concen: 21.269 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.4	77.2





#31

Cyclohexane

Concen: 20.744 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

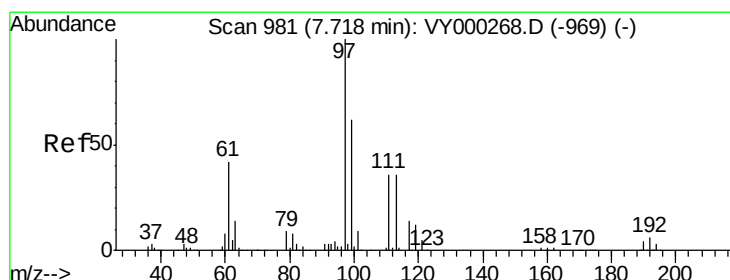
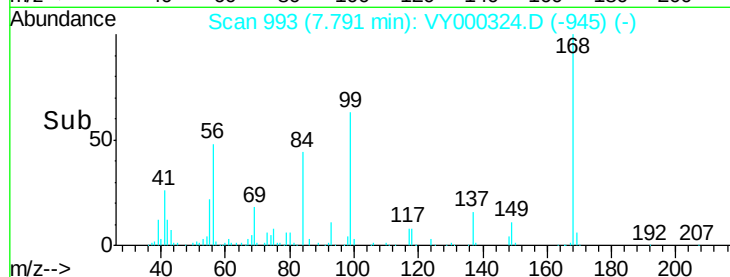
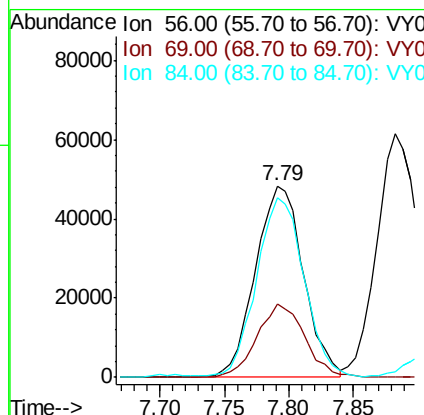
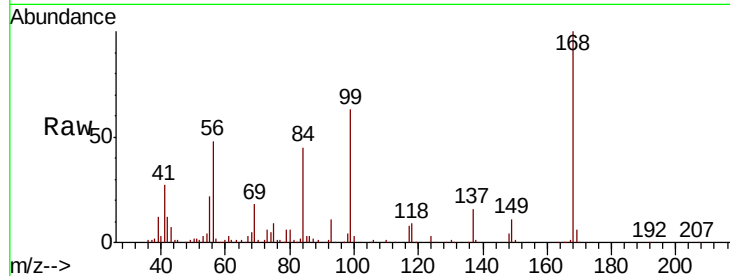
ClientSampleId :

VY1016SBS01

Tot Ion:	56	Resp:	124810
Ion Ratio	Lower	Upper	
56	100		
69	38.6	26.3	39.5
84	93.0	70.8	106.2

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#32

1,1,1-Trichloroethane

Concen: 20.899 ug/l

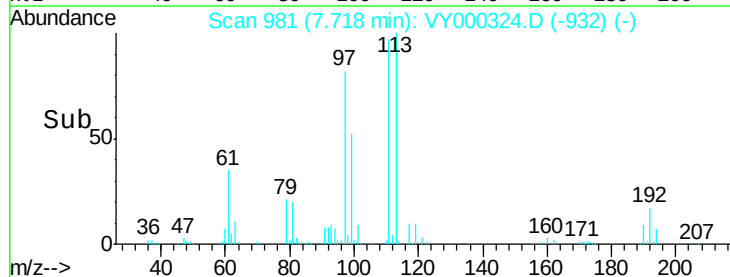
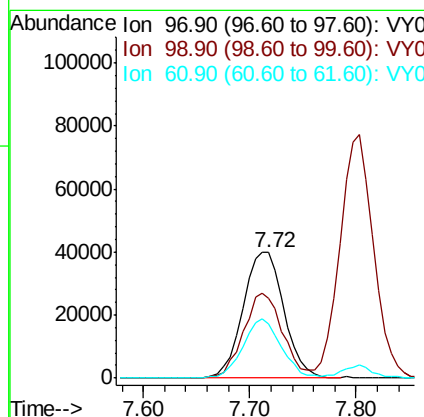
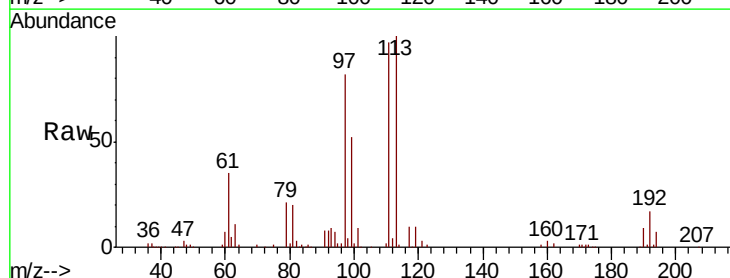
RT: 7.72 min Scan# 981

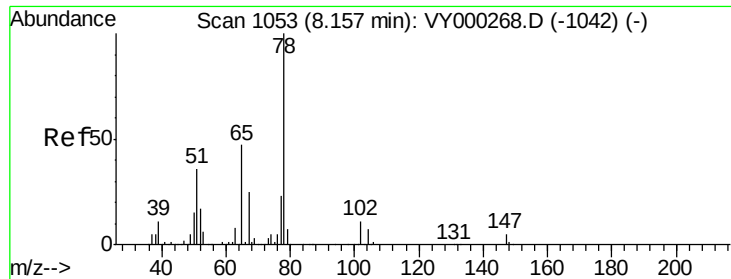
Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	97	Resp:	107791
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.7	77.5
61	43.9	34.5	51.7





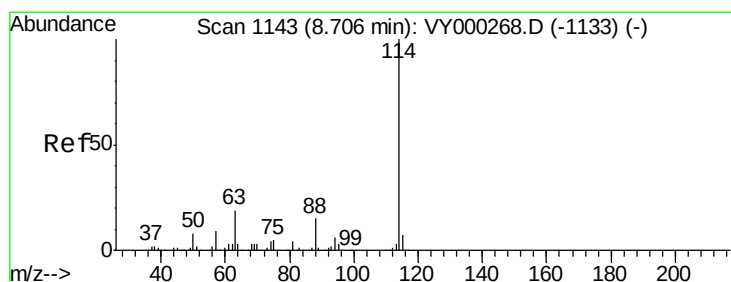
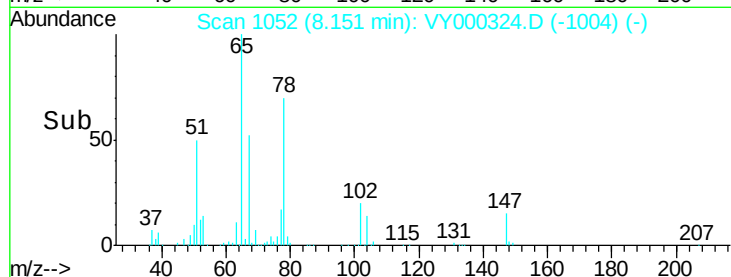
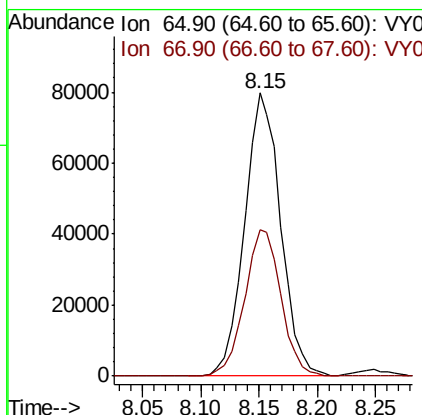
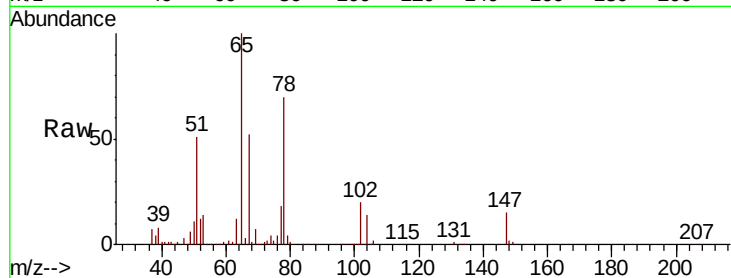
#33
 1,2-Dichloroethane-d4
 Concen: 54.665 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171913		
67	52.4	0.0	109.4	

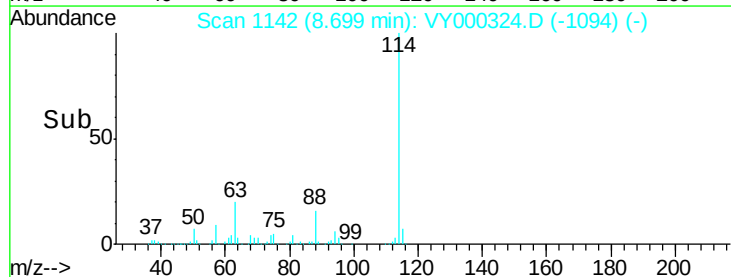
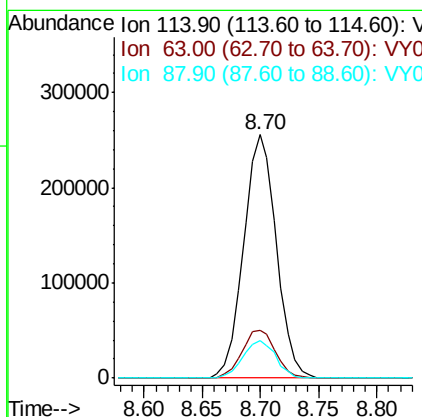
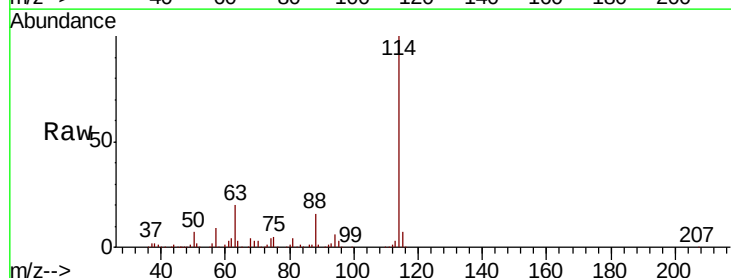
Manual Integrations
 APPROVED

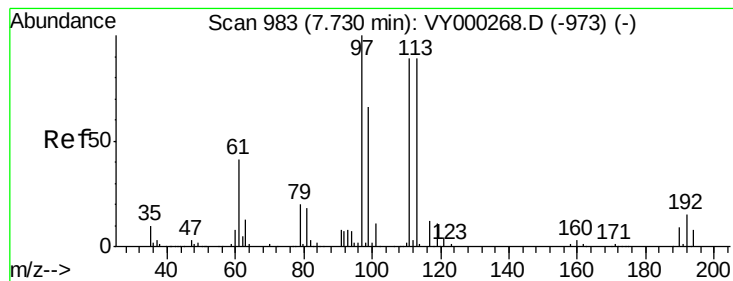
MMDadoda
 10/18/2019 12:50:37 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	500074		
63	19.6	0.0	37.2	
88	15.5	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.824 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

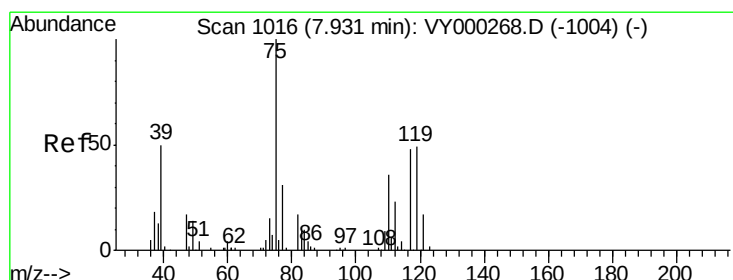
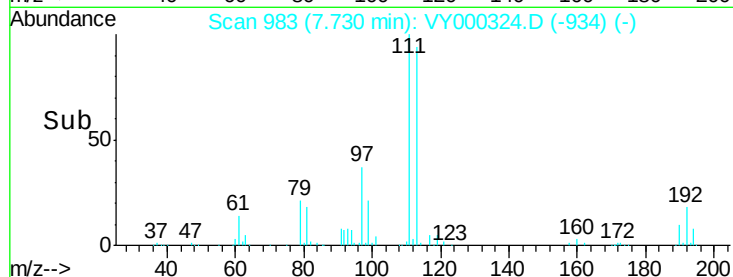
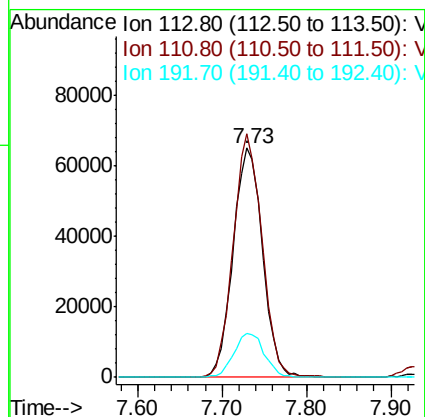
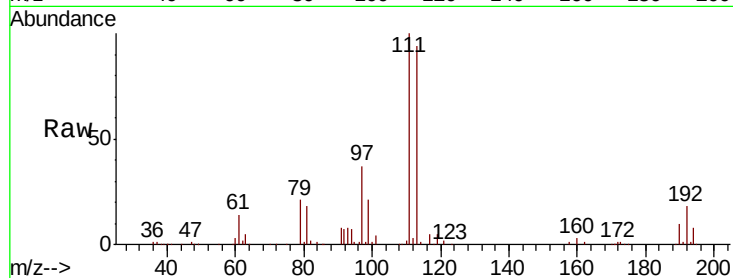
ClientSampleId :

VY1016SBS01

Tot Ion:	113	Resp:	153310
Ion Ratio	Lower	Upper	
113	100		
111	103.9	81.6	122.4
192	19.8	15.3	22.9

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#36

1,1-Dichloropropene

Concen: 19.943 ug/l

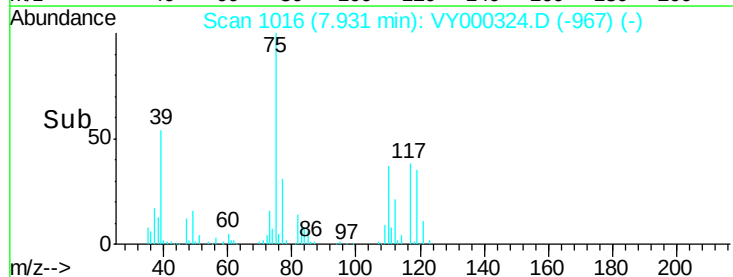
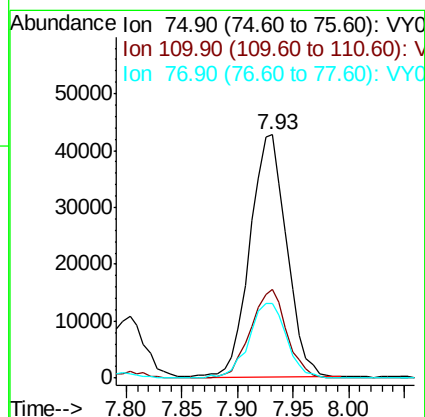
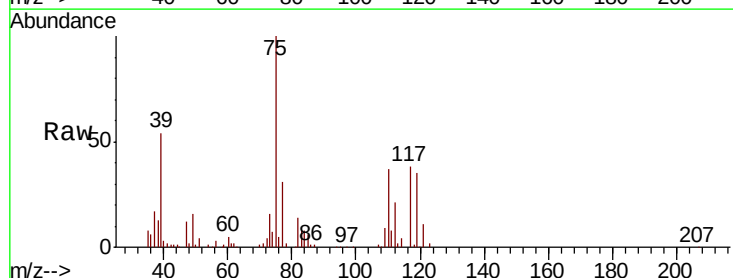
RT: 7.93 min Scan# 1016

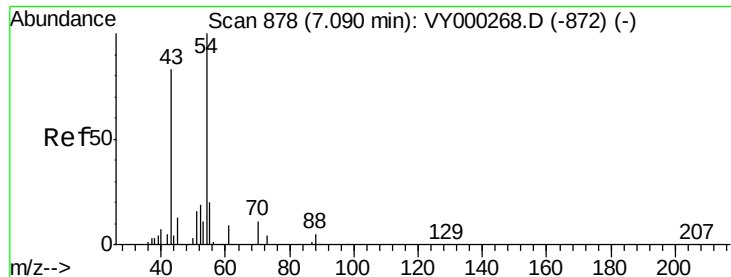
Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	75	Resp:	97644
Ion Ratio	Lower	Upper	
75	100		
110	36.2	18.4	55.4
77	31.9	25.0	37.6





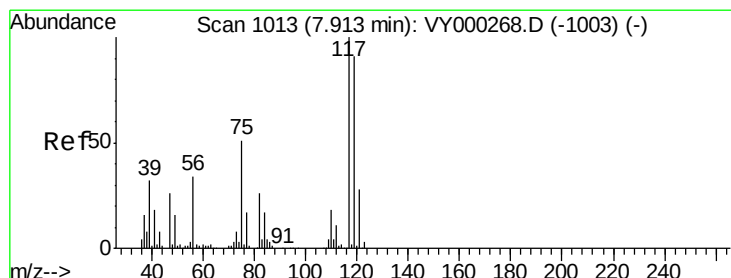
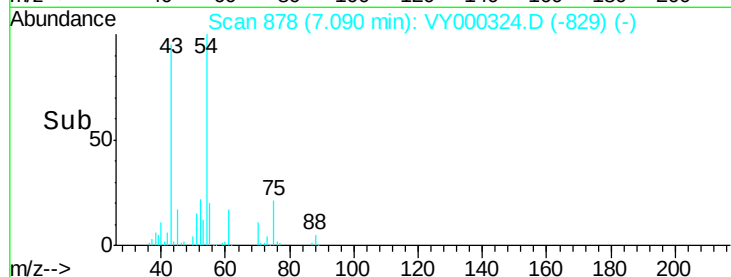
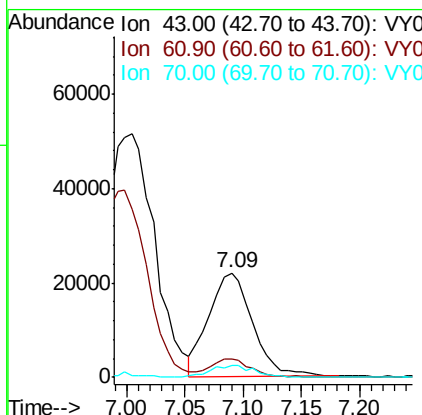
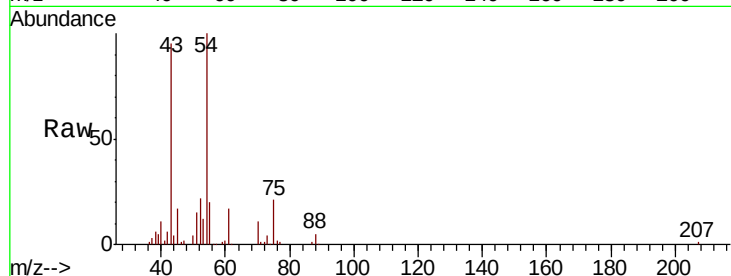
#37
Ethyl Acetate
Concen: 19.802 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.1	18.1
70	11.9	8.7	13.1

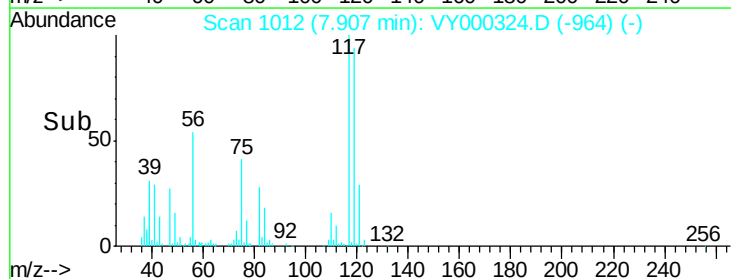
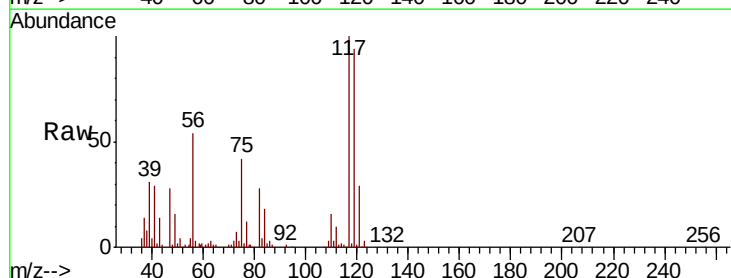
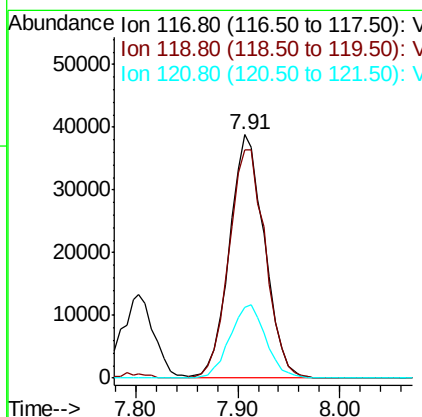
Manual Integrations
APPROVED

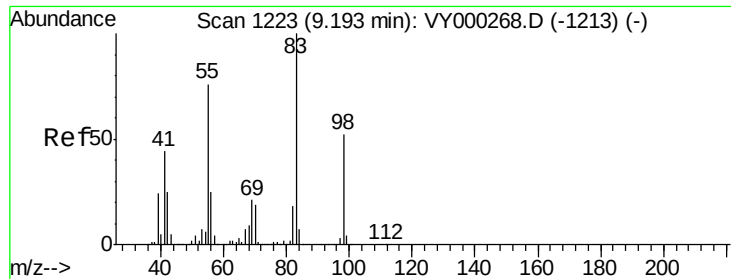
MMDadoda
10/18/2019 12:50:37 AM



#38
Carbon Tetrachloride
Concen: 19.510 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	72.8	109.2
121	28.9	22.2	33.2





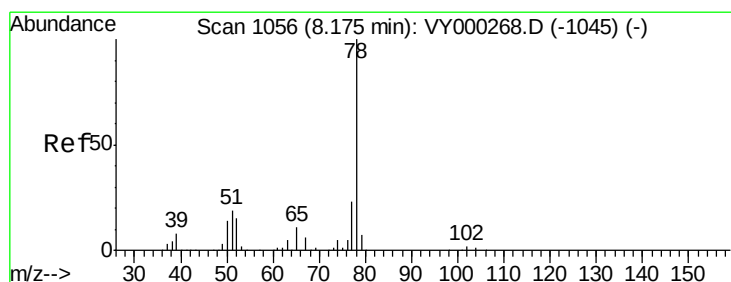
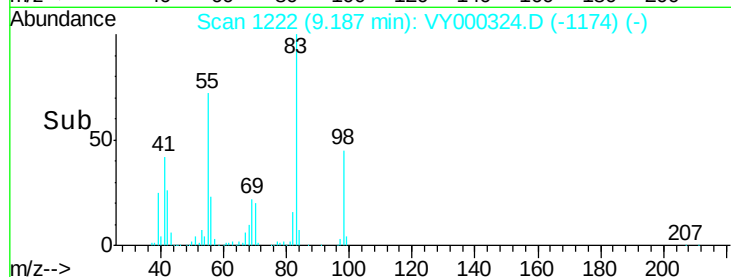
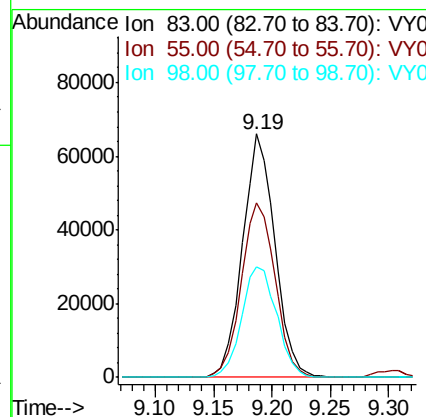
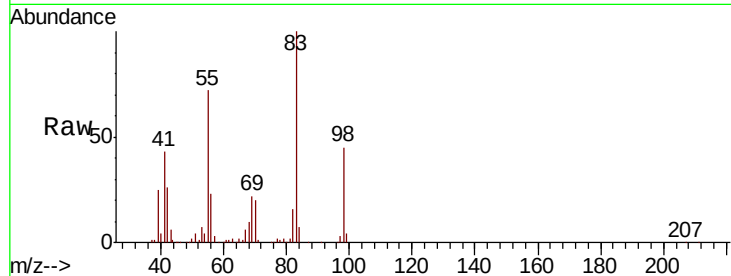
#39
Methylvlcyclohexane
Concen: 19.946 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127815		
55	71.6		60.9	91.3
98	45.4		41.8	62.6

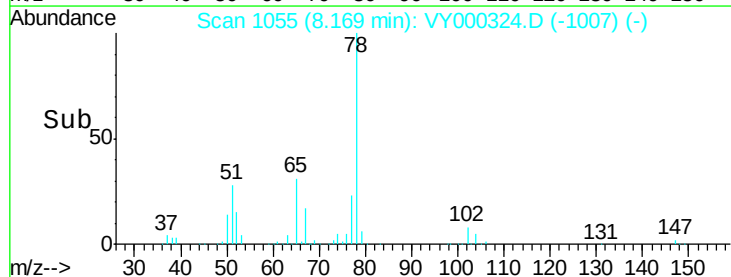
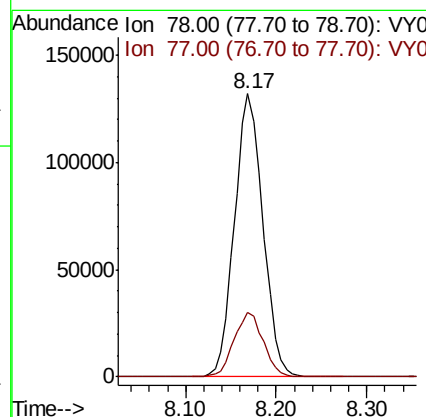
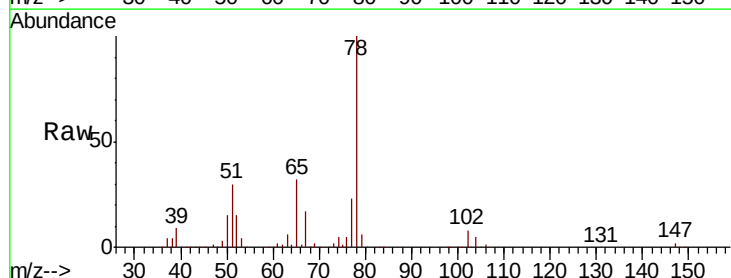
Manual Integrations
APPROVED

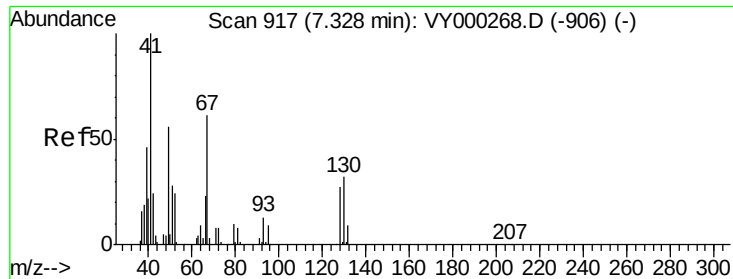
MMDadoda
10/18/2019 12:50:37 AM



#40
Benzene
Concen: 20.298 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	287199		
77	22.9		18.8	28.2





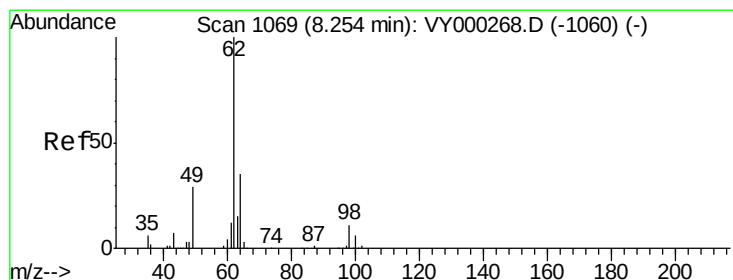
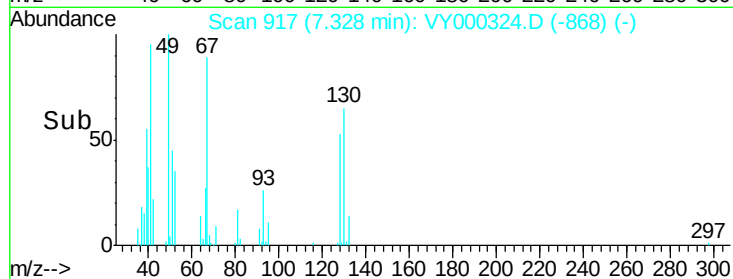
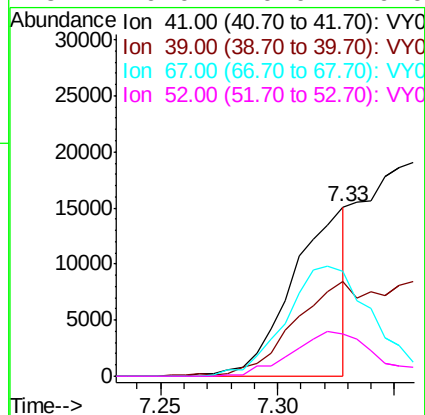
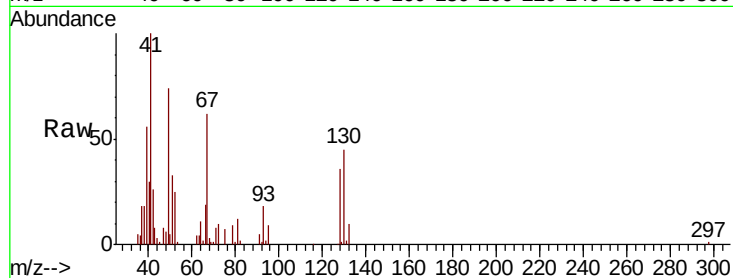
#41
Methacrylonitrile
Concen: 17.532 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	110.2	165.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

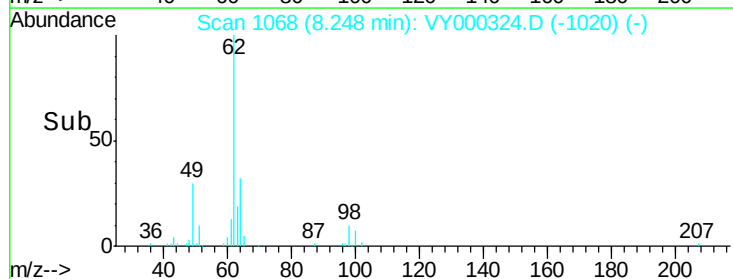
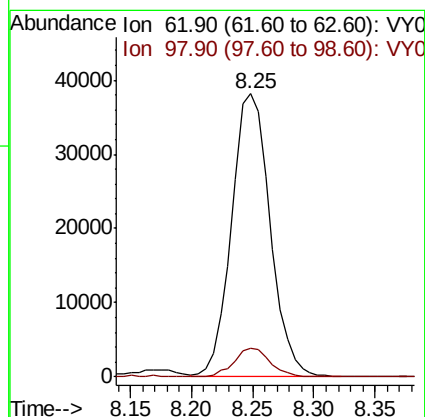
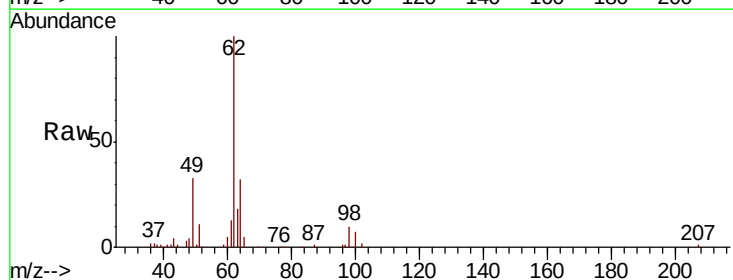
Manual Integrations
APPROVED

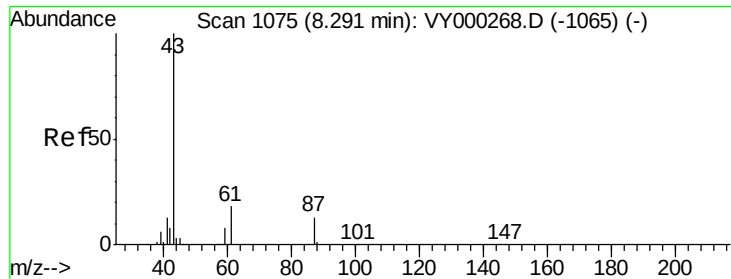
MMDadoda
10/18/2019 12:50:37 AM



#42
1,2-Dichloroethane
Concen: 20.644 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.6





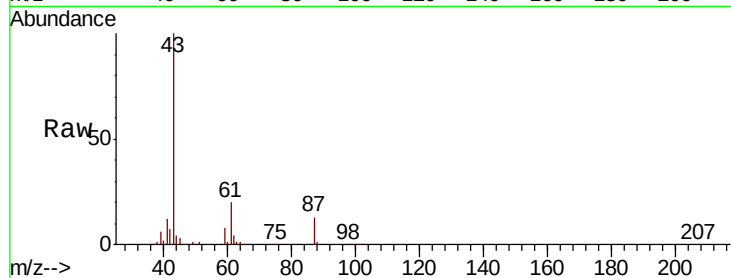
#43
Isopropyl Acetate
Concen: 20.731 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

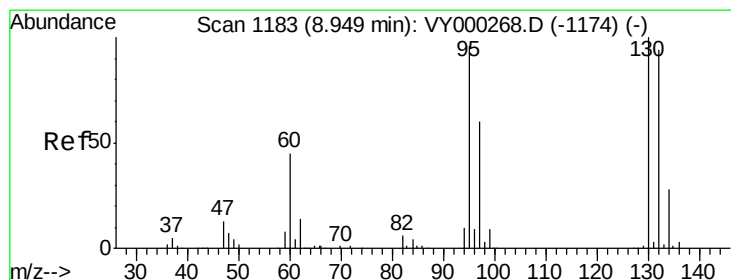
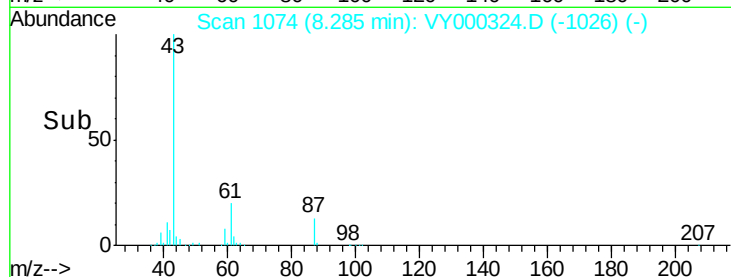
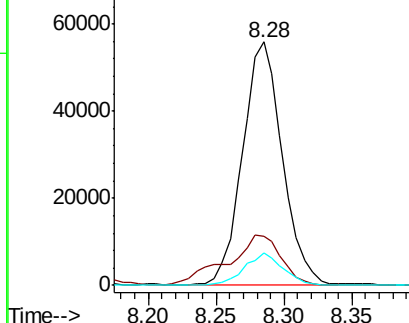
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.3	33.5
87	13.1	10.9	16.3

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM

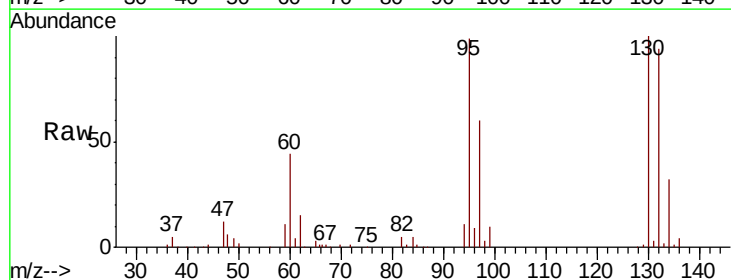


Abundance Ion 43.00 (42.70 to 43.70): VY0
Ion 61.00 (60.70 to 61.70): VY0
Ion 87.00 (86.70 to 87.70): VY0

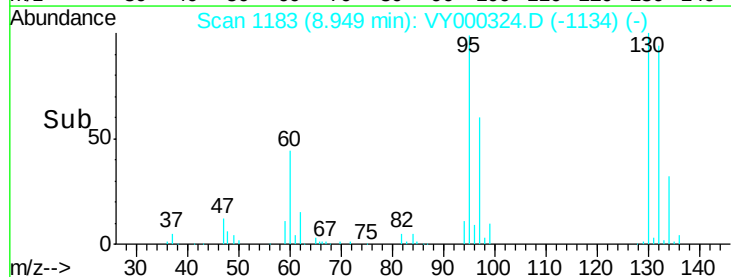
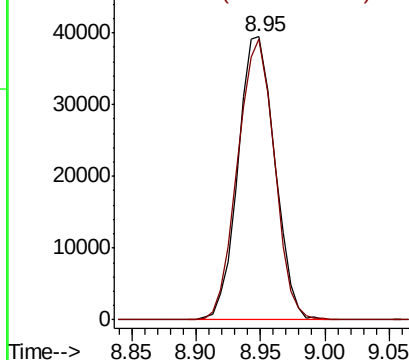


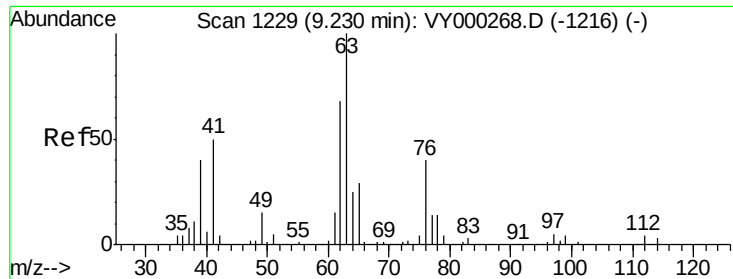
#44
Trichloroethene
Concen: 19.678 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	191.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VY0





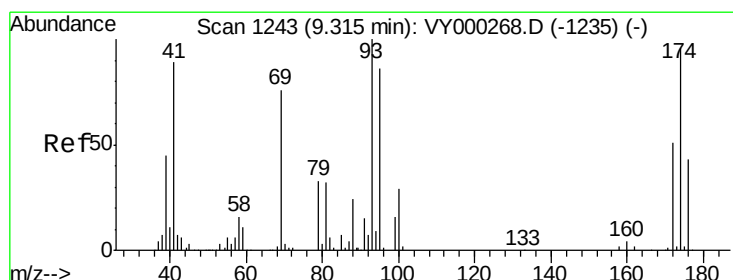
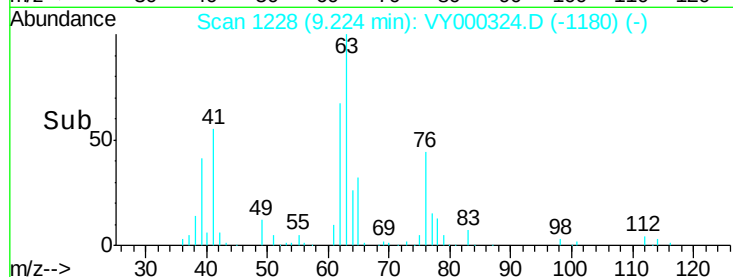
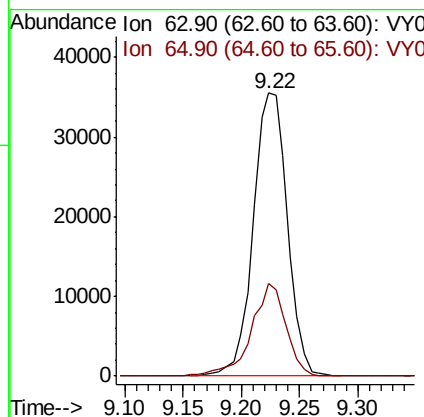
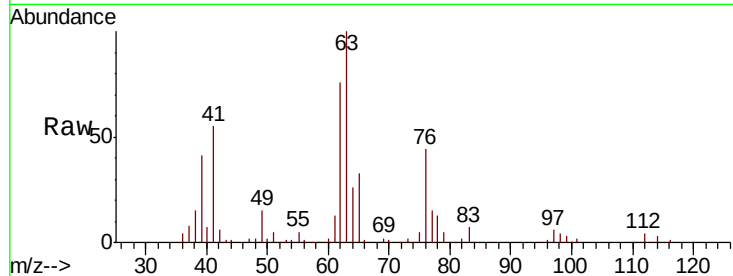
#45
 1,2-Dichloropropane
 Concen: 20.926 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion: 63 Resp: 72661
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.2 34.8

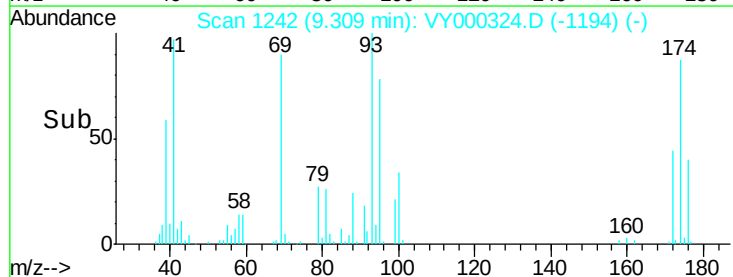
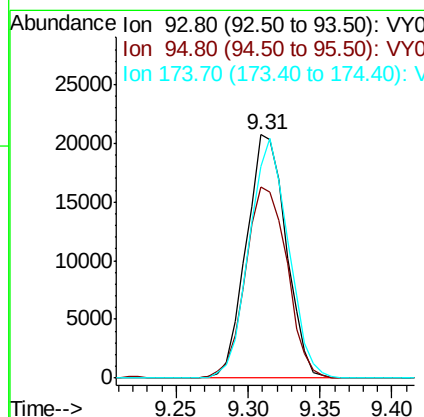
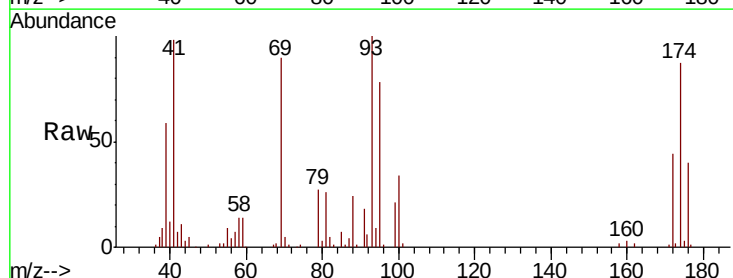
Manual Integrations
 APPROVED

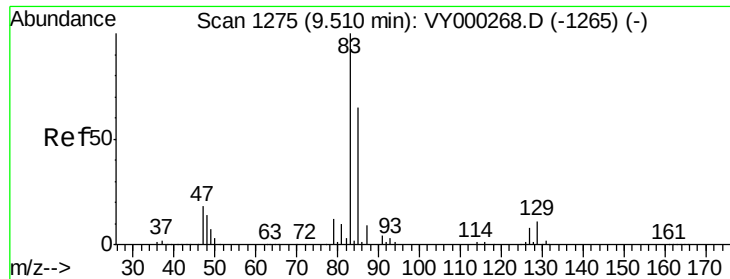
MMDadoda
 10/18/2019 12:50:37 AM



#46
 Dibromomethane
 Concen: 20.349 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion: 93 Resp: 39498
 Ion Ratio Lower Upper
 93 100
 95 82.6 68.2 102.2
 174 96.8 79.8 119.6





#47

Bromodichloromethane

Concen: 20.320 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

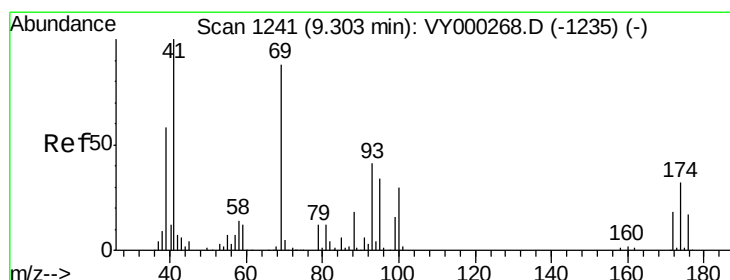
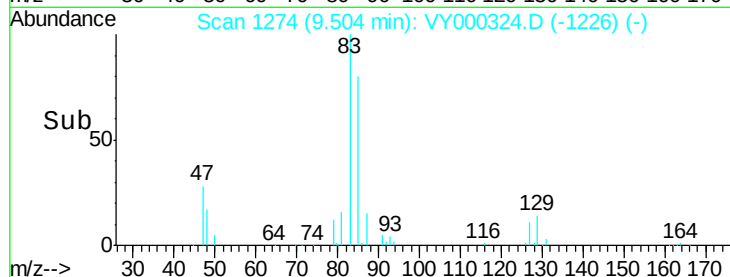
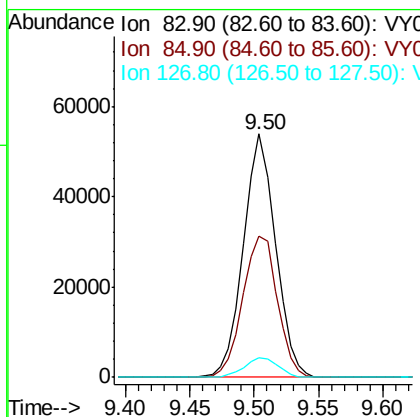
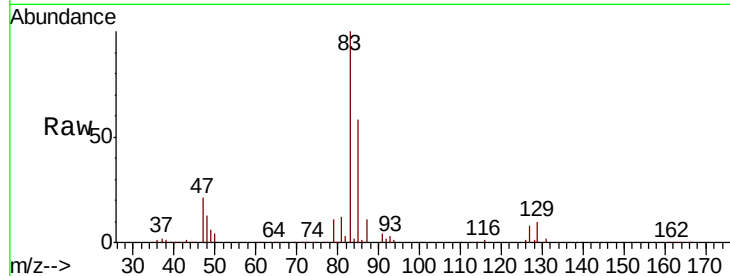
ClientSampleId :

VY1016SBS01

Tot Ion:	83	Resp:	92952
Ion	Ratio	Lower	Upper
83	100		
85	58.1	52.2	78.2
127	8.3	6.3	9.5

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#48

Methyl methacrylate

Concen: 20.934 ug/l

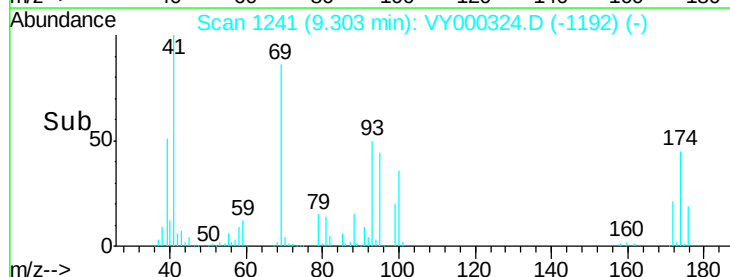
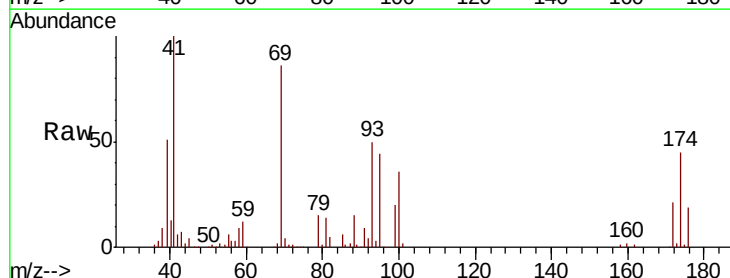
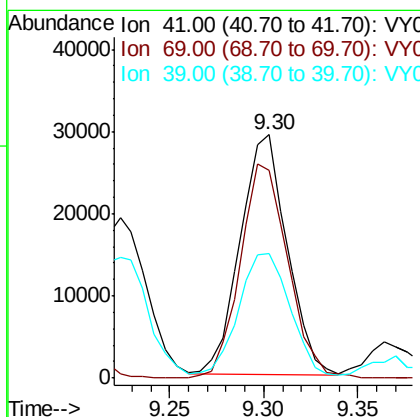
RT: 9.30 min Scan# 1241

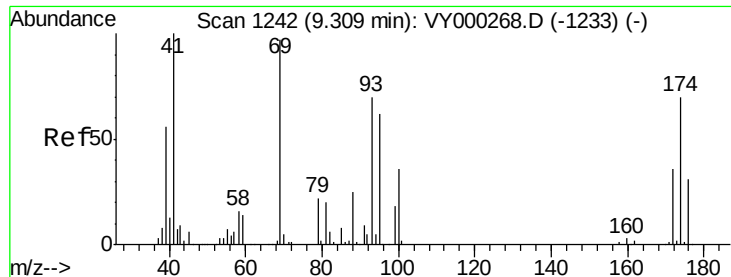
Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	41	Resp:	50571
Ion	Ratio	Lower	Upper
41	100		
69	90.6	70.0	105.0
39	58.1	47.7	71.5





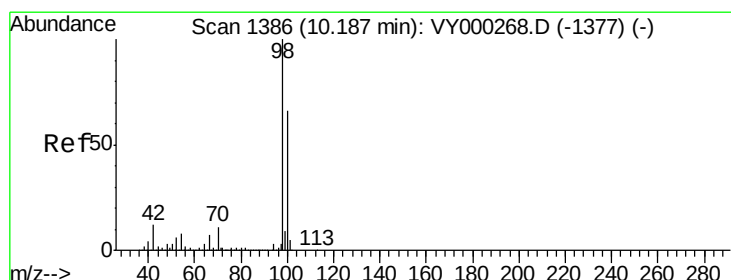
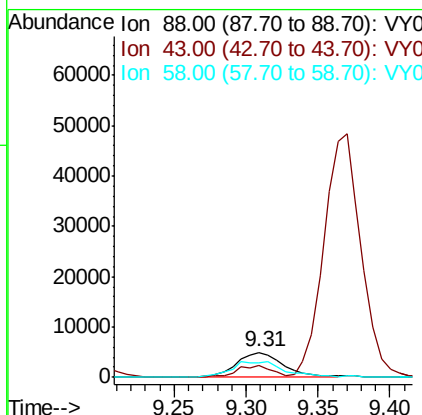
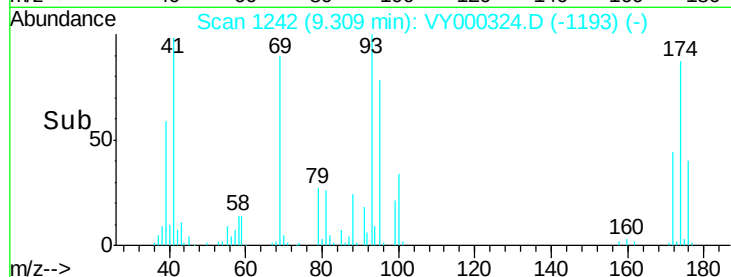
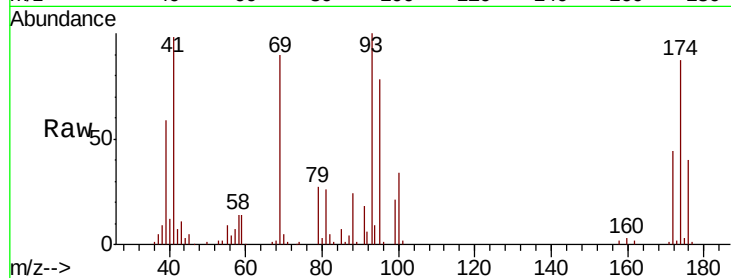
#49
1,4-Dioxane
Concen: 384.423 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.9	25.6	38.4
58	72.5	54.6	81.8

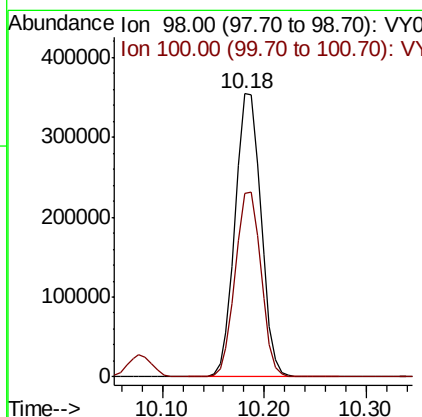
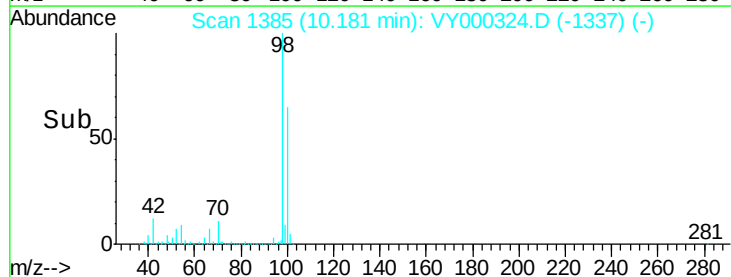
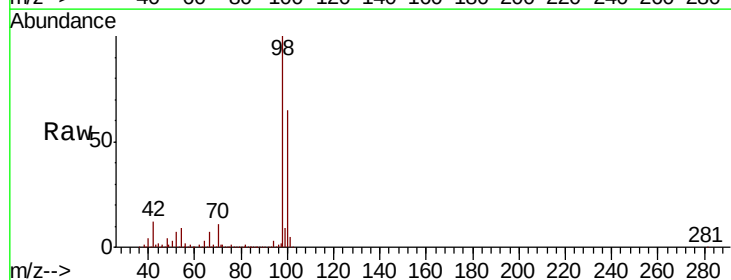
Manual Integrations
APPROVED

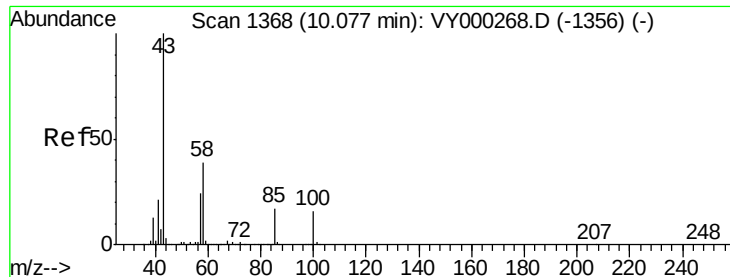
MMDadoda
10/18/2019 12:50:37 AM



#50
Toluene-d8
Concen: 53.696 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2





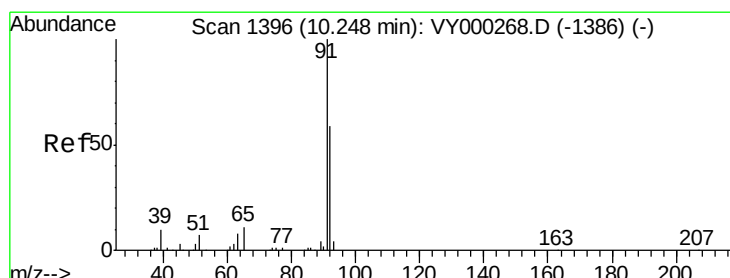
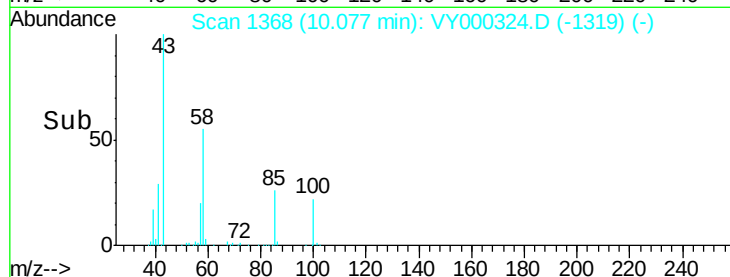
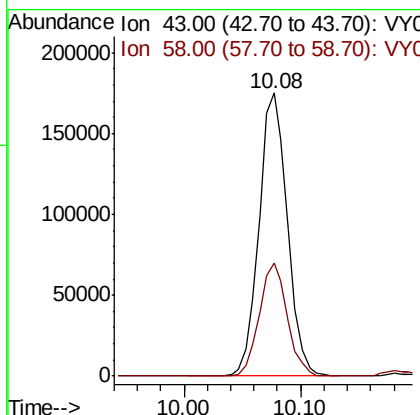
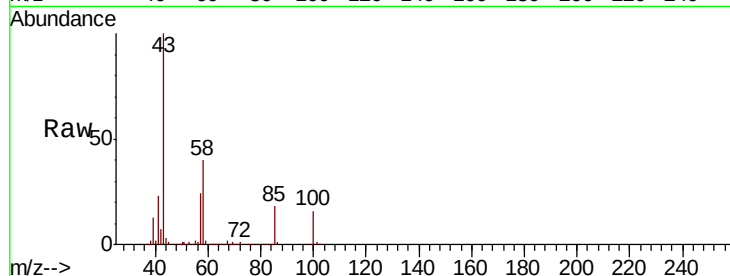
#51
4-Methyl-2-Pentanone
Concen: 104.280 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	31.0	46.6

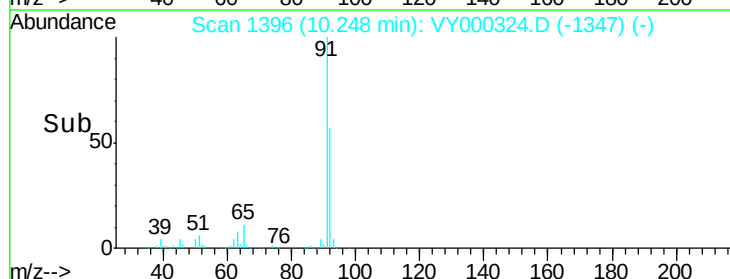
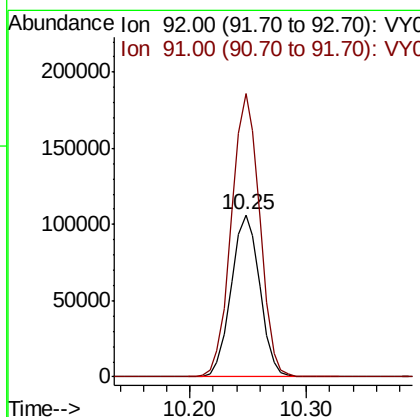
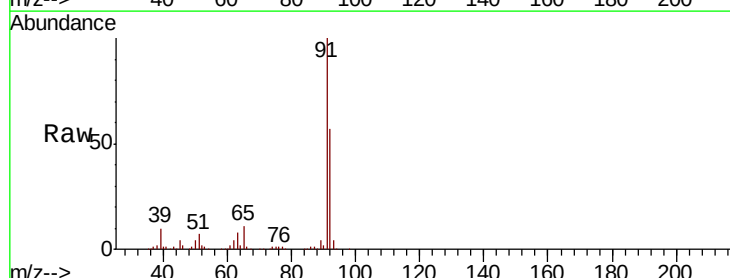
Manual Integrations
APPROVED

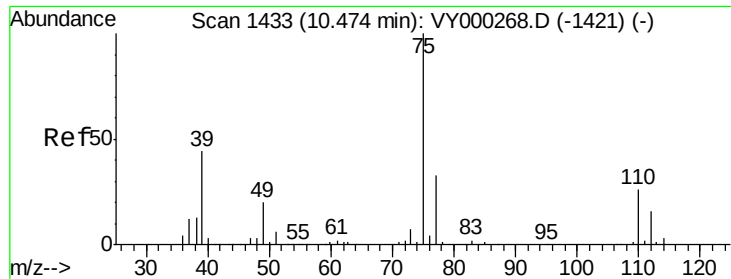
MMDadoda
10/18/2019 12:50:37 AM



#52
Toluene
Concen: 20.197 ug/l
RT: 10.25 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	136.6	205.0





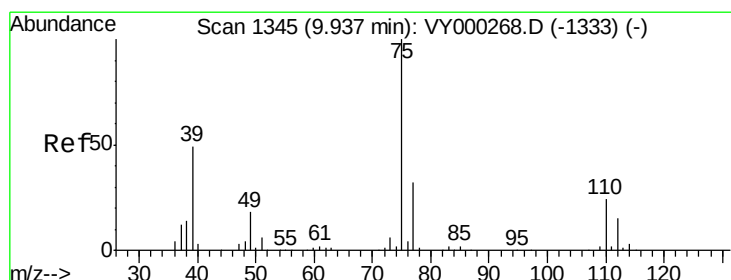
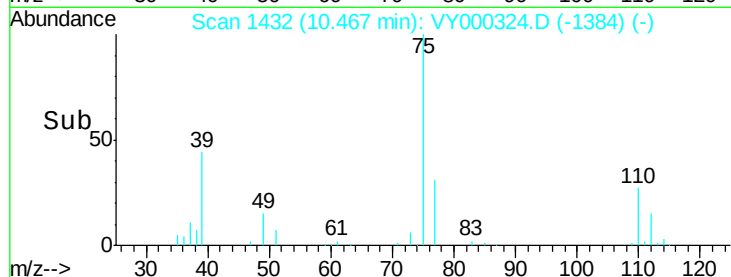
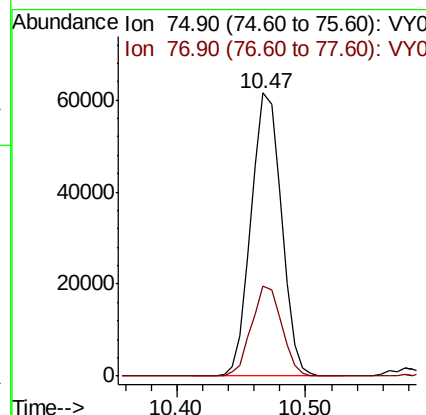
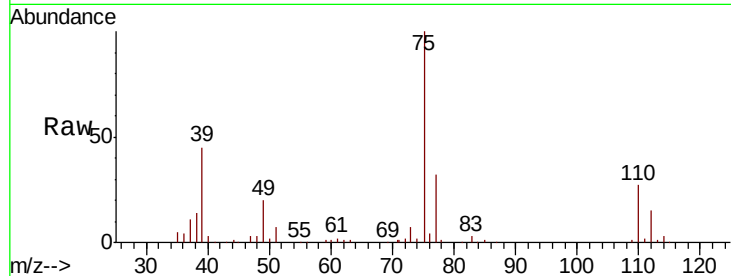
#53
 t-1,3-Dichloropropene
 Concen: 20.432 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	26.0	39.0

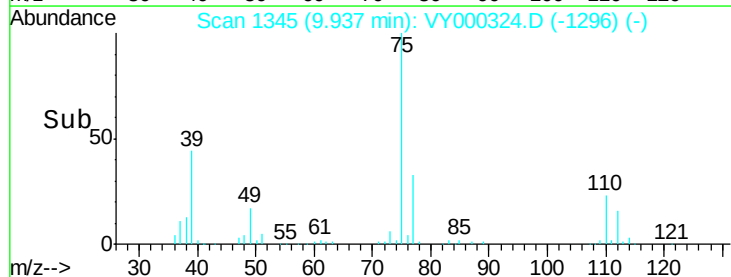
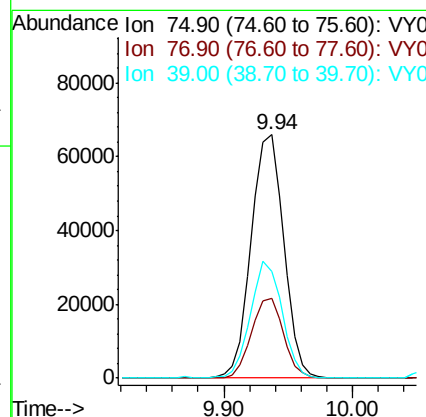
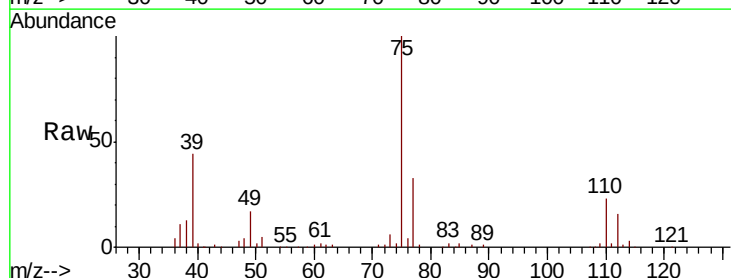
Manual Integrations
 APPROVED

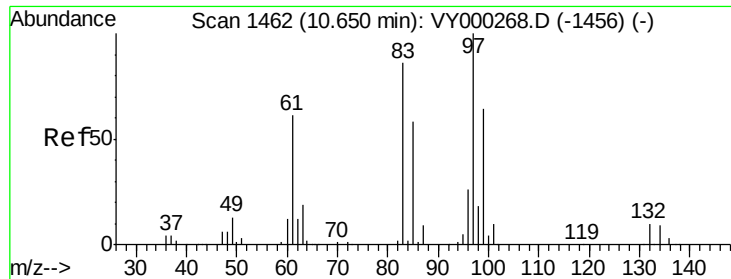
MMDadoda
 10/18/2019 12:50:37 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.715 ug/l
 RT: 9.94 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.0	39.0
39	43.5	38.8	58.2





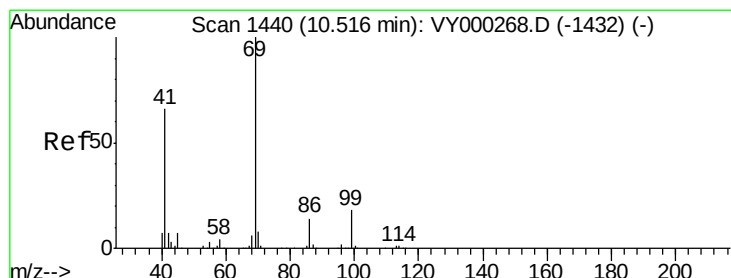
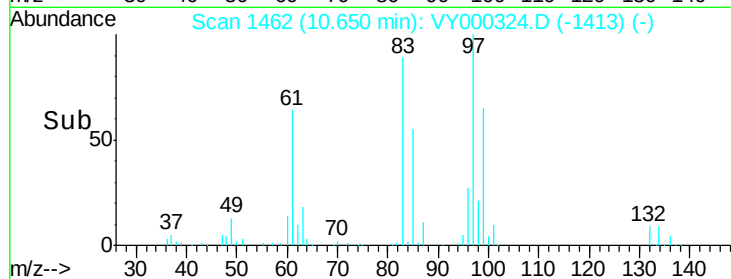
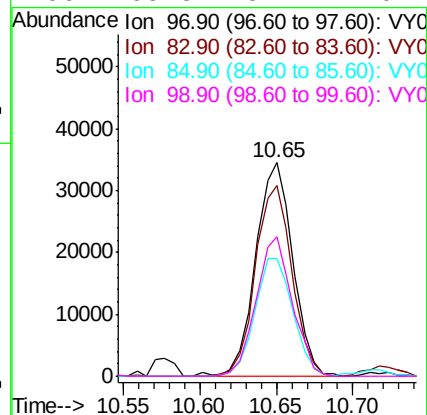
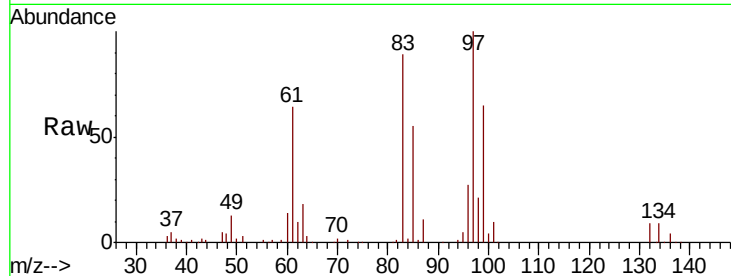
#55
 1,1,2-Trichloroethane
 Concen: 20.664 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion:	97	Resp:	58317
Ion	Ratio	Lower	Upper
97	100		
83	89.3	69.0	103.6
85	55.3	46.2	69.4
99	65.3	51.1	76.7

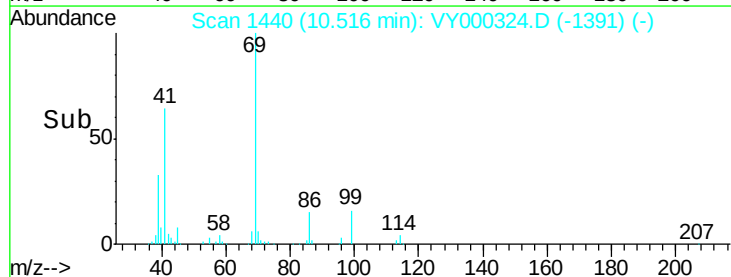
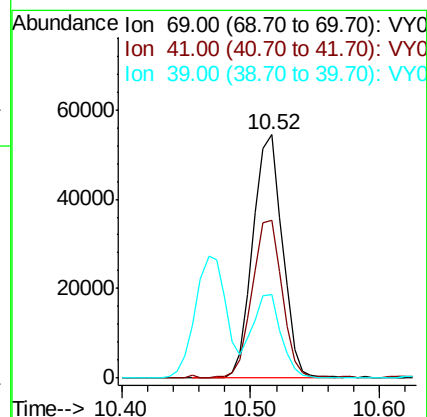
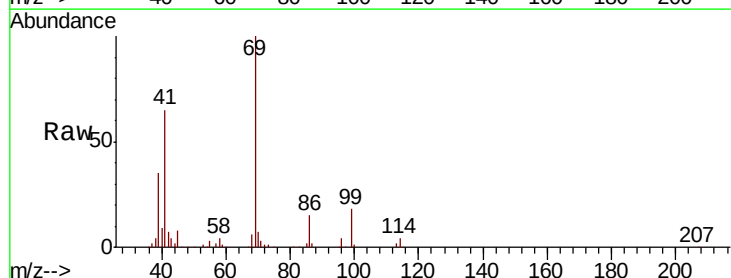
Manual Integrations
 APPROVED

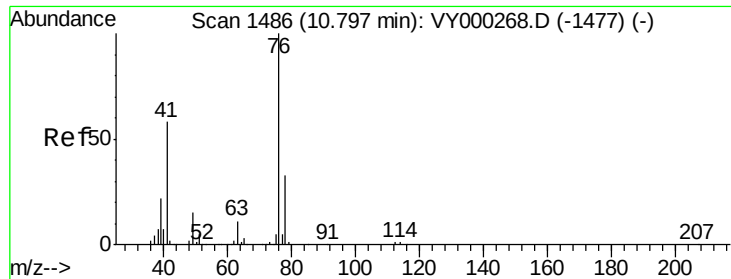
MMDadoda
 10/18/2019 12:50:37 AM



#56
 Ethyl methacrylate
 Concen: 21.293 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion:	69	Resp:	85655
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.5	78.7
39	33.6	26.7	40.1





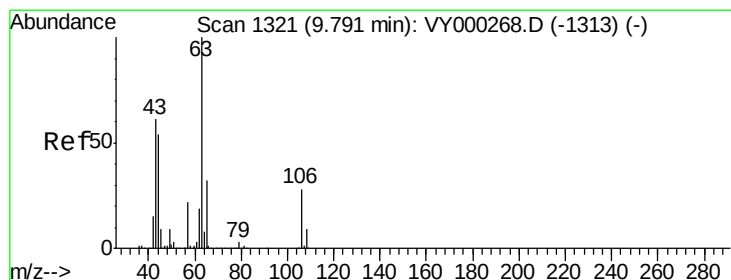
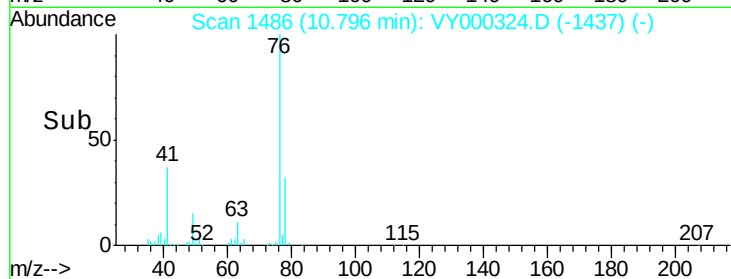
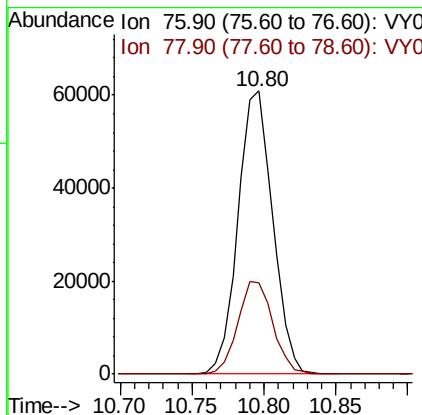
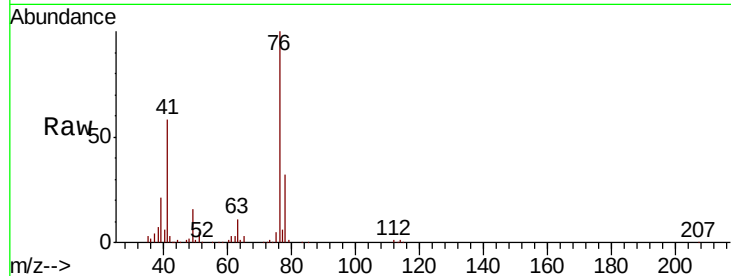
#57
 1,3-Dichloropropane
 Concen: 20.991 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.2	39.2

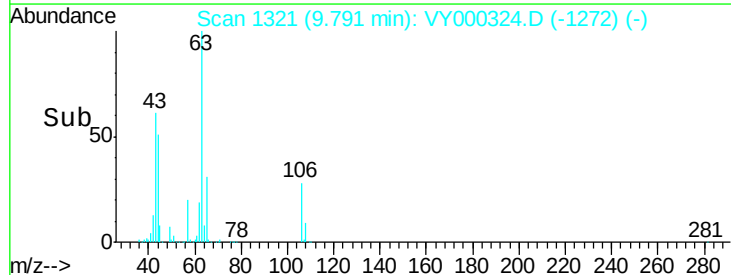
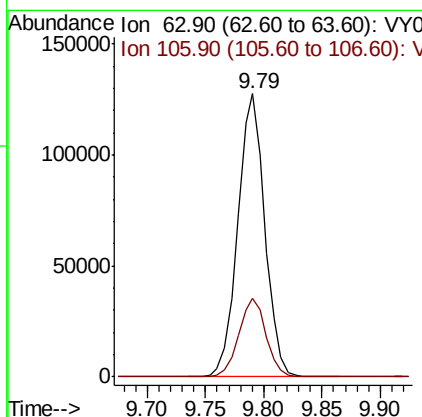
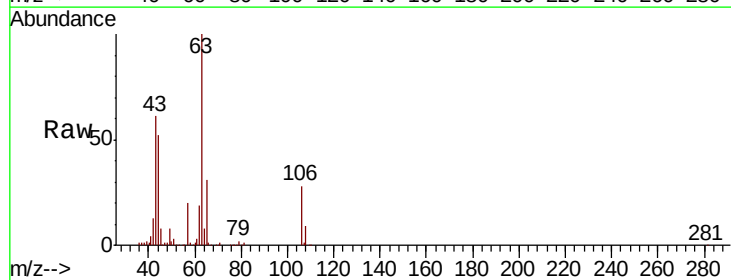
Manual Integrations
 APPROVED

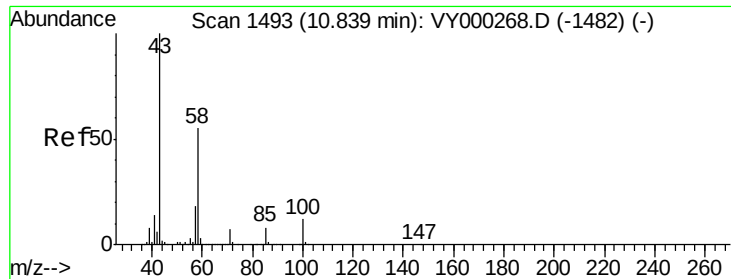
MMDadoda
 10/18/2019 12:50:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 128.128 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.9	23.0	34.4





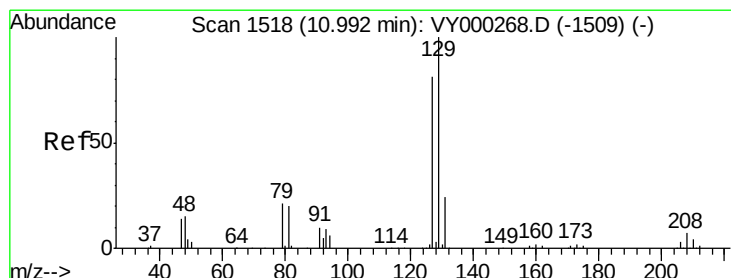
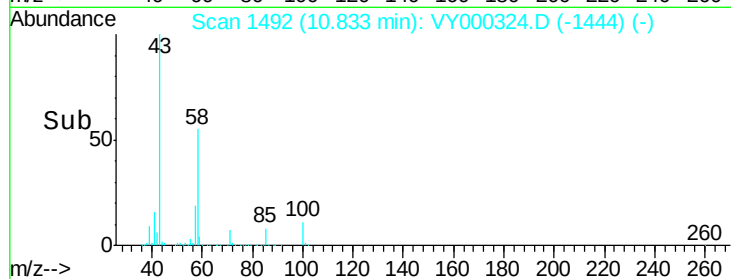
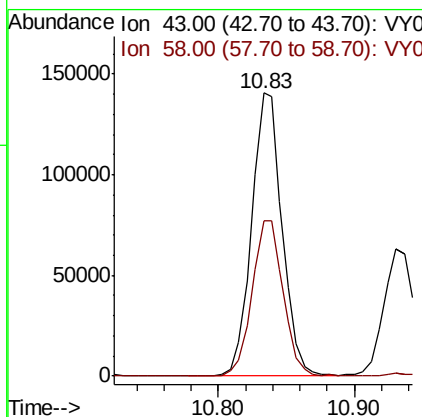
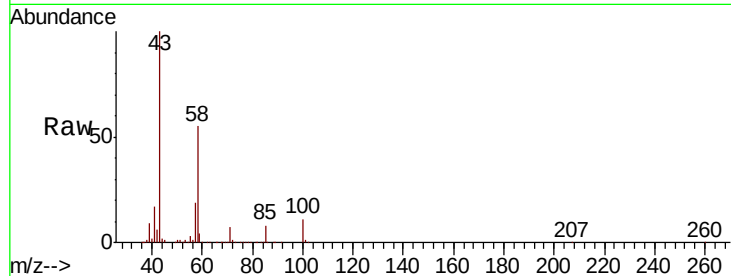
#59
2-Hexanone
Concen: 110.784 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.0	27.7	83.1

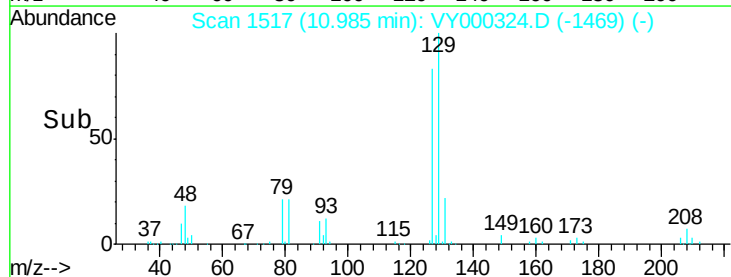
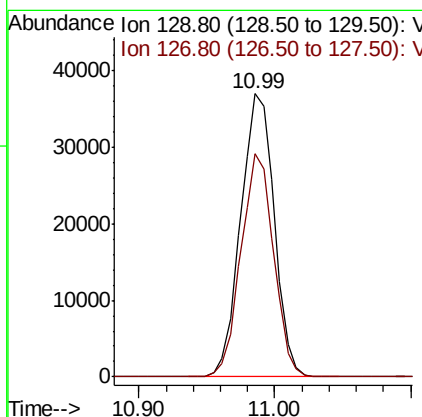
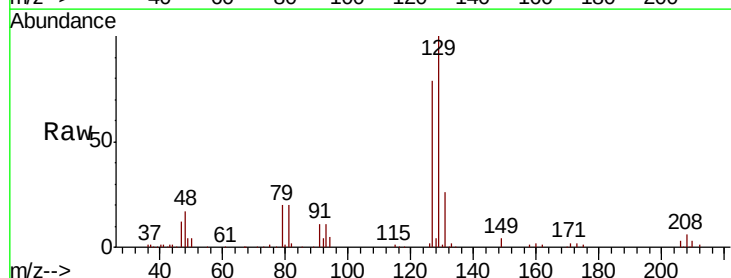
Manual Integrations
APPROVED

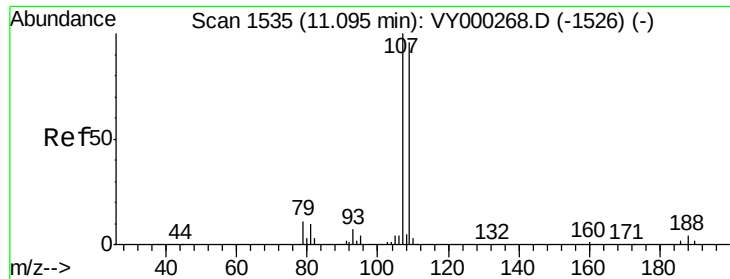
MMDadoda
10/18/2019 12:50:37 AM



#60
Dibromochloromethane
Concen: 20.376 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	39.9	119.7





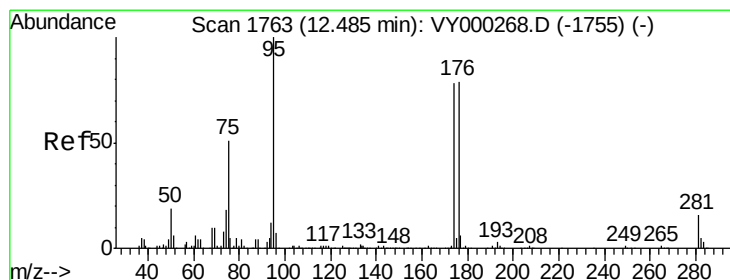
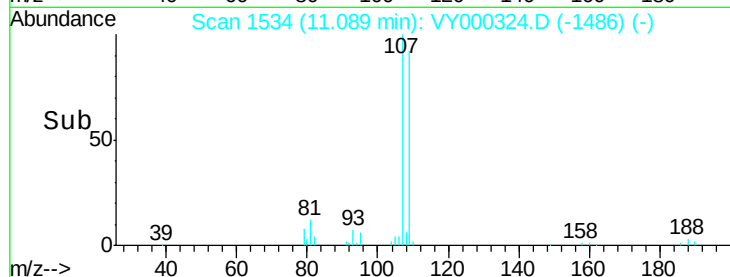
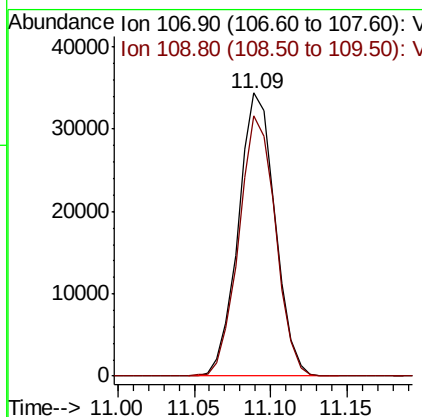
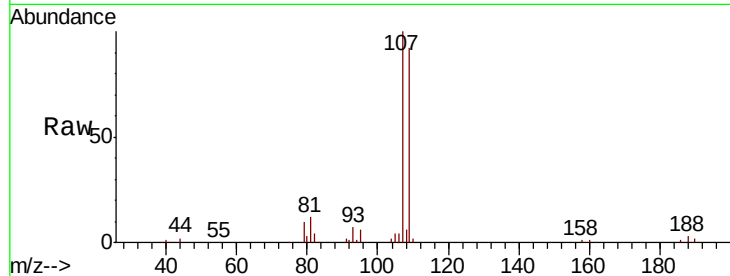
#61
 1,2-Dibromoethane
 Concen: 21.191 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	75.1	112.7

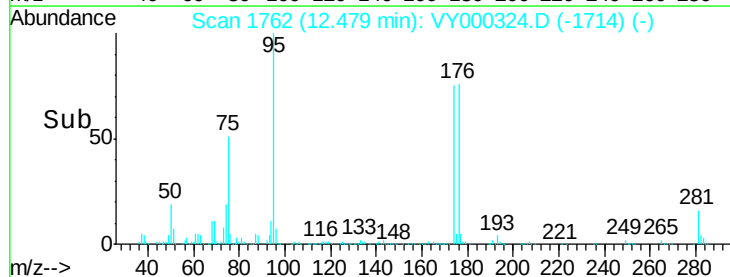
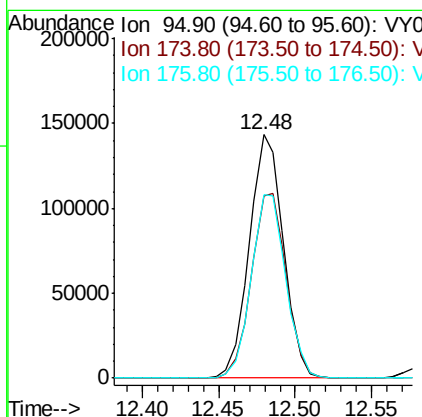
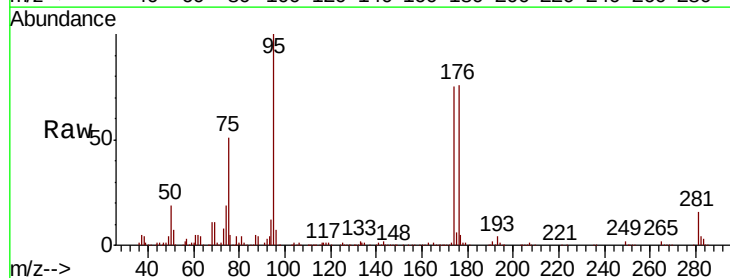
Manual Integrations
 APPROVED

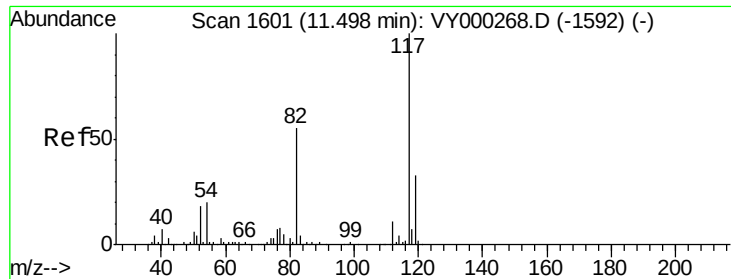
MMDadoda
 10/18/2019 12:50:37 AM



#62
 4-Bromofluorobenzene
 Concen: 50.378 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	159.6
176	76.5	0.0	153.8





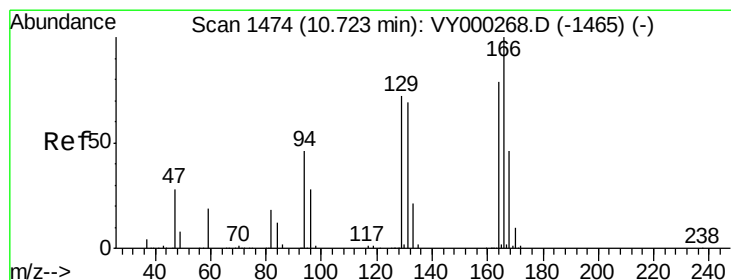
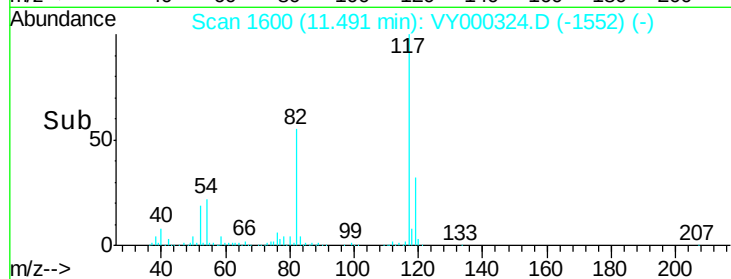
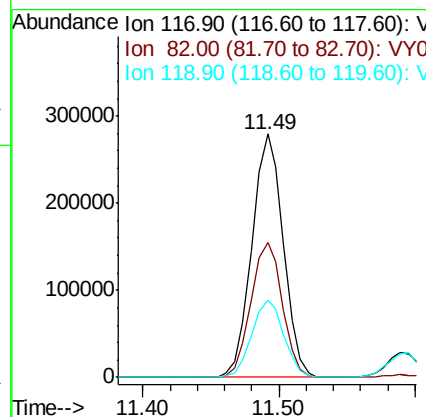
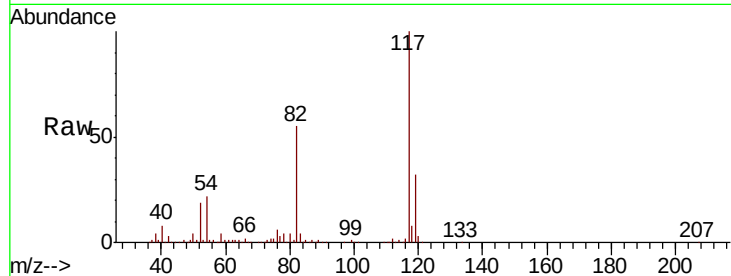
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	43.7	65.5
119	31.5	26.6	39.8

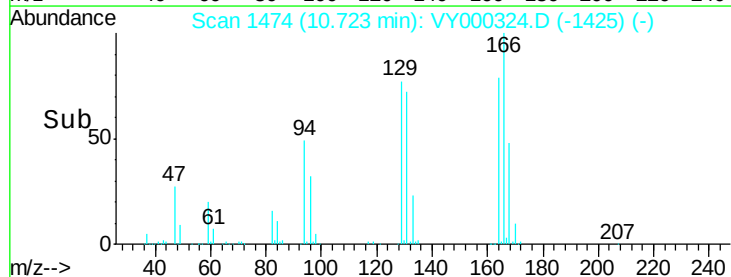
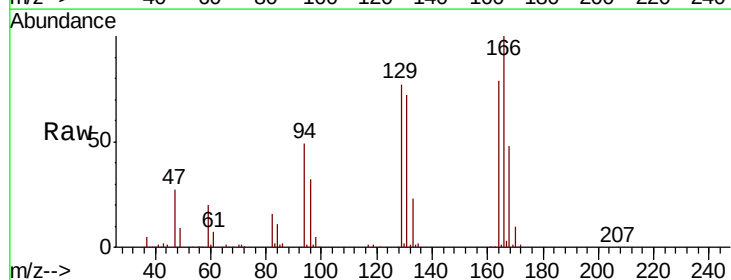
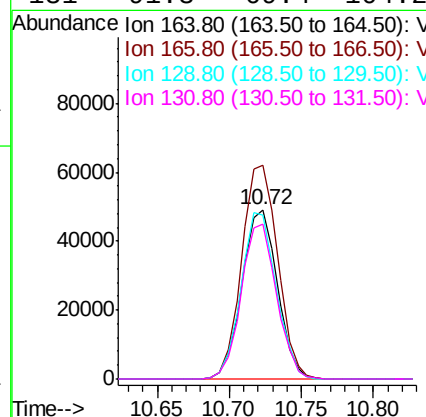
Manual Integrations
APPROVED

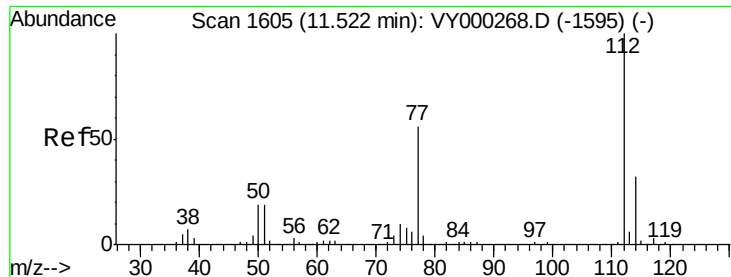
MMDadoda
10/18/2019 12:50:37 AM



#64
Tetrachloroethene
Concen: 19.508 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	100.6	151.0
129	96.7	72.8	109.2
131	91.3	69.4	104.2





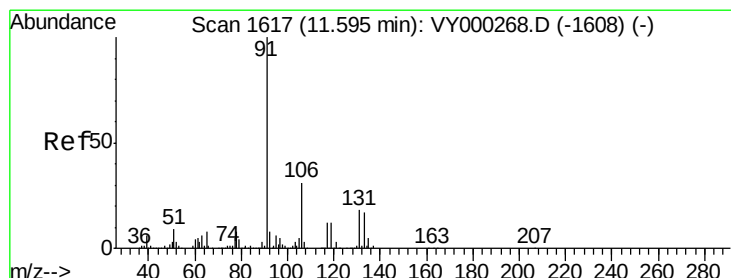
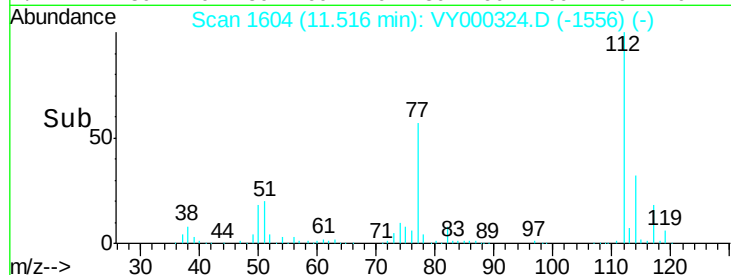
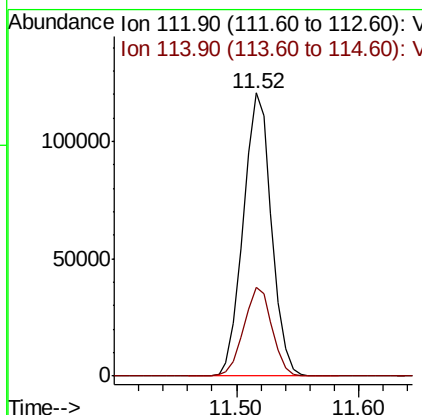
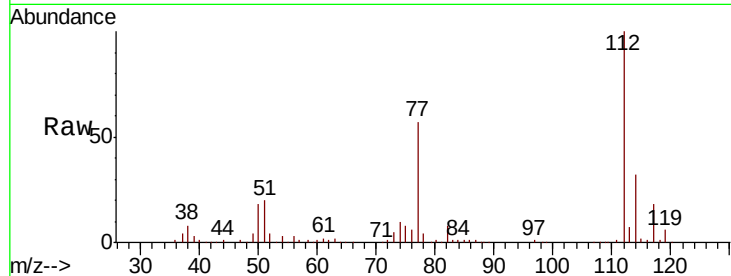
#65
Chlorobenzene
Concen: 20.251 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion:112 Resp: 192819
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

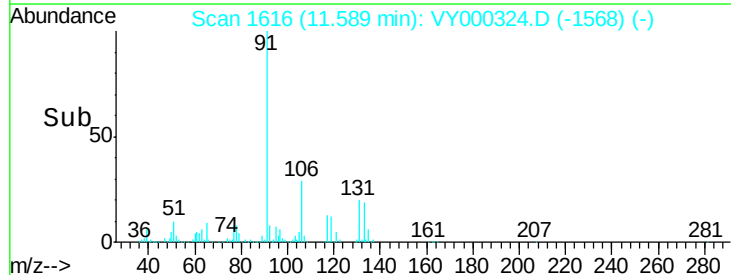
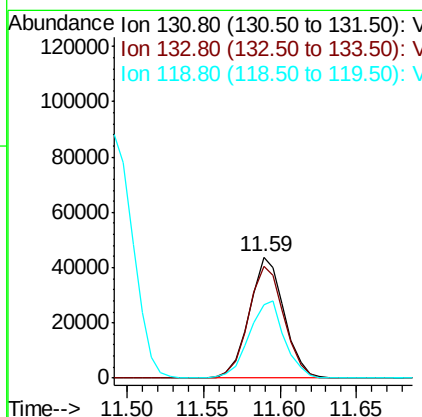
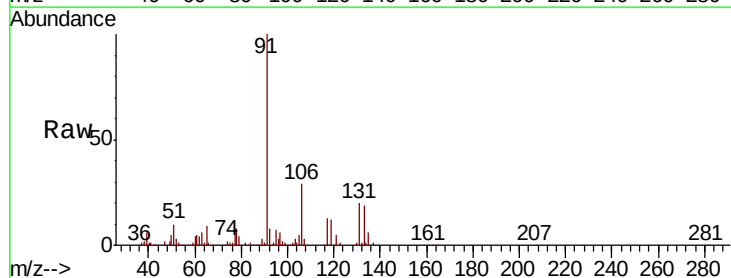
Manual Integrations
APPROVED

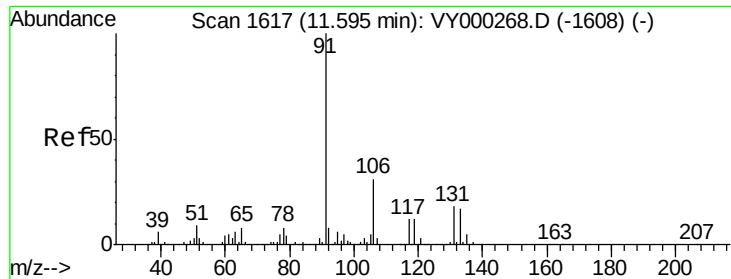
MMDadoda
10/18/2019 12:50:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.604 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion:131 Resp: 68914
Ion Ratio Lower Upper
131 100
133 94.9 47.2 141.6
119 65.2 32.6 98.0





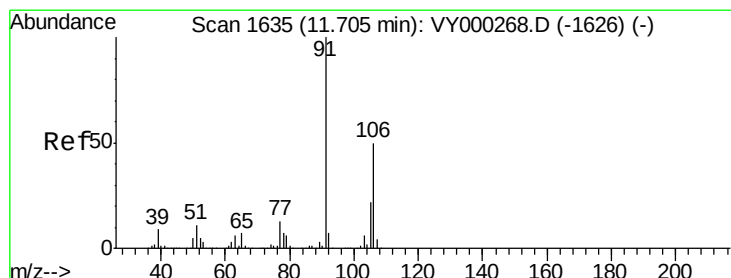
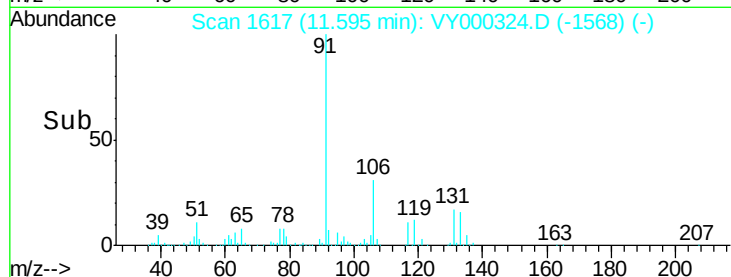
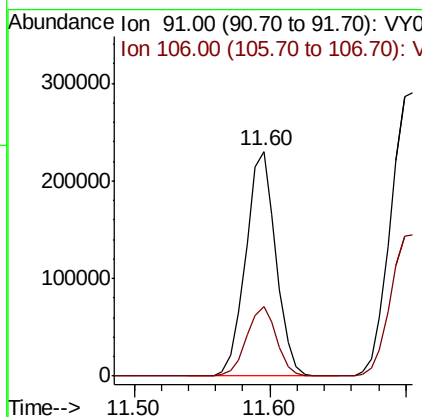
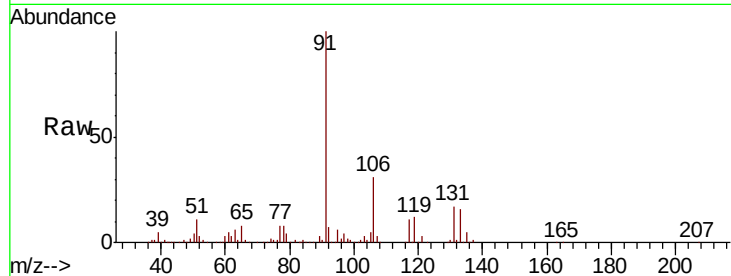
#67
Ethyl Benzene
Concen: 20.097 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion: 91 Resp: 354723
Ion Ratio Lower Upper
91 100
106 31.0 25.0 37.6

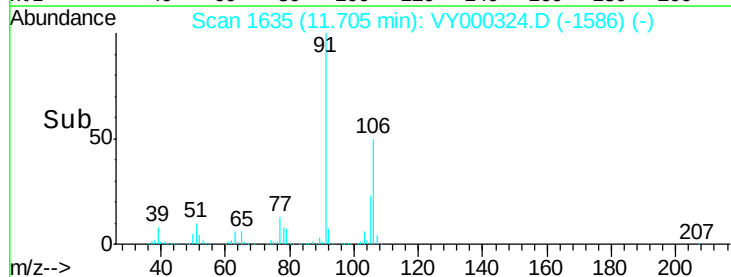
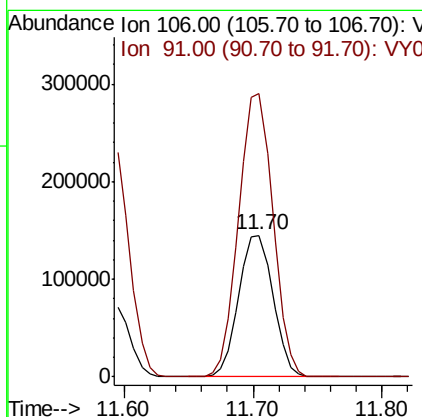
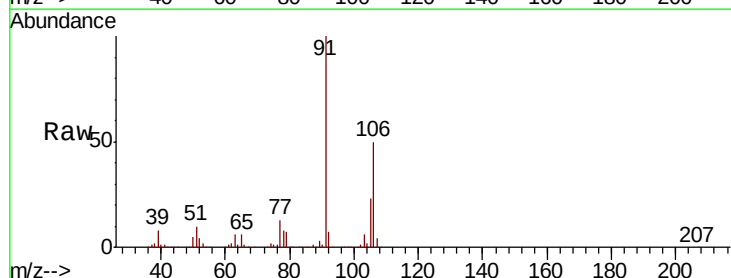
Manual Integrations
APPROVED

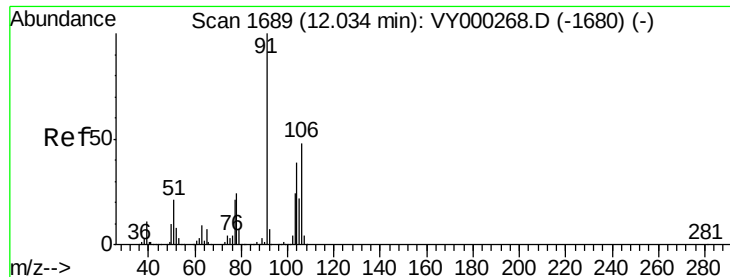
MMDadoda
10/18/2019 12:50:37 AM



#68
m/p-Xylenes
Concen: 39.836 ug/l
RT: 11.70 min Scan# 1635
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion: 106 Resp: 268799
Ion Ratio Lower Upper
106 100
91 200.0 157.5 236.3





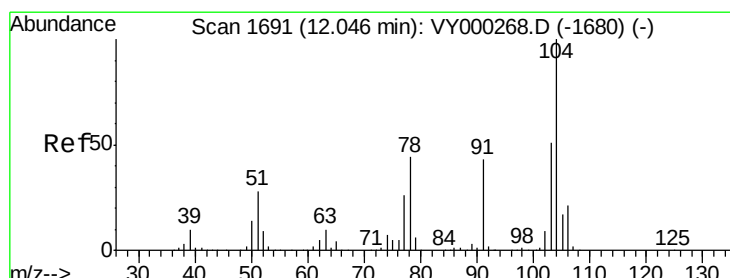
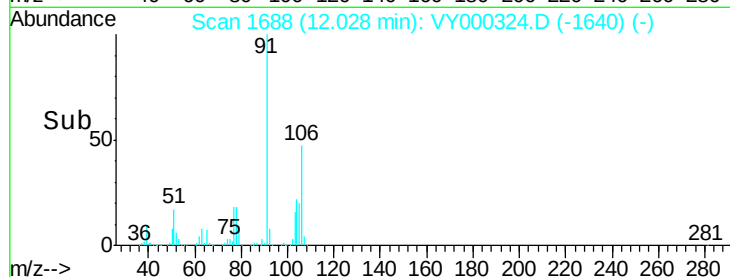
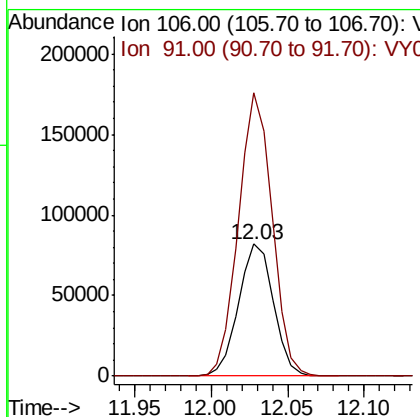
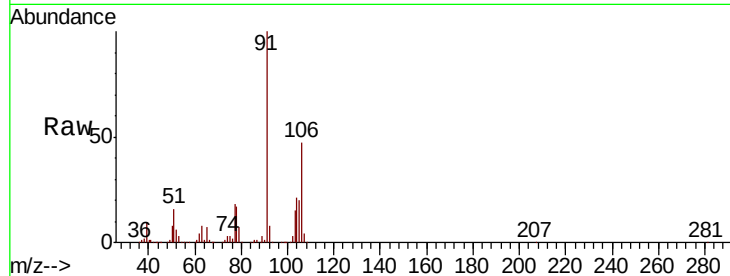
#69
o-Xylene
Concen: 20.113 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	208.1	104.7	313.9	

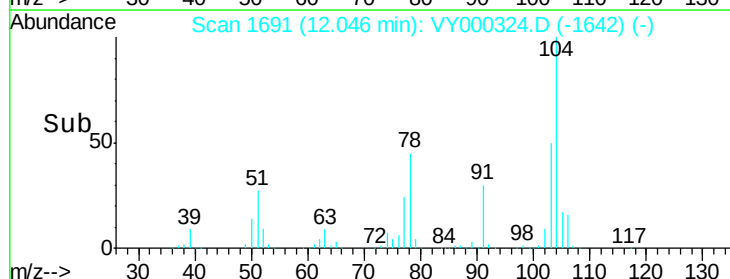
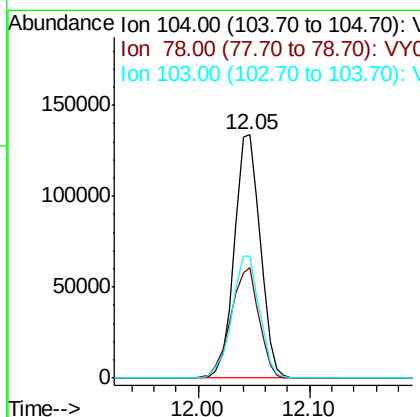
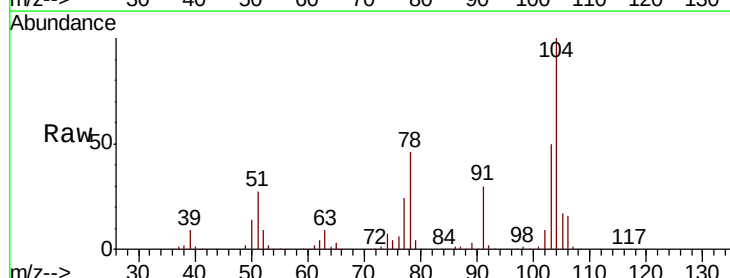
Manual Integrations
APPROVED

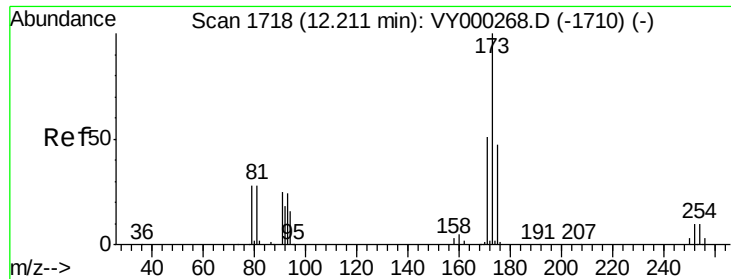
MMDadoda
10/18/2019 12:50:37 AM



#70
Styrene
Concen: 19.819 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.6	39.0	58.6	
103	53.9	43.1	64.7	





#71

Bromoform

Concen: 20.324 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion:173 Resp: 39078

Ion Ratio Lower Upper

173 100

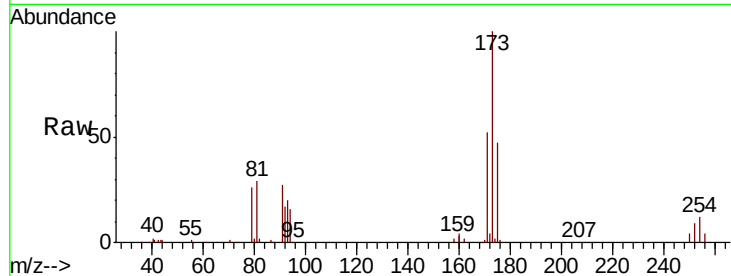
175 48.1 24.6 73.6

254 0.0 0.1 0.1#

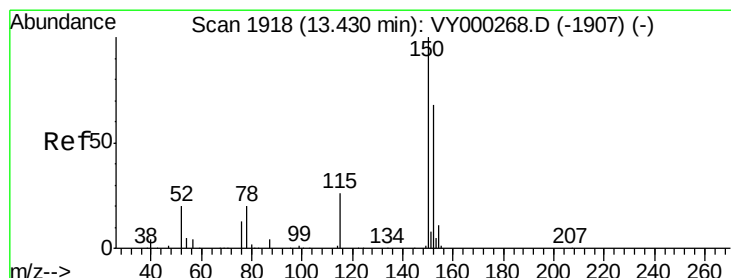
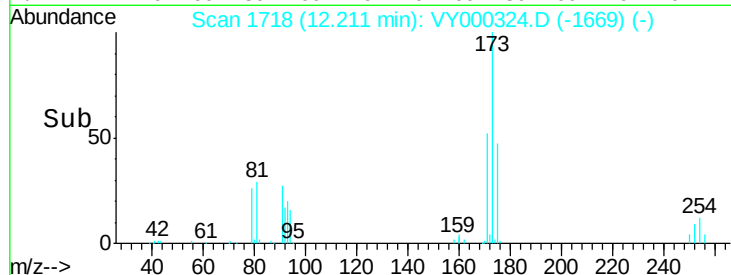
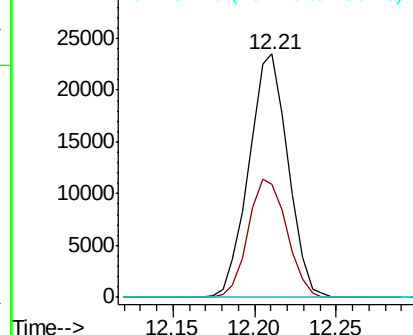
Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:50:37 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: 13.42 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

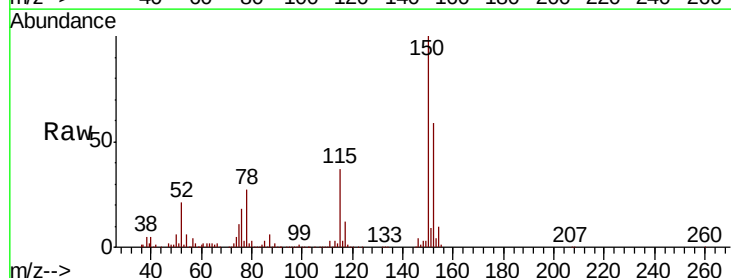
Tgt Ion:152 Resp: 217844

Ion Ratio Lower Upper

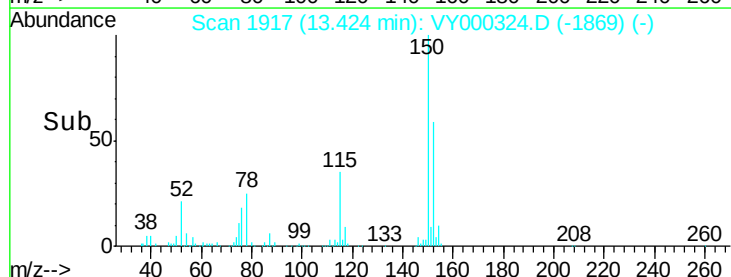
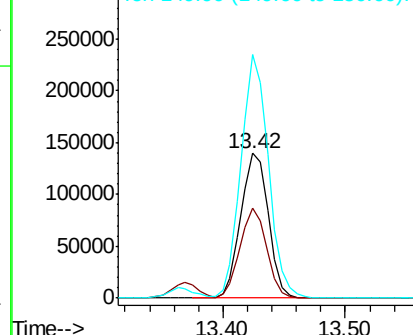
152 100

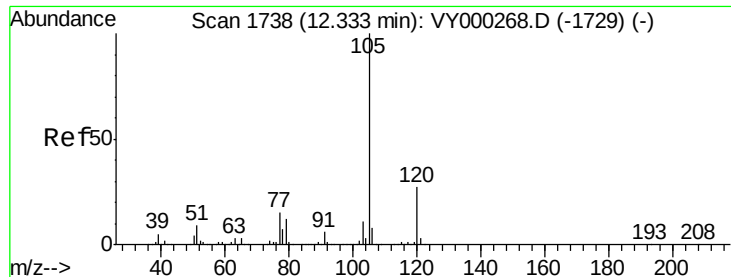
115 59.8 29.3 88.0

150 167.4 0.0 348.4



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: 20.263 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 105 Resp: 344185

Ion Ratio Lower Upper

105 100

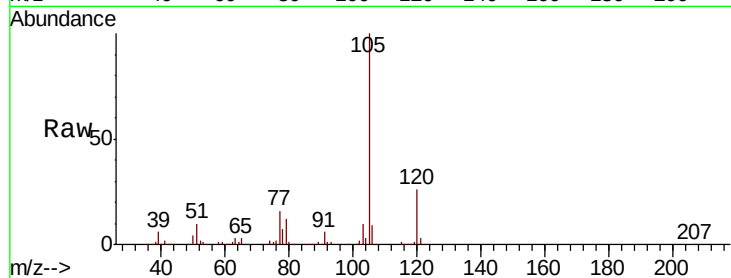
120 26.5 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

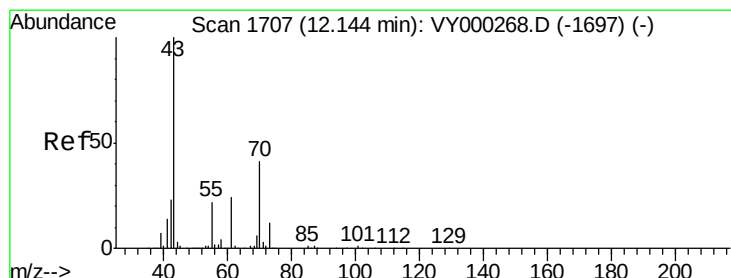
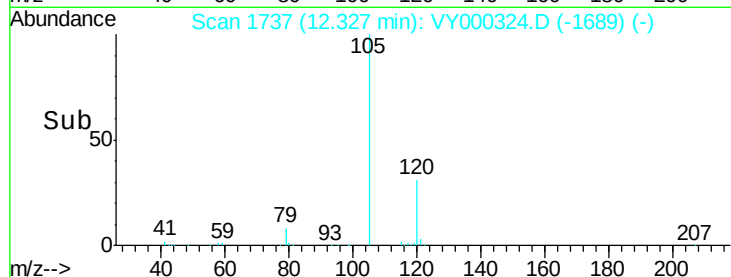
50000

0

12.33

12.40

Time-->



#74

N-ethyl acetate

Concen: 24.397 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion: 43 Resp: 101735

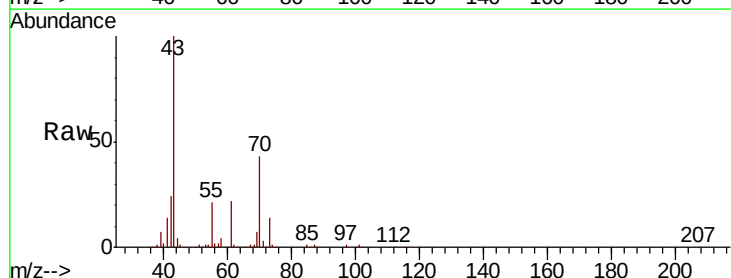
Ion Ratio Lower Upper

43 100

70 42.4 32.9 49.3

55 22.2 17.8 26.6

61 24.4 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0

100000

80000

60000

40000

20000

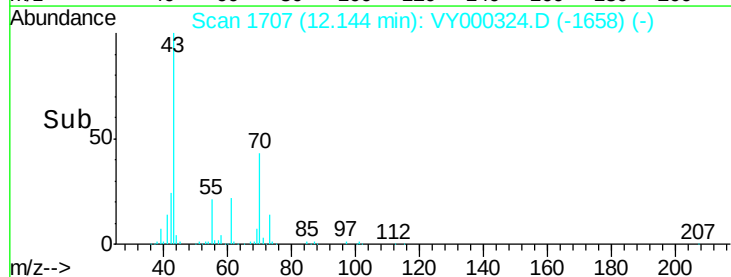
0

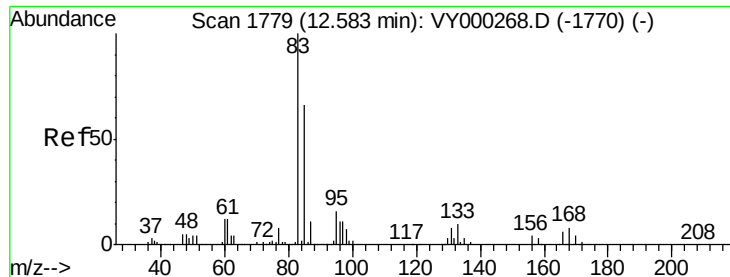
12.14

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.813 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

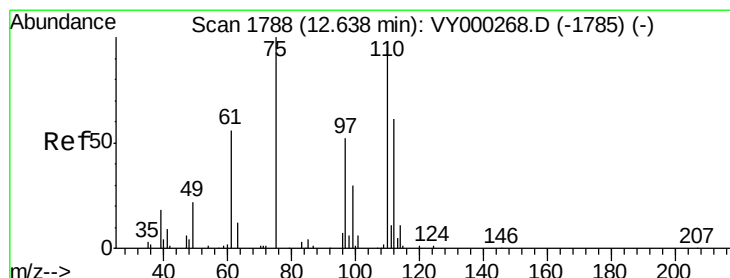
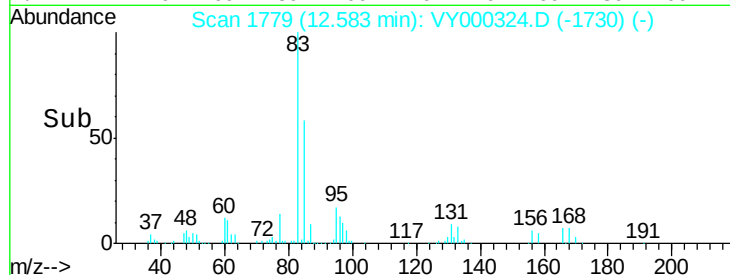
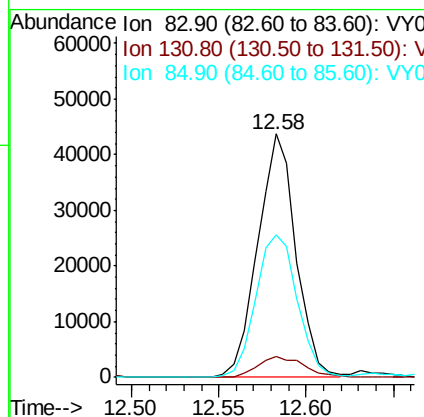
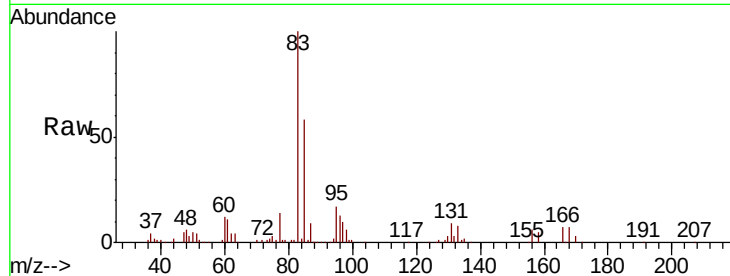
ClientSampleId :

VY1016SBS01

Tot Ion:	83	Resp:	66378
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	16.1
85	64.2	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#76

1,2,3-Trichloropropane

Concen: 20.729 ug/l m

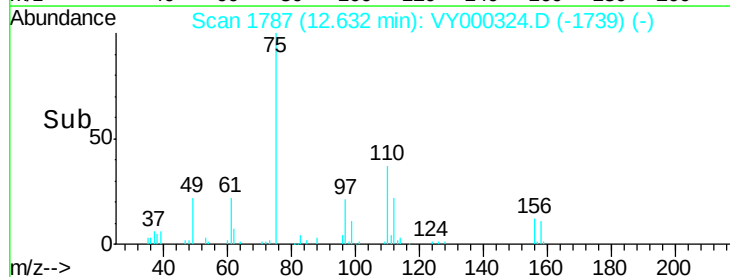
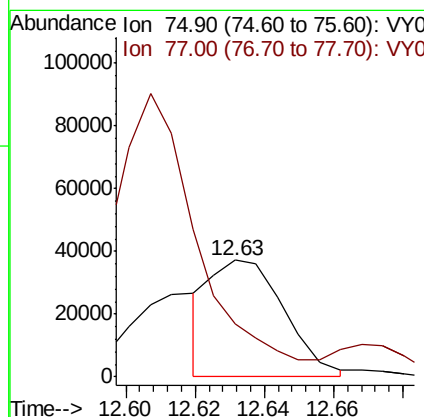
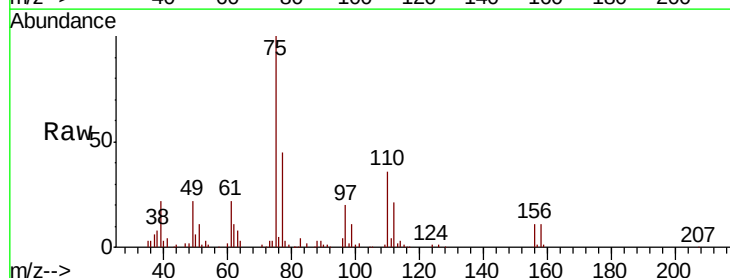
RT: 12.63 min Scan# 1787

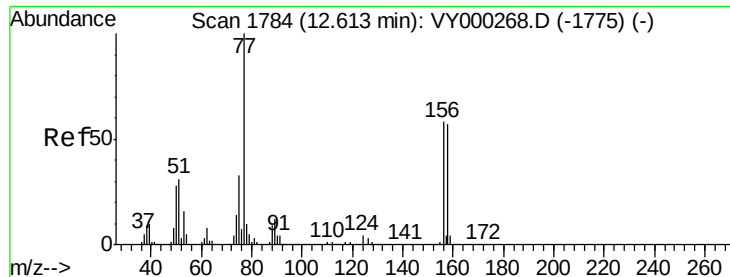
Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	75	Resp:	55527
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.472 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion:156 Resp: 77378

Ion Ratio Lower Upper

156 100

77 205.3 101.0 302.9

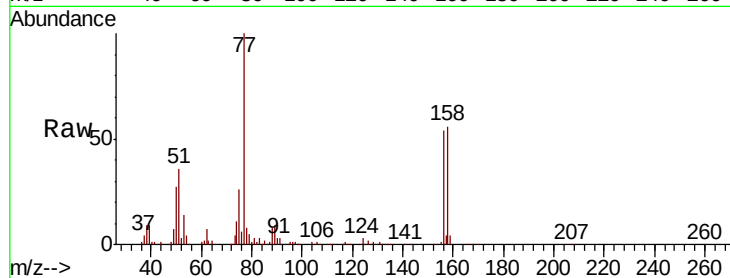
158 98.2 49.7 149.1

Manual Integrations

APPROVED

MMDadoda

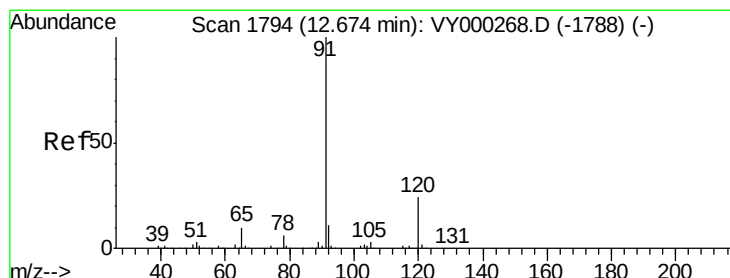
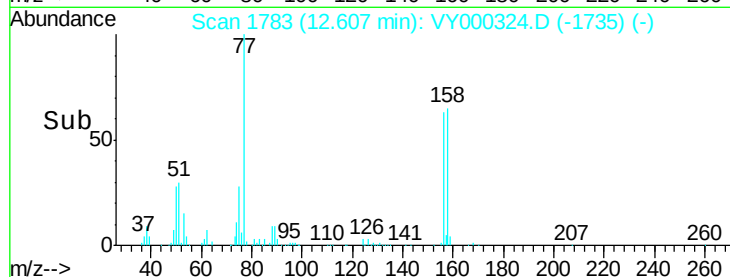
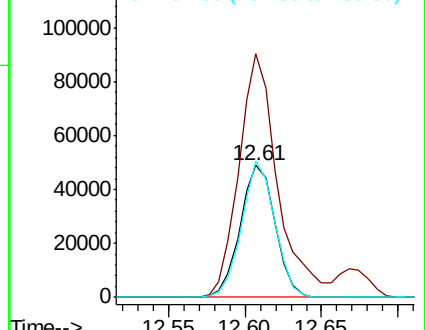
10/18/2019 12:50:37 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.219 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VY000324.D

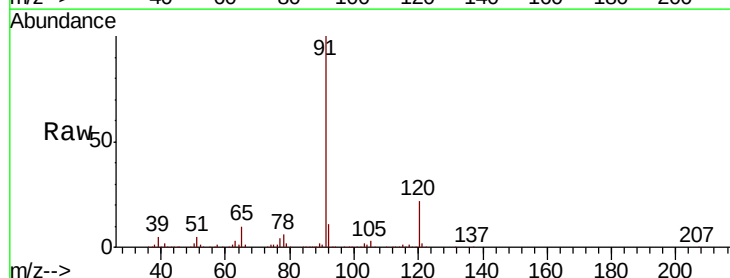
Acq: 16 Oct 2019 13:03

Tgt Ion: 91 Resp: 412362

Ion Ratio Lower Upper

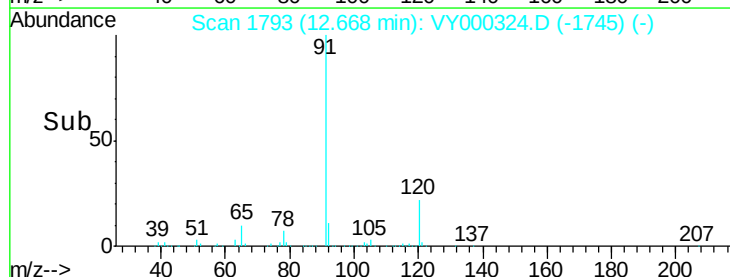
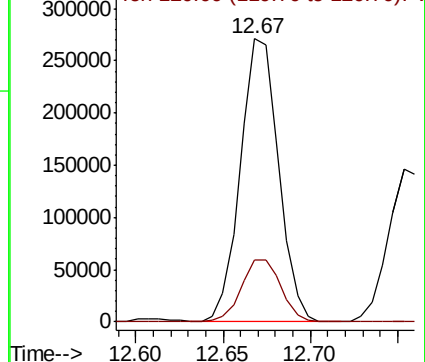
91 100

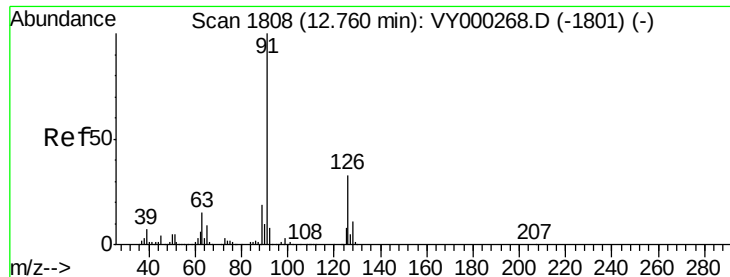
120 22.8 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.726 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.01 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion: 91 Resp: 233439

Ion Ratio Lower Upper

91 100

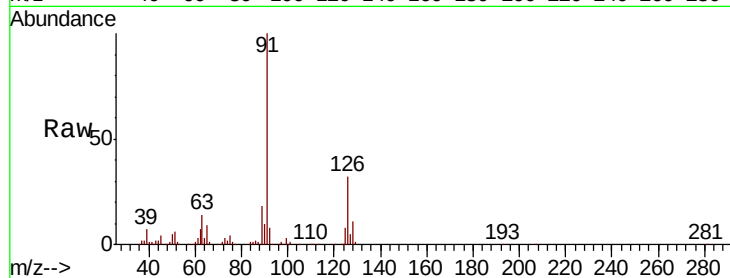
126 34.1 17.1 51.3

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:50:37 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000324.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY000324.D (-1759) (-)

200000

150000

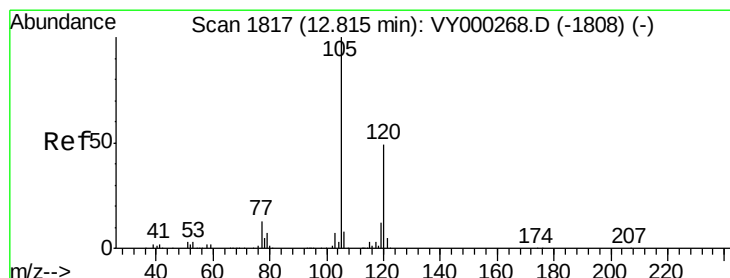
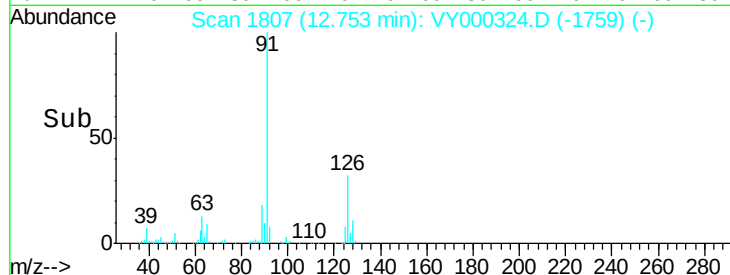
100000

50000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.694 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000324.D

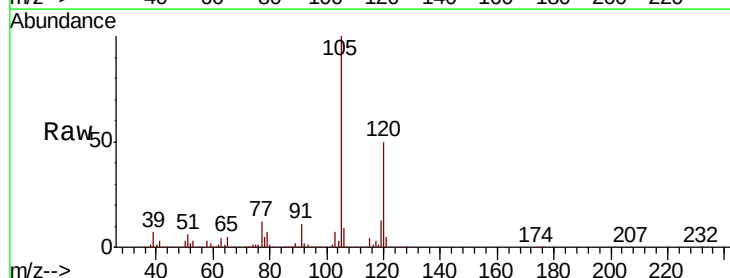
Acq: 16 Oct 2019 13:03

Tgt Ion: 105 Resp: 294744

Ion Ratio Lower Upper

105 100

120 48.3 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000324.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY000324.D (-1768) (-)

200000

150000

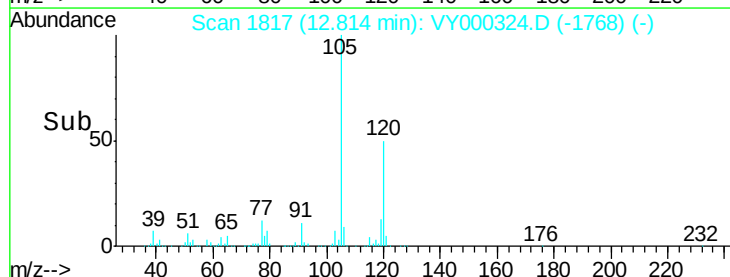
100000

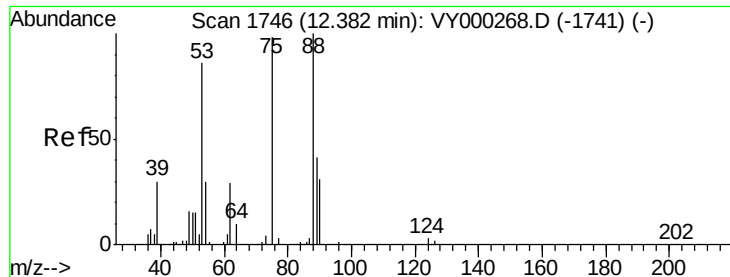
50000

0

12.80 12.90

Time-->





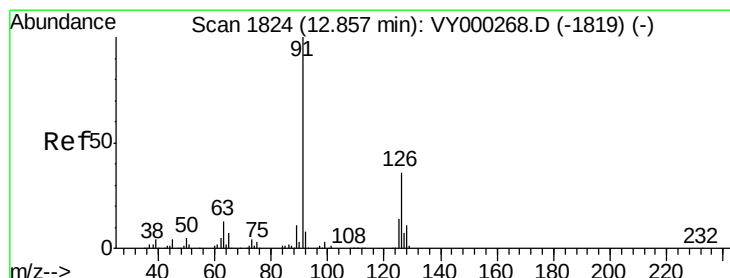
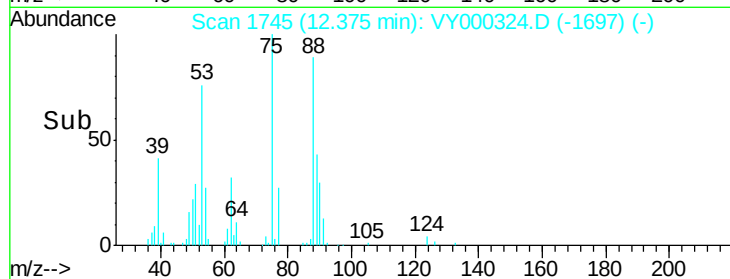
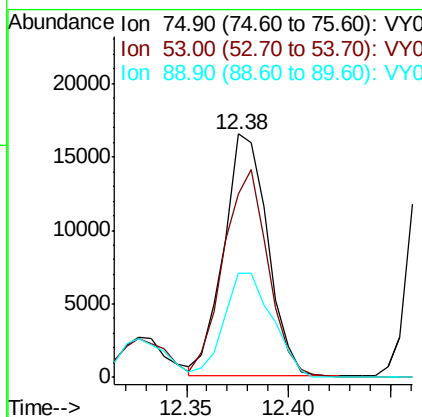
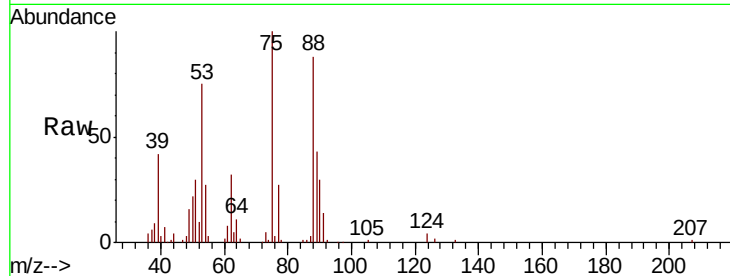
#81
trans-1,4-Dichloro-2-butene
Concen: 20.015 ug/l
RT: 12.38 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.0	71.3	106.9
89	47.3	35.1	52.7

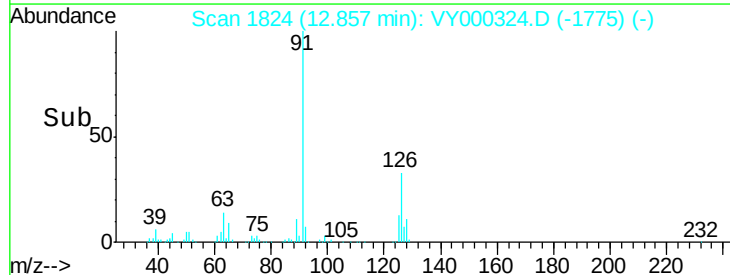
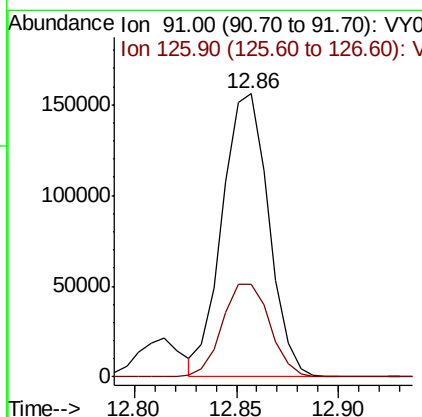
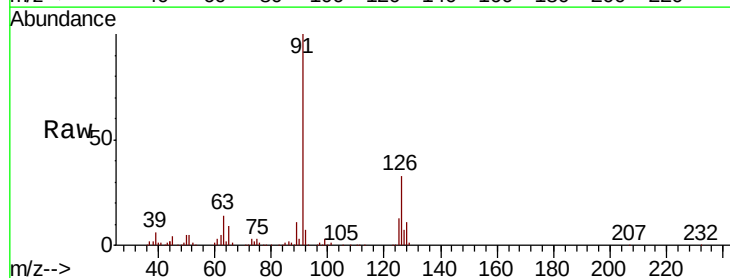
Manual Integrations
APPROVED

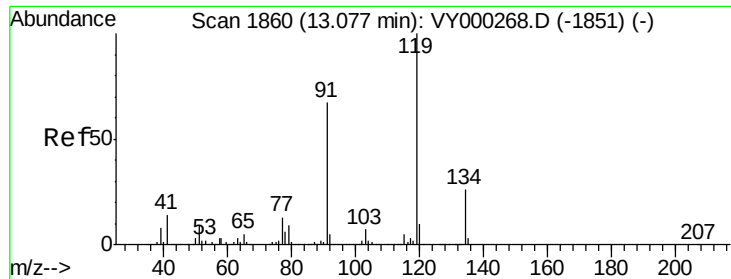
MMDadoda
10/18/2019 12:50:37 AM



#82
4-Chlorotoluene
Concen: 20.649 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.2	51.5





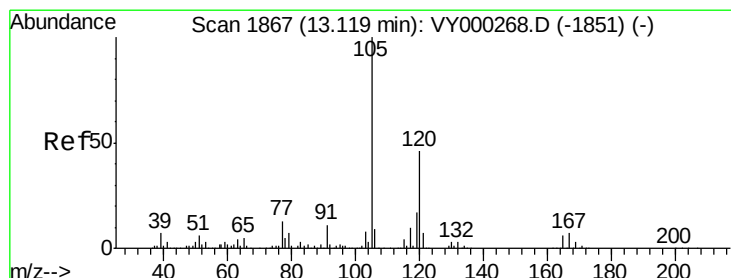
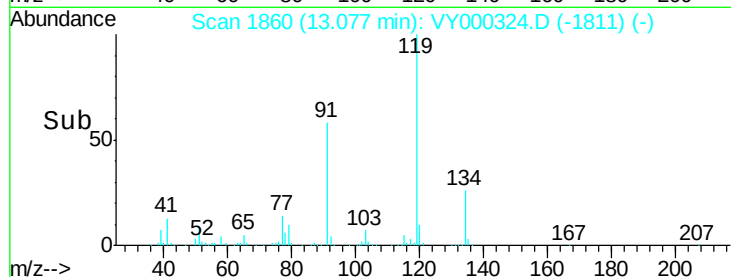
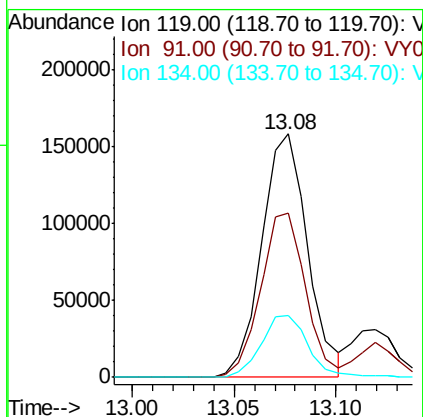
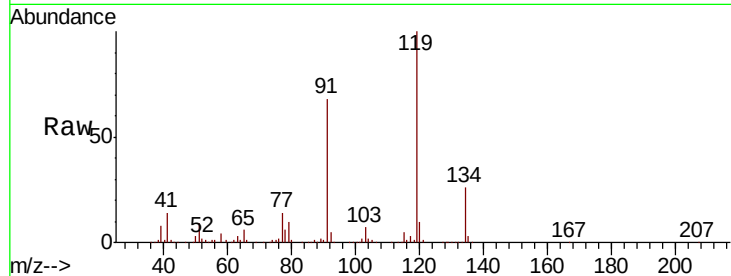
#83
 tert-Butylbenzene
 Concen: 20.519 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.3	32.9	98.7
134	26.4	13.3	39.8

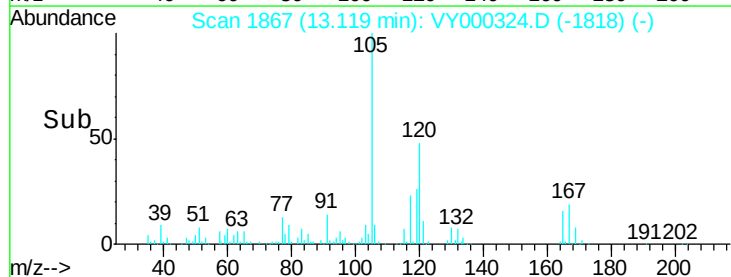
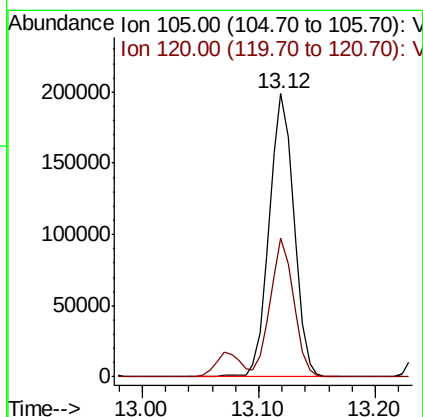
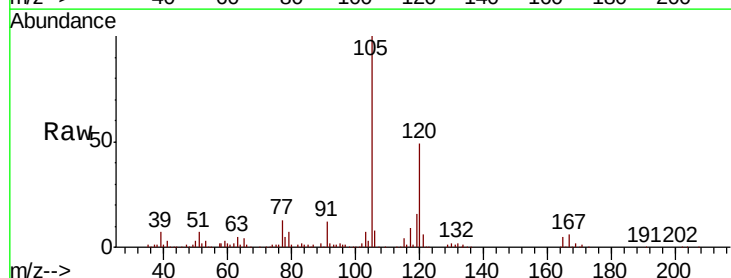
Manual Integrations
 APPROVED

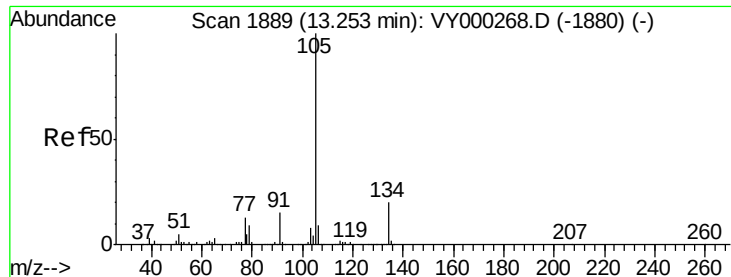
MMDadoda
 10/18/2019 12:50:37 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.707 ug/l
 RT: 13.12 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 20.322 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

ClientSampleId :

VY1016SBS01

Tot Ion:105 Resp: 354589

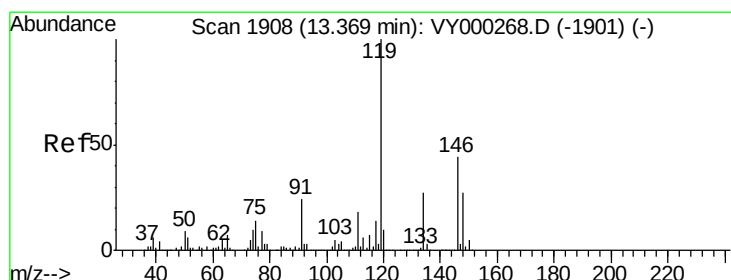
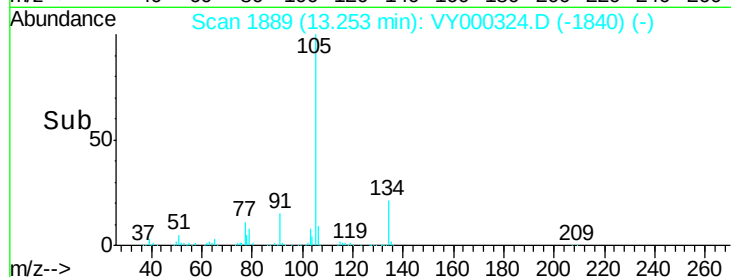
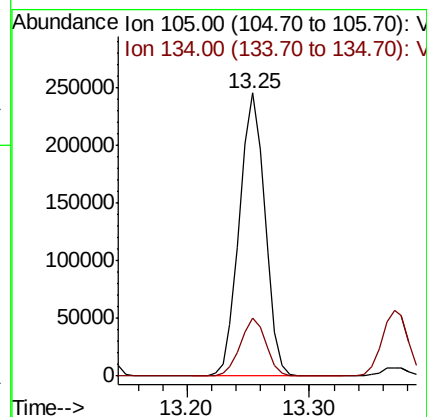
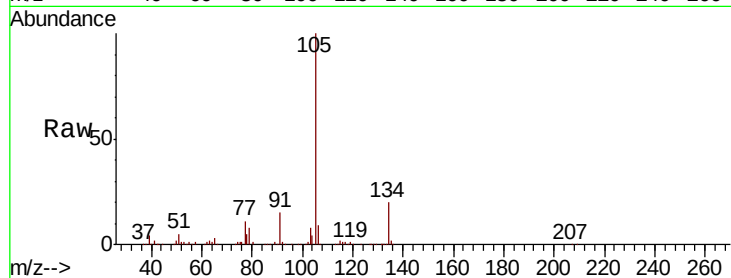
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#86

p-Isopropyltoluene

Concen: 20.864 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

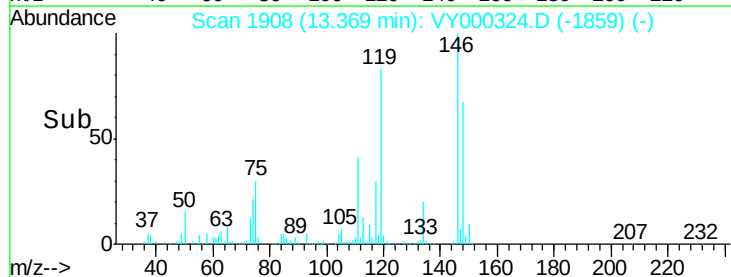
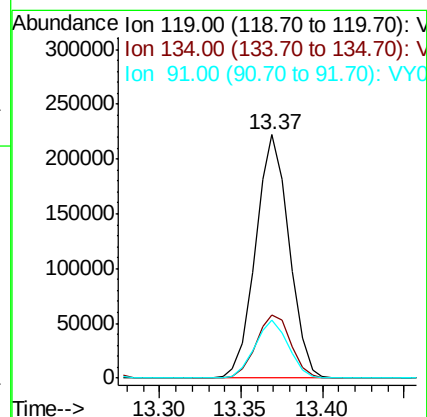
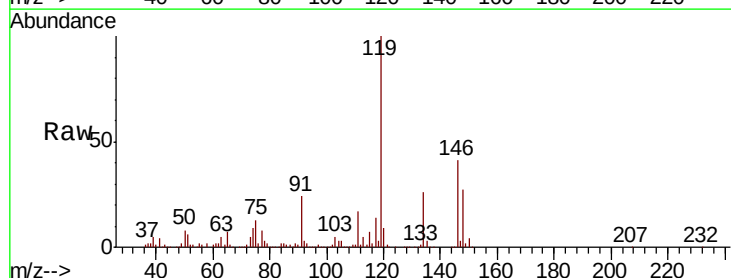
Tgt Ion:119 Resp: 317392

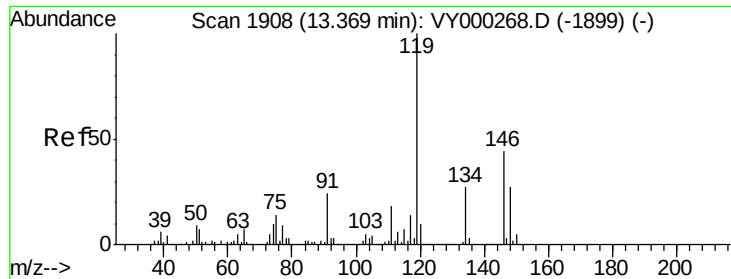
Ion Ratio Lower Upper

119 100

134 26.8 13.6 40.8

91 23.9 12.0 36.1





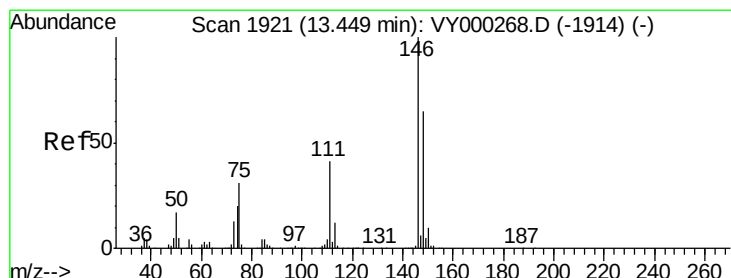
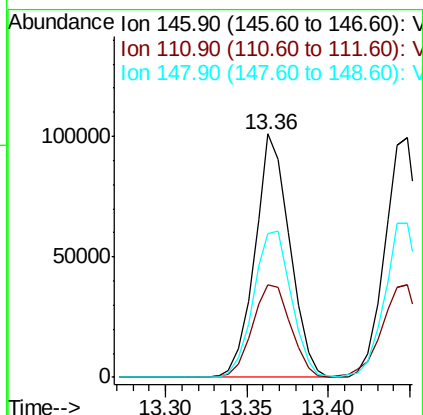
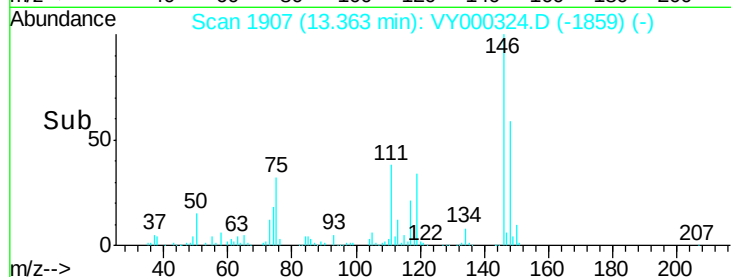
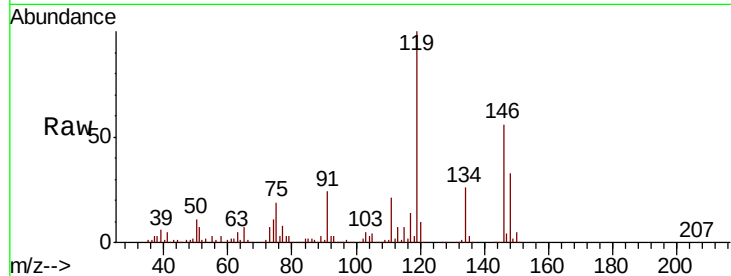
#87
 1,3-Dichlorobenzene
 Concen: 19.995 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	148909		
111	42.0		20.6	61.8
148	65.3		31.9	95.5

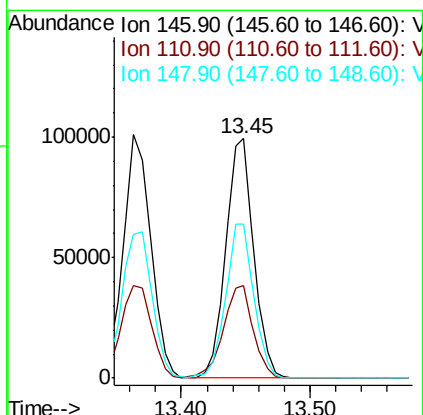
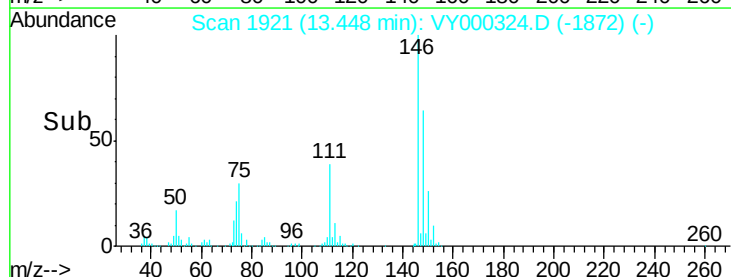
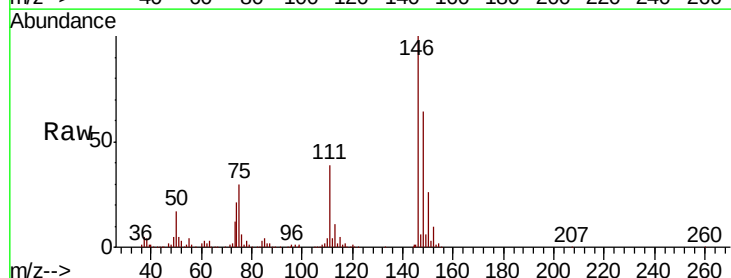
Manual Integrations
 APPROVED

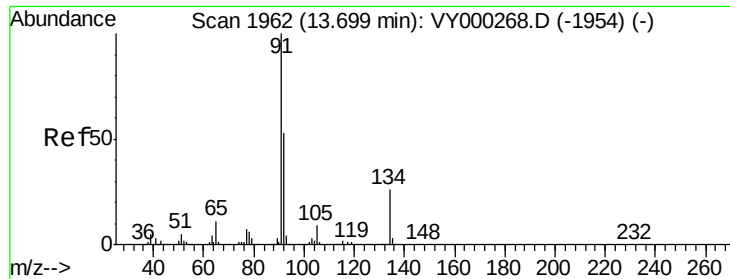
MMDadoda
 10/18/2019 12:50:37 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.281 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	150964		
111	41.6		20.1	60.2
148	64.7		32.4	97.2





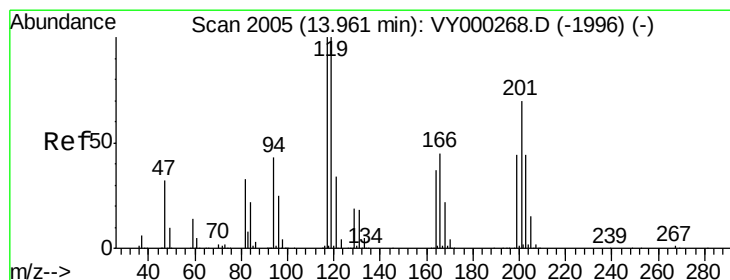
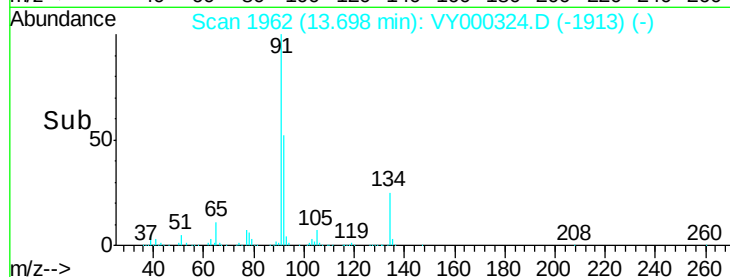
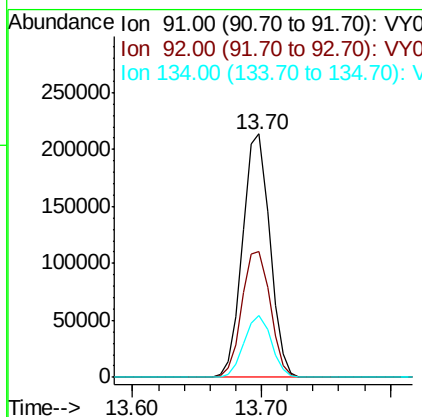
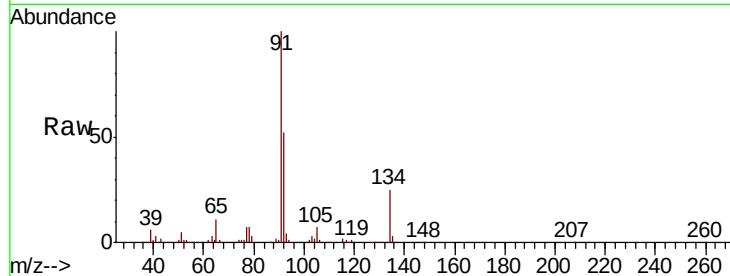
#89
n-Butylbenzene
Concen: 20.723 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VY1016SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	26.7	80.1
134	25.5	13.0	38.9

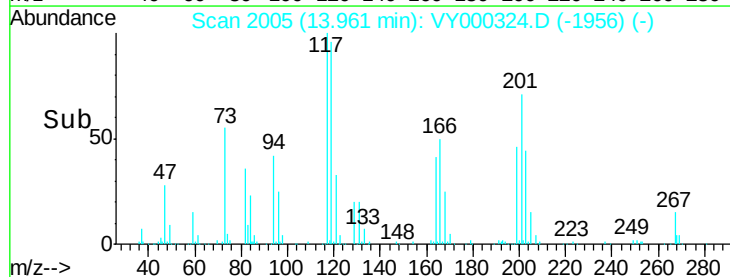
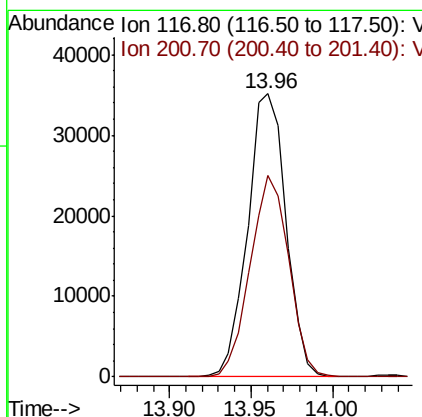
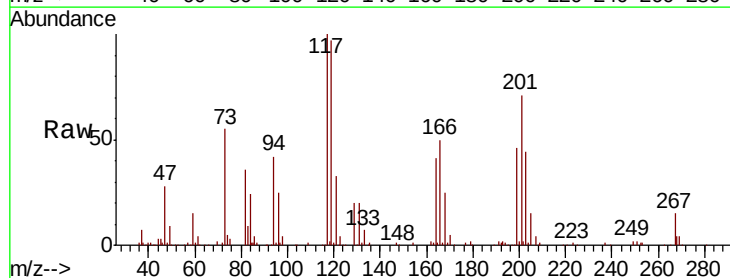
Manual Integrations
APPROVED

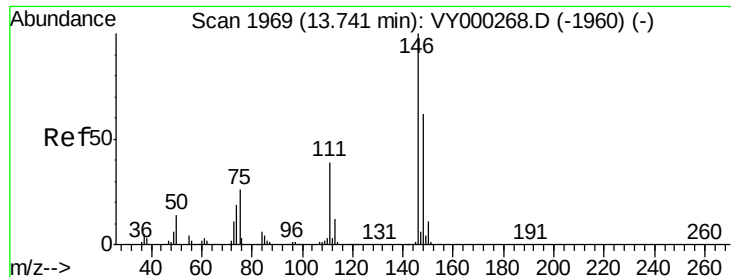
MMDadoda
10/18/2019 12:50:37 AM



#90
Hexachloroethane
Concen: 20.466 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000324.D
Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.5	36.3	108.7





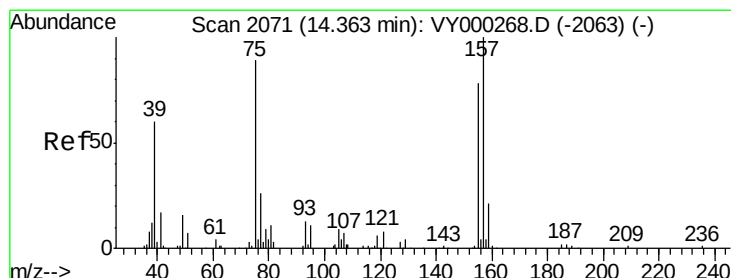
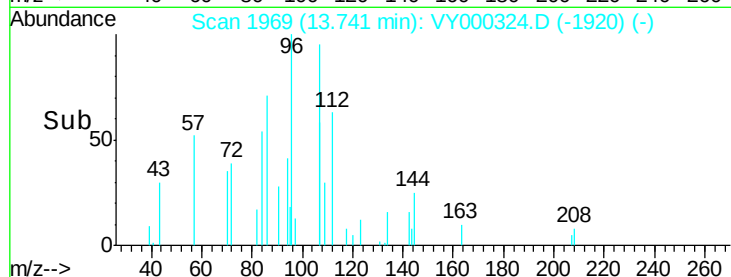
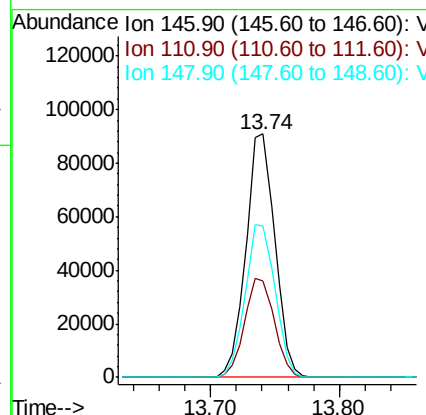
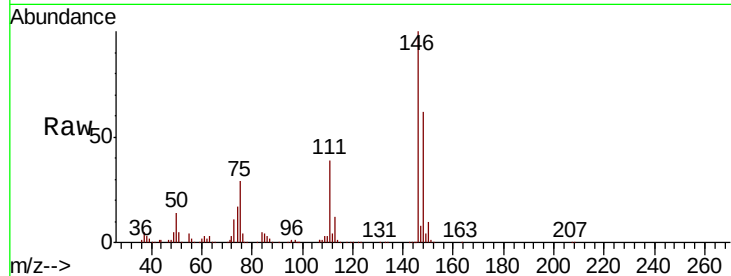
#91
 1,2-Dichlorobenzene
 Concen: 20.951 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.5
148	64.9	31.6	95.0

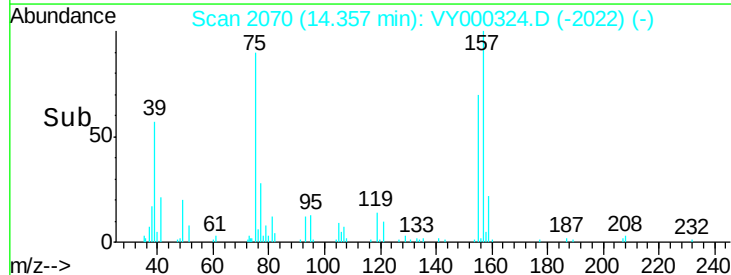
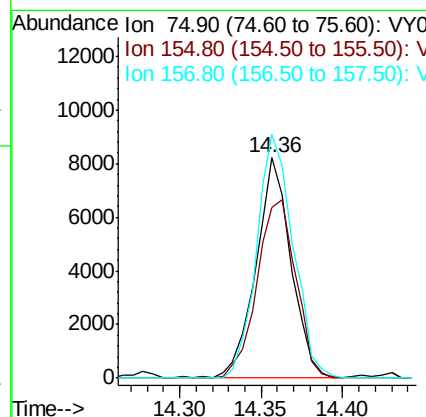
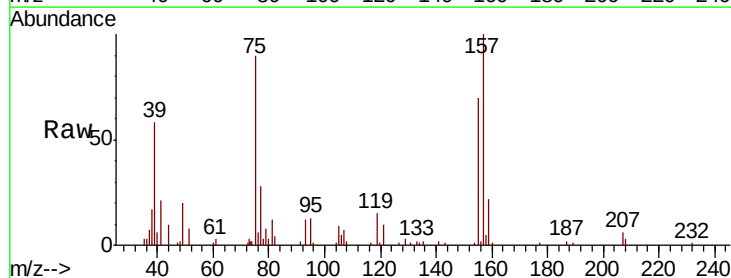
Manual Integrations
 APPROVED

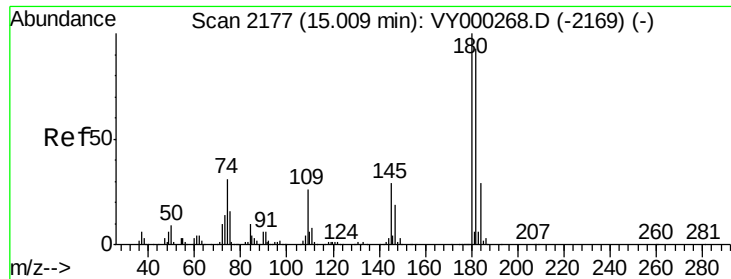
MMDadoda
 10/18/2019 12:50:37 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.325 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	45.8	137.3
157	115.5	55.6	166.9





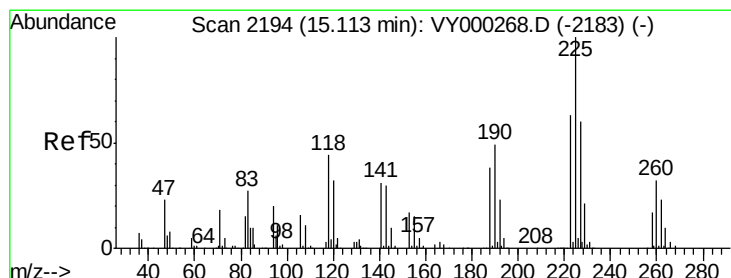
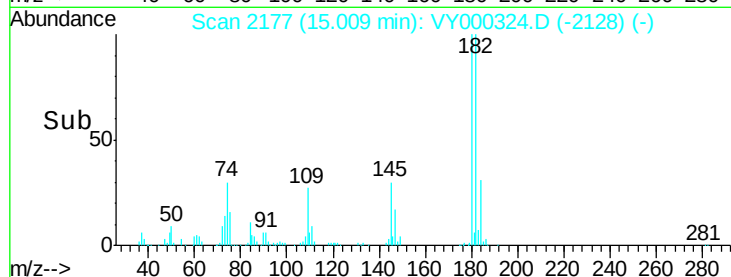
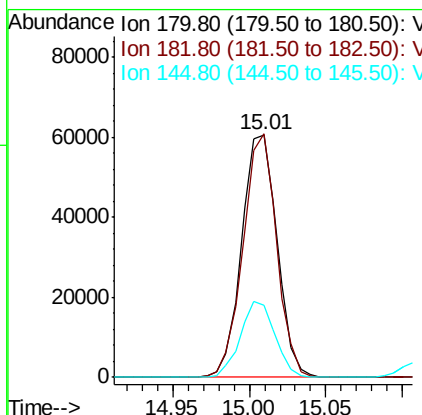
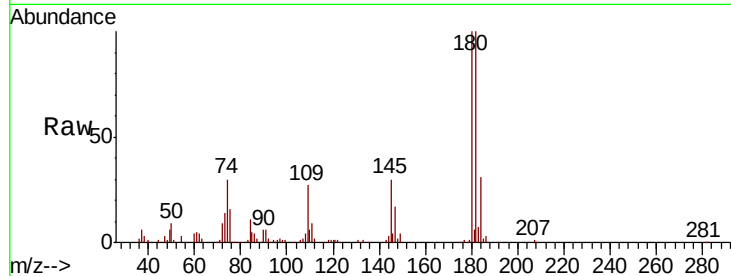
#93
 1,2,4-Trichlorobenzene
 Concen: 20.804 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1016SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.6
145	30.8	15.4	46.1

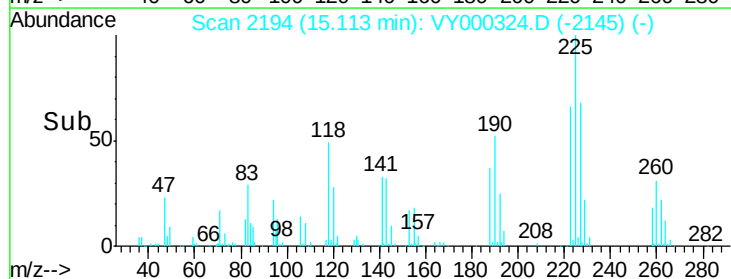
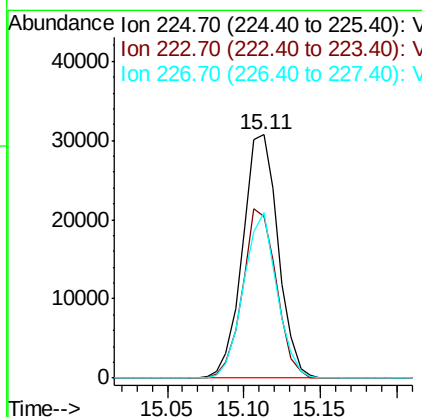
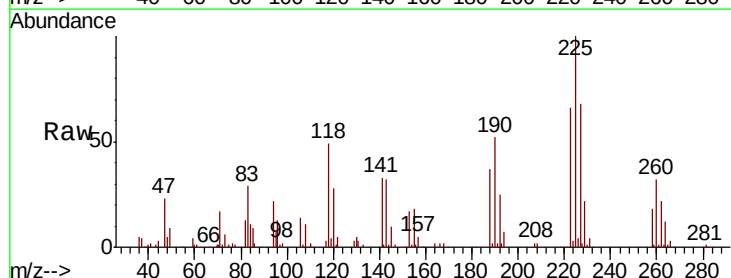
Manual Integrations
 APPROVED

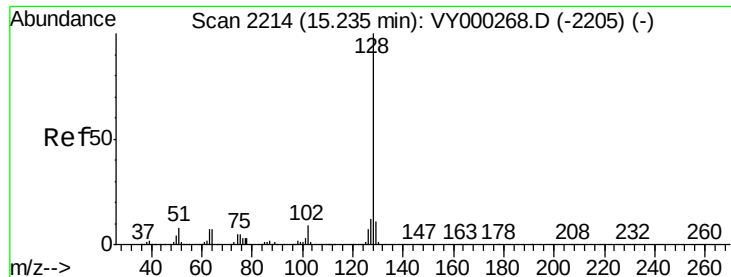
MMDadoda
 10/18/2019 12:50:37 AM



#94
 Hexachlorobutadiene
 Concen: 19.579 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000324.D
 Acq: 16 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.7	31.9	95.7
227	63.6	31.4	94.2





#95

Naphthalene

Concen: 21.473 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Instrument :

MSVOA_Y

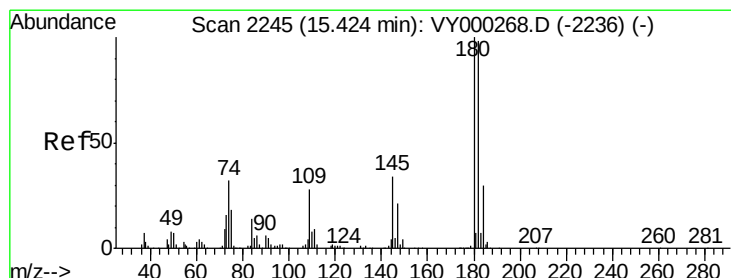
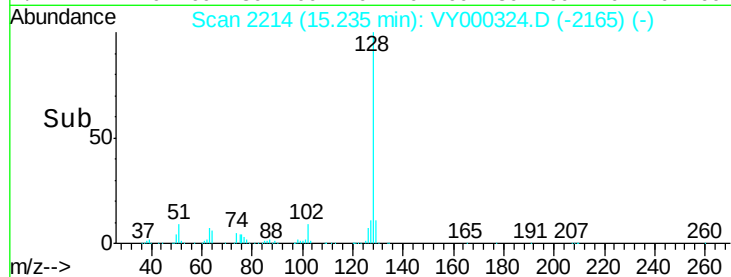
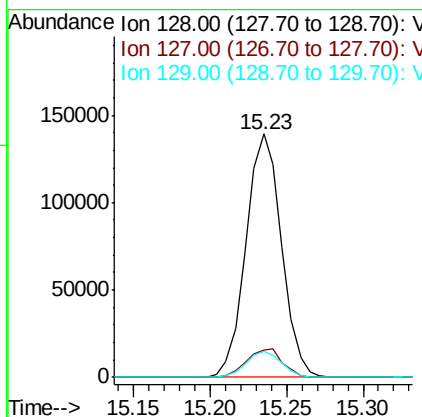
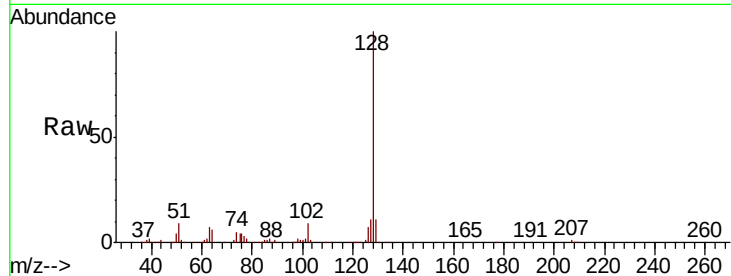
ClientSampleId :

VY1016SBS01

Tot Ion:	128	Resp:	224856
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.6	14.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:50:37 AM



#96

1,2,3-Trichlorobenzene

Concen: 21.212 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. -0.00 min

Lab File: VY000324.D

Acq: 16 Oct 2019 13:03

Tgt Ion:	180	Resp:	89706
Ion Ratio	Lower	Upper	
180	100		
182	91.3	46.5	139.5
145	31.4	16.2	48.5

