

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000808.D
 Acq On : 27 Nov 2019 10:12
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:43 AM

Quant Time: Nov 27 12:08:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	326540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	560215	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	496713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	227240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.14	65	19037	5.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.40%	
35) Dibromofluoromethane	7.73	113	17000	5.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.44%	
50) Toluene-d8	10.18	98	73111	5.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.80%	
62) 4-Bromofluorobenzene	12.48	95	28645	6.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	17893	5.516	ug/l	94
3) Chloromethane	2.12	50	22812	5.167	ug/l	91
4) Vinyl Chloride	2.25	62	21592	5.216	ug/l	96
5) Bromomethane	2.65	94	14930	5.952	ug/l	83
6) Chloroethane	2.80	64	14022	5.382	ug/l	94
7) Trichlorofluoromethane	3.13	101	29848	5.305	ug/l	91
8) Diethyl Ether	3.53	74	11085	5.476	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.91	101	17969	5.248	ug/l	97
10) Methyl Iodide	4.10	142	21473	5.296	ug/l	96
11) Tert butyl alcohol	4.96	59	8030	23.483	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	18003	5.457	ug/l	94
13) Acrolein	3.74	56	7834	26.493	ug/l	88
14) Allyl chloride	4.49	41	31511	5.740	ug/l	99
15) Acrylonitrile	5.17	53	26541	25.375	ug/l	95
16) Acetone	3.96	43	20497	22.843	ug/l	93
17) Carbon Disulfide	4.19	76	54984	5.207	ug/l	98
18) Methyl Acetate	4.48	43	20656	6.858	ug/l	95
19) Methyl tert-butyl Ether	5.22	73	45682	4.918	ug/l	98
20) Methylene Chloride	4.72	84	21703	5.318	ug/l	97
21) trans-1,2-Dichloroethene	5.23	96	21702	5.764	ug/l #	86
22) Diisopropyl ether	6.13	45	64256	5.431	ug/l	98
23) Vinyl Acetate	6.07	43	158927	21.274	ug/l	98
24) 1,1-Dichloroethane	6.02	63	35013	5.446	ug/l	98
25) 2-Butanone	6.99	43	33250	22.040	ug/l	98
26) 2,2-Dichloropropane	6.99	77	30403	5.256	ug/l	96
27) cis-1,2-Dichloroethene	6.99	96	21684	5.261	ug/l	95
28) Bromochloromethane	7.34	49	13317	5.382	ug/l	96
29) Tetrahydrofuran	7.35	42	22343	23.832	ug/l	96
30) Chloroform	7.51	83	38799	6.026	ug/l	98
31) Cyclohexane	7.78	56	40799	6.067	ug/l #	82
32) 1,1,1-Trichloroethane	7.71	97	28738	5.062	ug/l	98
36) 1,1-Dichloropropene	7.92	75	28506	5.305	ug/l	98
37) Ethyl Acetate	7.08	43	14907	4.631	ug/l #	95
38) Carbon Tetrachloride	7.90	117	24548	4.817	ug/l #	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
 Data File : VY000808.D
 Acq On : 27 Nov 2019 10:12
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:43 AM

Quant Time: Nov 27 12:08:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 12:00:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	36806	5.302	ug/l	97
40) Benzene	8.16	78	81129	5.146	ug/l	97
41) Methacrylonitrile	7.32	41	9091	5.127	ug/l #	40
42) 1,2-Dichloroethane	8.24	62	21601	4.893	ug/l	100
43) Isopropyl Acetate	8.28	43	29243	4.841	ug/l	99
44) Trichloroethene	8.94	130	21484	5.187	ug/l	90
45) 1,2-Dichloropropane	9.22	63	20237	5.180	ug/l	93
46) Dibromomethane	9.30	93	10562	4.955	ug/l	94
47) Bromodichloromethane	9.50	83	24106	4.795	ug/l	97
48) Methyl methacrylate	9.29	41	12360	4.642	ug/l	98
49) 1,4-Dioxane	9.30	88	2717	93.028	ug/l #	93
51) 4-Methyl-2-Pentanone	10.07	43	69875	21.893	ug/l	97
52) Toluene	10.24	92	49454	4.972	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	23356	4.336	ug/l #	87
54) cis-1,3-Dichloropropene	9.93	75	30453	4.916	ug/l	93
55) 1,1,2-Trichloroethane	10.64	97	15537	5.029	ug/l	92
56) Ethyl methacrylate	10.52	69	18591	4.221	ug/l #	88
57) 1,3-Dichloropropane	10.79	76	26065	4.824	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.78	63	48926	25.613	ug/l	96
59) 2-Hexanone	10.83	43	49240	21.070	ug/l	93
60) Dibromochloromethane	10.99	129	15639	4.465	ug/l	96
61) 1,2-Dibromoethane	11.09	107	14252	4.810	ug/l	93
64) Tetrachloroethene	10.72	164	23178	5.580	ug/l	95
65) Chlorobenzene	11.52	112	52405	5.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.60	131	16709	4.766	ug/l	99
67) Ethyl Benzene	11.59	91	97146	5.193	ug/l	99
68) m/p-Xylenes	11.70	106	72691	10.111	ug/l	99
69) o-Xylene	12.03	106	32810	4.833	ug/l	98
70) Styrene	12.04	104	55013	4.742	ug/l	99
71) Bromoform	12.20	173	8763	4.340	ug/l #	100
73) Isopropylbenzene	12.33	105	89205	5.212	ug/l	98
74) N-amyl acetate	12.14	43	22797	4.649	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	15944	4.650	ug/l	97
76) 1,2,3-Trichloropropane	12.63	75	12103m	4.741	ug/l	
77) Bromobenzene	12.61	156	19554	5.053	ug/l	97
78) n-propylbenzene	12.67	91	109617	5.300	ug/l	99
79) 2-Chlorotoluene	12.75	91	63517	5.534	ug/l	98
80) 1,3,5-Trimethylbenzene	12.81	105	75460	5.310	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	5350	4.434	ug/l	86
82) 4-Chlorotoluene	12.86	91	64331	5.430	ug/l	98
83) tert-Butylbenzene	13.08	119	61790	5.098	ug/l	96
84) 1,2,4-Trimethylbenzene	13.12	105	76148	5.389	ug/l	98
85) sec-Butylbenzene	13.25	105	90965	5.274	ug/l	99
86) p-Isopropyltoluene	13.37	119	78291	5.101	ug/l	97
87) 1,3-Dichlorobenzene	13.36	146	39694	5.272	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	38465	5.108	ug/l	90
89) n-Butylbenzene	13.69	91	78560	5.171	ug/l	99
90) Hexachloroethane	13.96	117	13374	4.696	ug/l	98
91) 1,2-Dichlorobenzene	13.74	146	34715	5.078	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	2764	4.599	ug/l	86

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY112719\
Data File : VY000808.D
Acq On : 27 Nov 2019 10:12
Operator : SY/MD
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDICC005

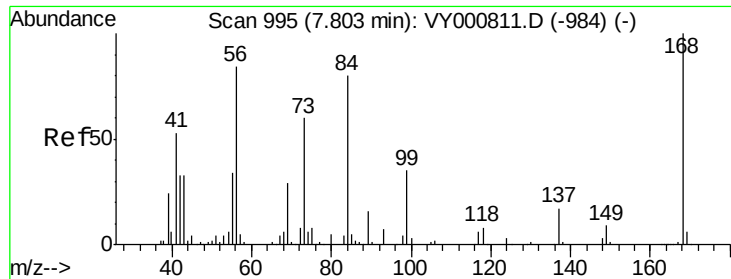
Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM

Quant Time: Nov 27 12:08:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 27 12:00:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	23322	4.988	ug/l	100
94) Hexachlorobutadiene	15.11	225	11426	4.828	ug/l	90
95) Naphthalene	15.23	128	48657	4.641	ug/l	97
96) 1,2,3-Trichlorobenzene	15.42	180	21201	5.093	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 326540

Ion Ratio Lower Upper

168 100

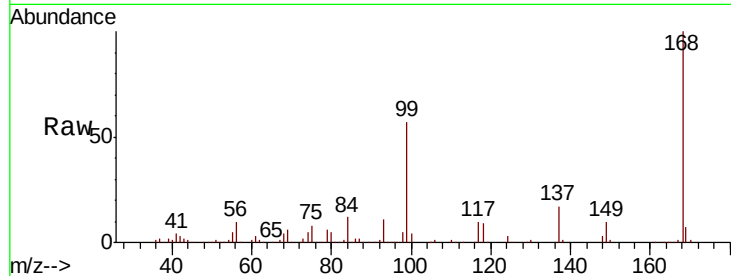
99 56.9 45.0 67.6

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM



Abundance Ion 167.90 (167.60 to 168.60): VY000811.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000811.D (-984) (-)

7.80

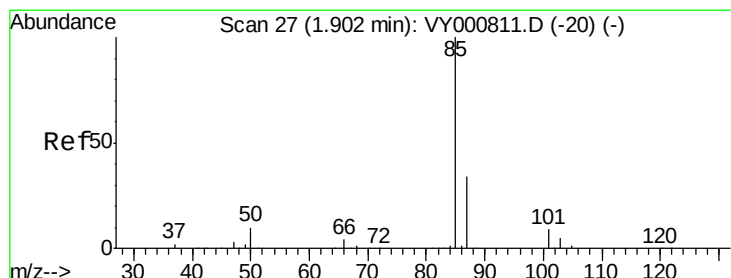
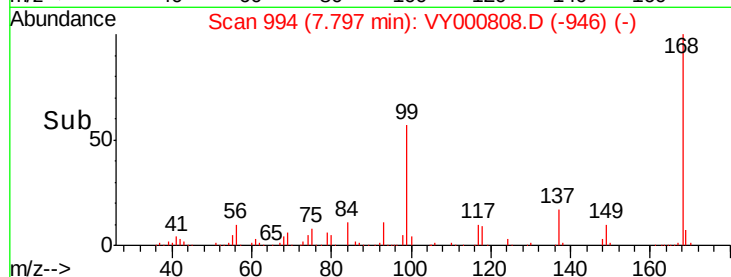
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.516 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000808.D

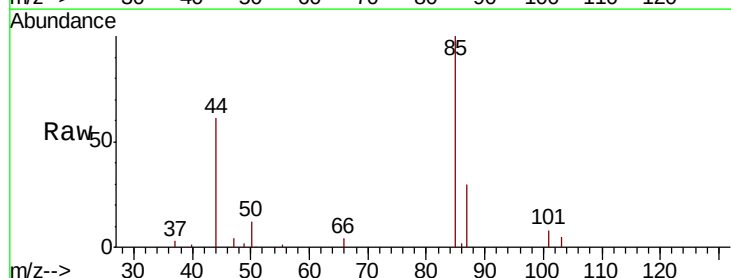
Acq: 27 Nov 2019 10:12

Tgt Ion: 85 Resp: 17893

Ion Ratio Lower Upper

85 100

87 29.9 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VY000811.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000811.D (-20) (-)

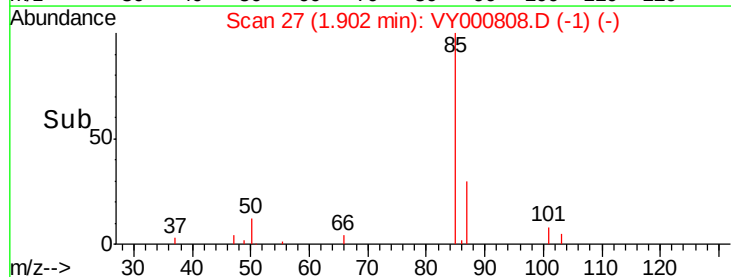
1.90

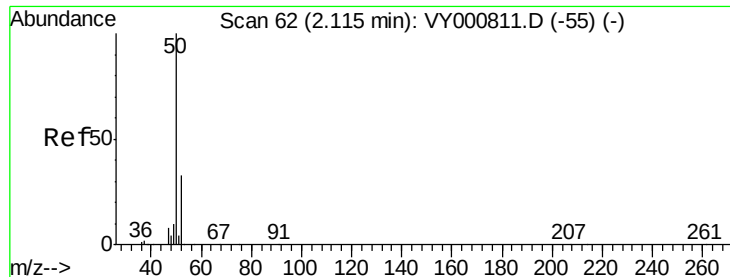
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.167 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 22812

Ion Ratio Lower Upper

50 100

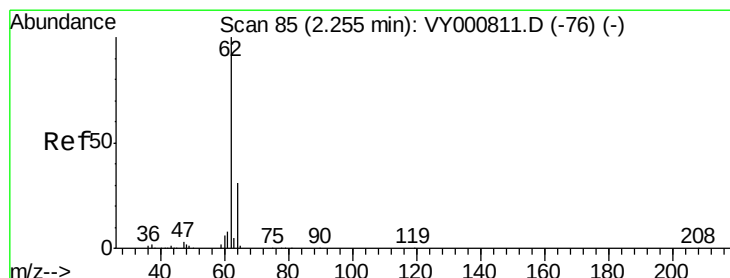
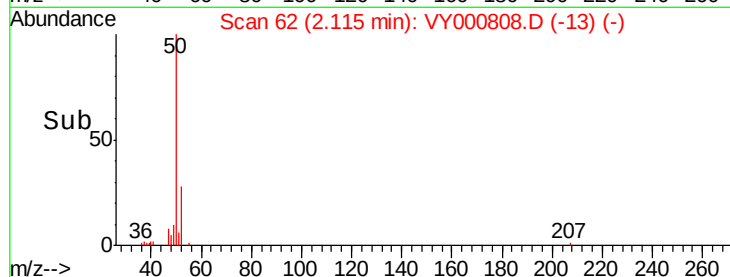
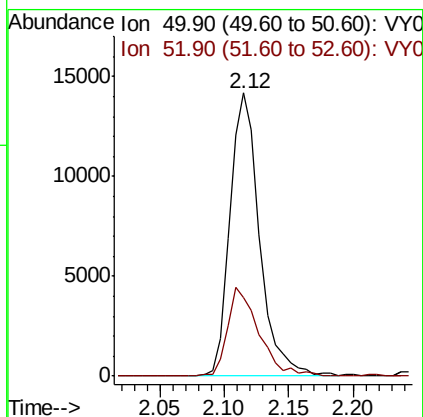
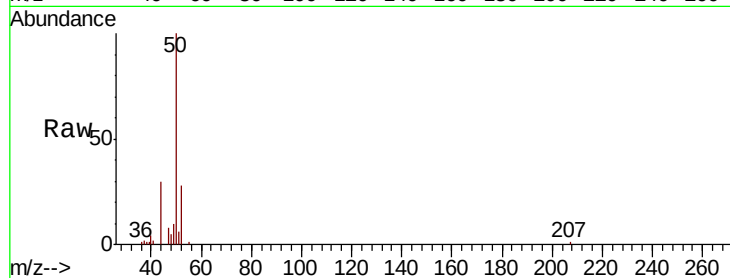
52 27.7 26.0 39.0

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM



#4

Vinyl Chloride

Concen: 5.216 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.01 min

Lab File: VY000808.D

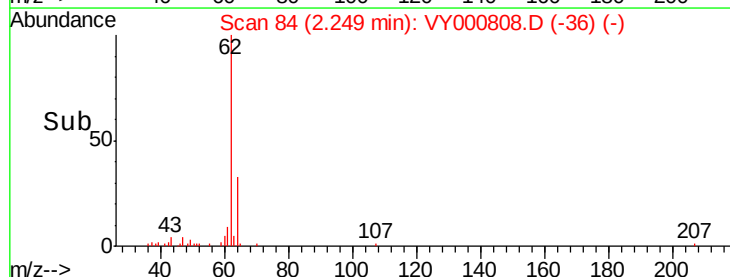
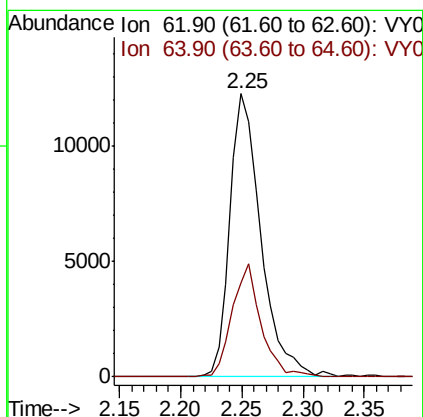
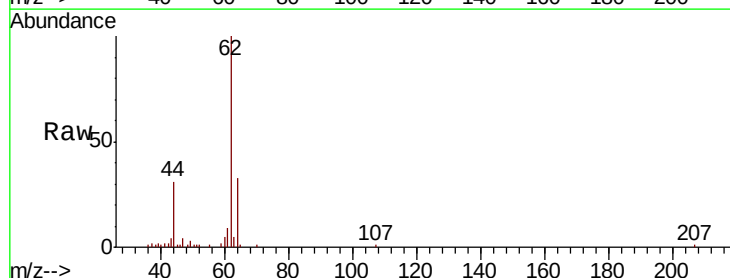
Acq: 27 Nov 2019 10:12

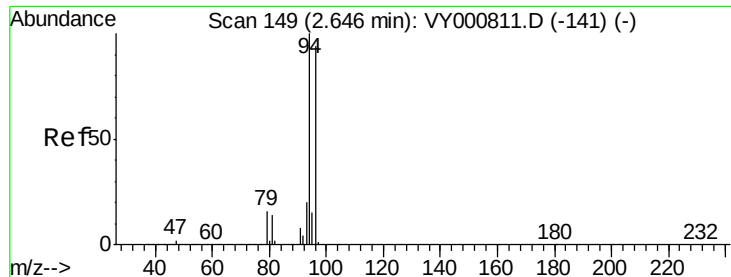
Tgt Ion: 62 Resp: 21592

Ion Ratio Lower Upper

62 100

64 33.4 25.1 37.7





#5

Bromomethane

Concen: 5.952 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14930

Ion Ratio Lower Upper

94 100

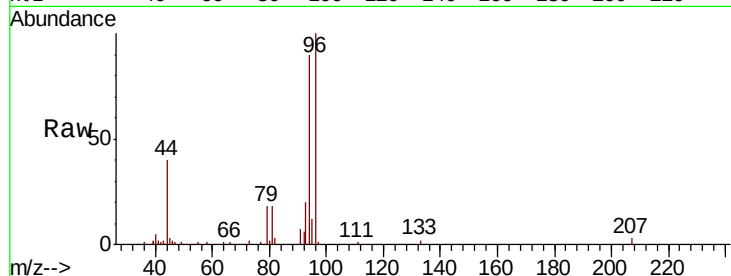
96 110.6 75.2 112.8

Manual Integrations

APPROVED

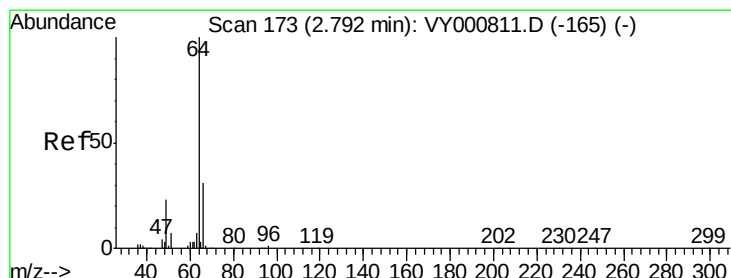
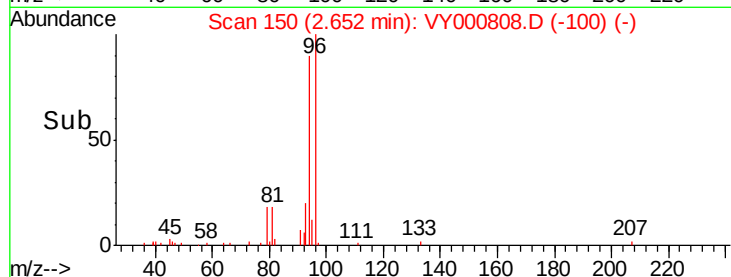
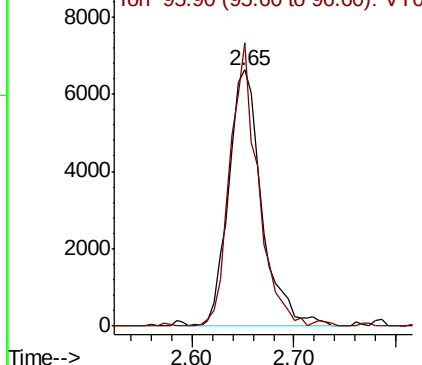
MMDadoda

12/2/2019 11:37:43 AM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 5.382 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000808.D

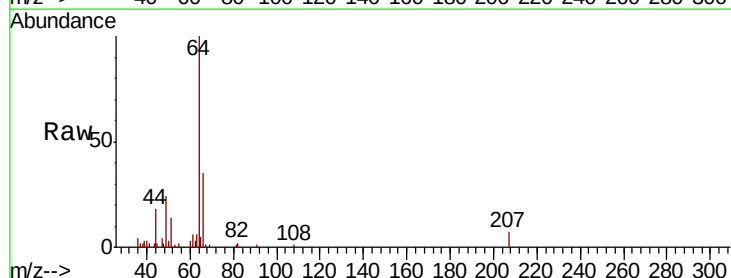
Acq: 27 Nov 2019 10:12

Tgt Ion: 64 Resp: 14022

Ion Ratio Lower Upper

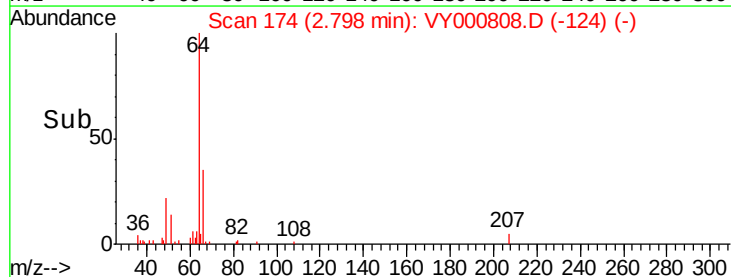
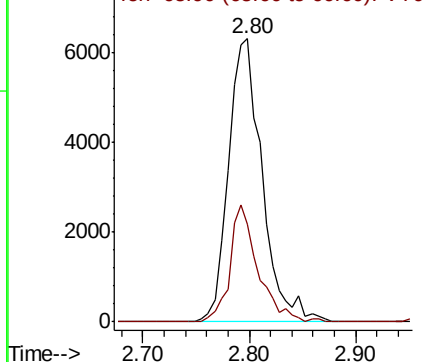
64 100

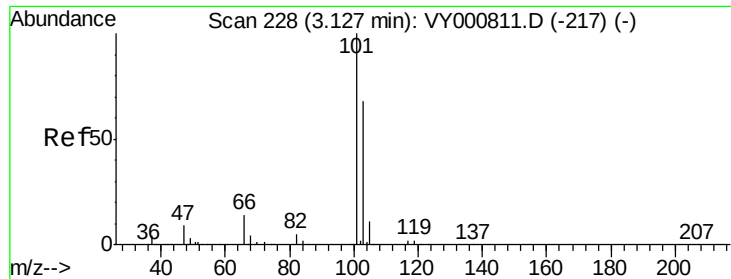
66 34.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

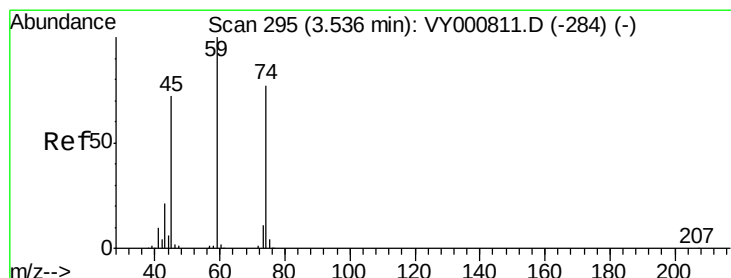
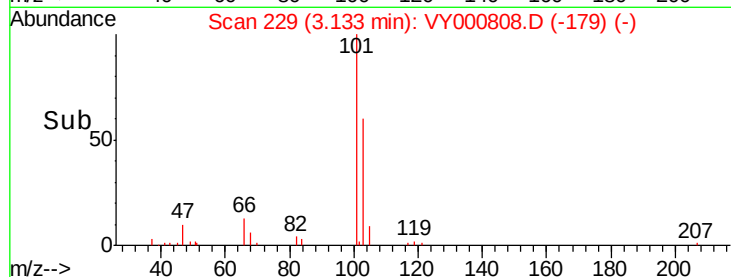
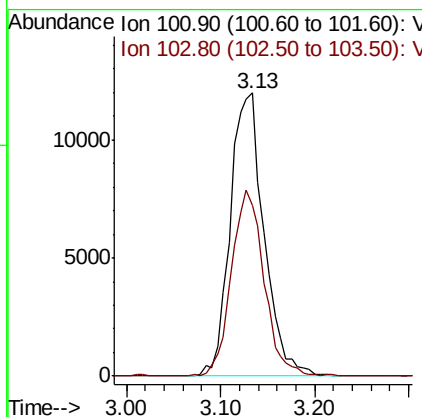
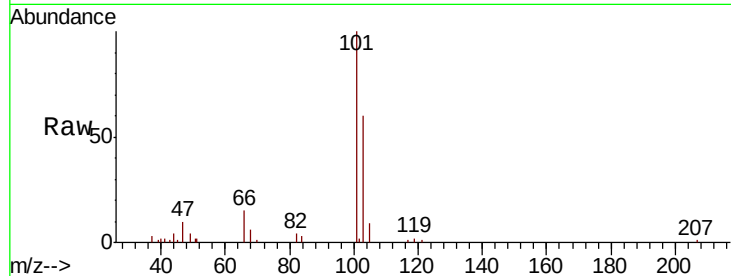
Trichlorofluoromethane
 Concen: 5.305 ug/l
 RT: 3.13 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	54.2	81.2

Manual Integrations
 APPROVED

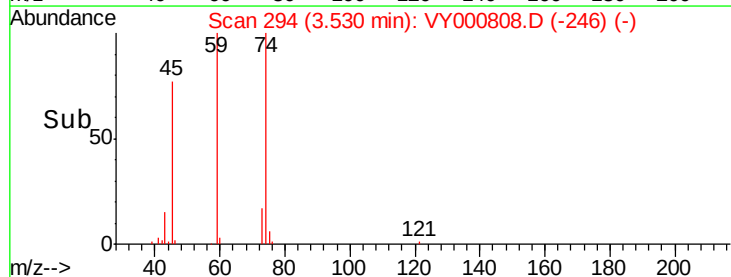
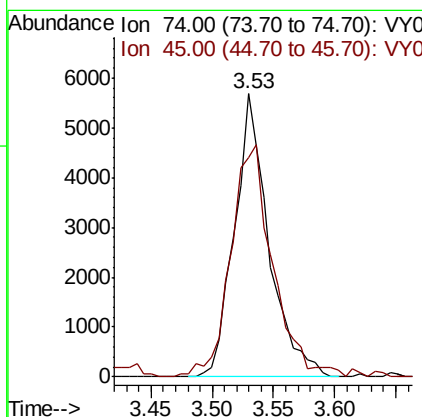
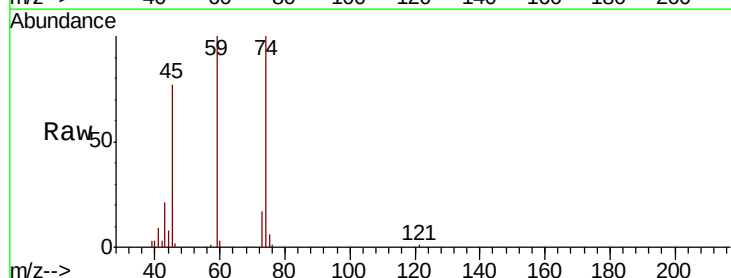
MMDadoda
 12/2/2019 11:37:43 AM

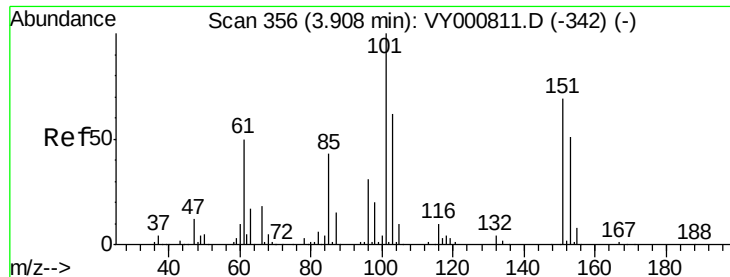


#8

Diethyl Ether
 Concen: 5.476 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.248 ug/l

RT: 3.91 min Scan# 356

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

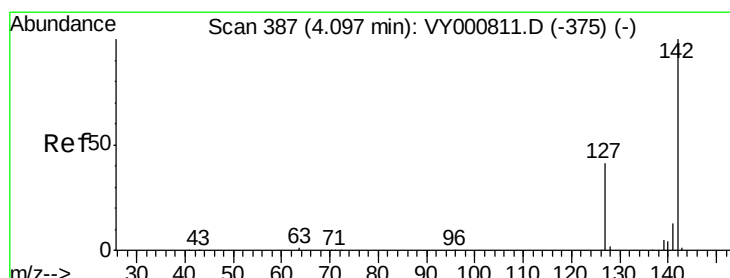
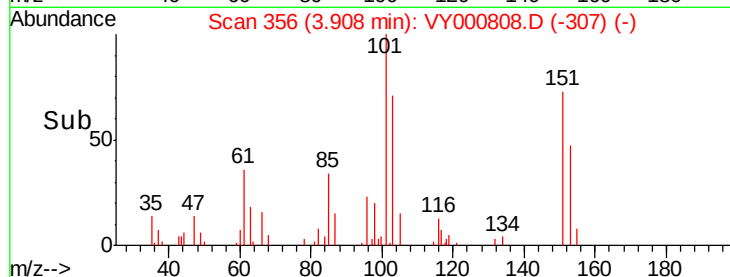
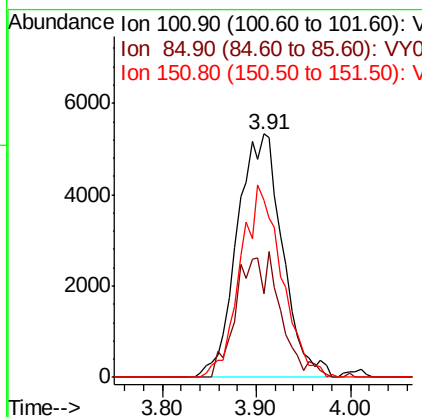
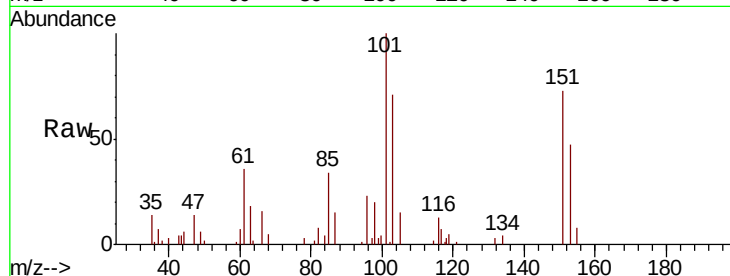
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	17969
Ion Ratio	Lower	Upper	
101	100		
85	48.9	36.0	54.0
151	72.0	58.2	87.2

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM



#10

Methyl Iodide

Concen: 5.296 ug/l

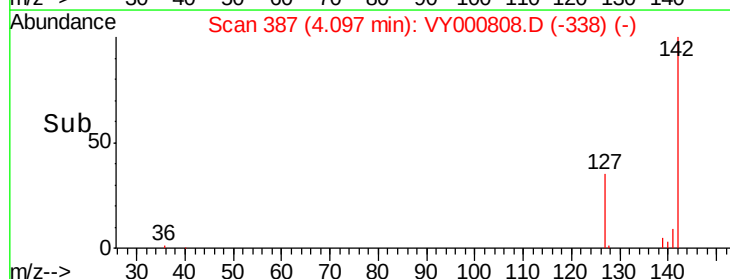
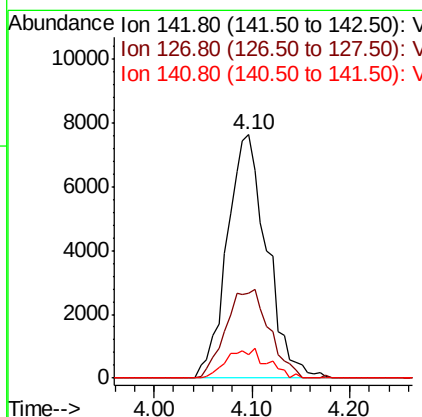
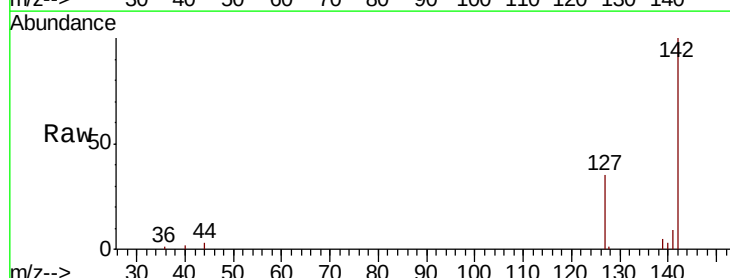
RT: 4.10 min Scan# 387

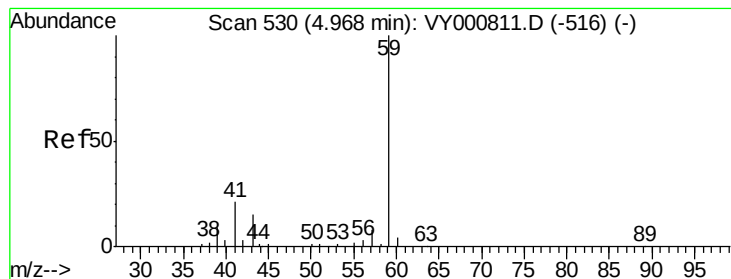
Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Tgt Ion:	142	Resp:	21473
Ion Ratio	Lower	Upper	
142	100		
127	39.8	33.8	50.8
141	12.2	10.9	16.3





#11

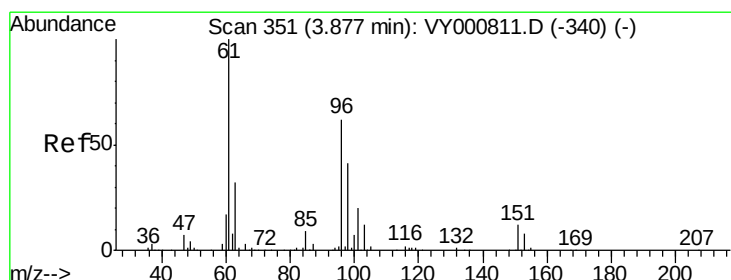
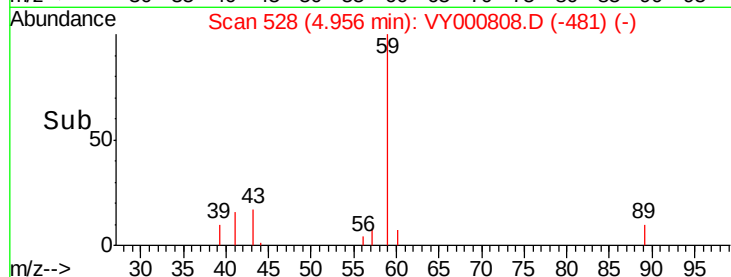
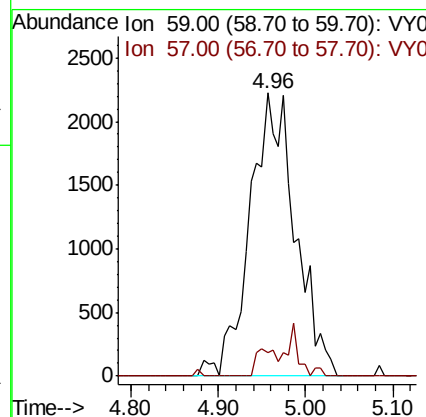
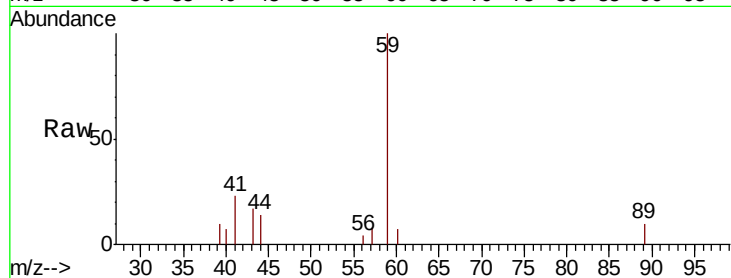
Tert butyl alcohol
Concen: 23.483 ug/l
RT: 4.96 min Scan# 528
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.1	7.8	11.6#

Manual Integrations
APPROVED

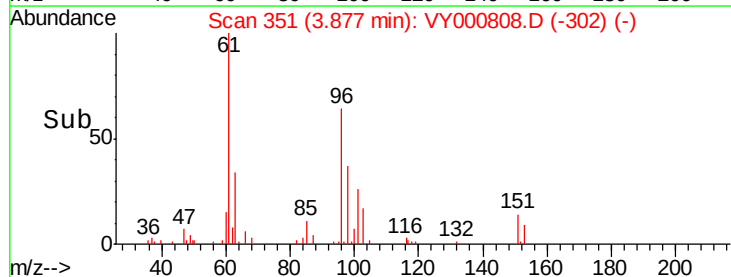
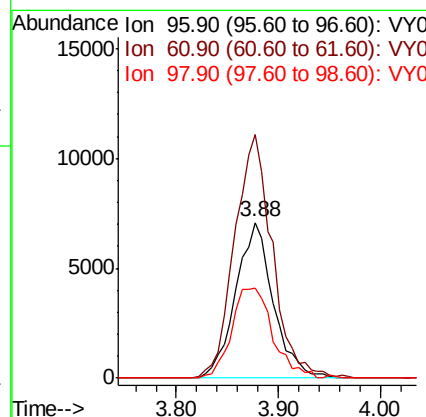
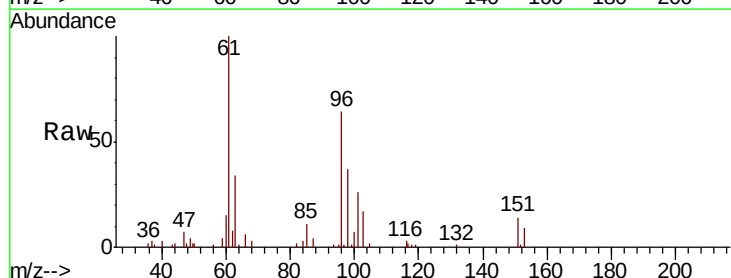
MMDadoda
12/2/2019 11:37:43 AM

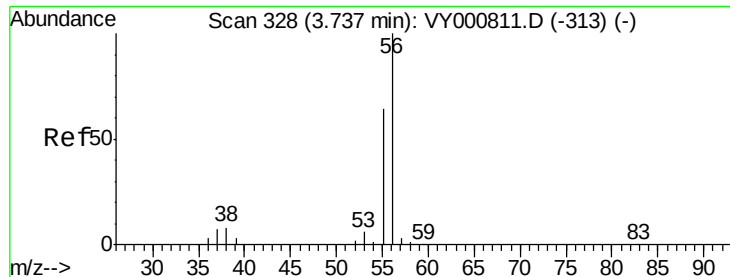


#12

1,1-Dichloroethene
Concen: 5.457 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	156.5	129.4	194.2
98	57.5	53.4	80.0





#13

Acrolein

Concen: 26.493 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7834

Ion Ratio Lower Upper

56 100

55 79.7

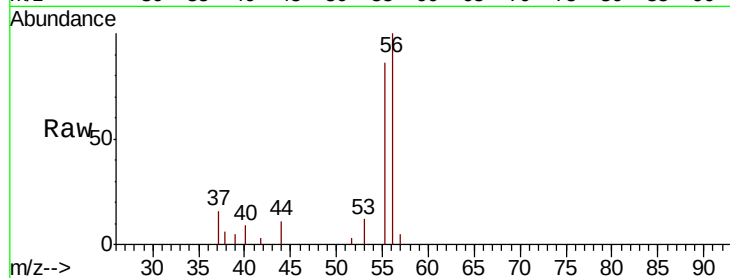
55.7 83.5

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

3000

2500

2000

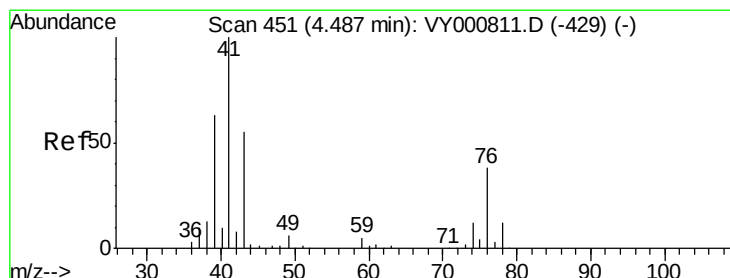
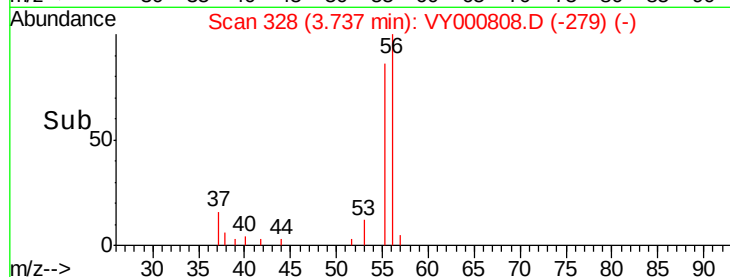
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 5.740 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Tgt Ion: 41 Resp: 31511

Ion Ratio Lower Upper

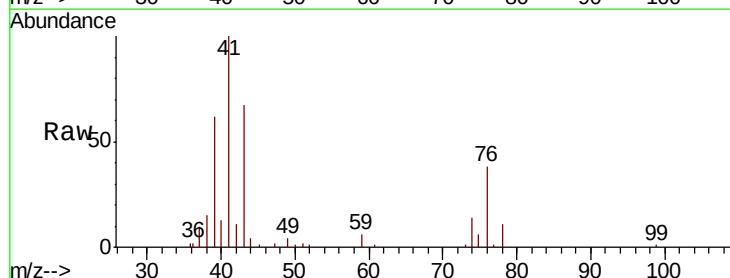
41 100

39 60.5

76 35.9

49.2 73.8

29.2 43.8



Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

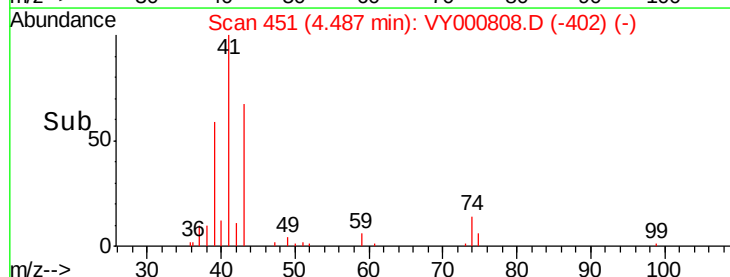
Ion 75.90 (75.60 to 76.60): VY0

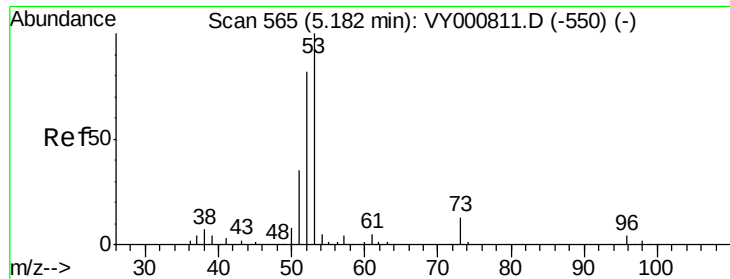
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 25.375 ug/l

RT: 5.17 min Scan# 563

Delta R.T. -0.01 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

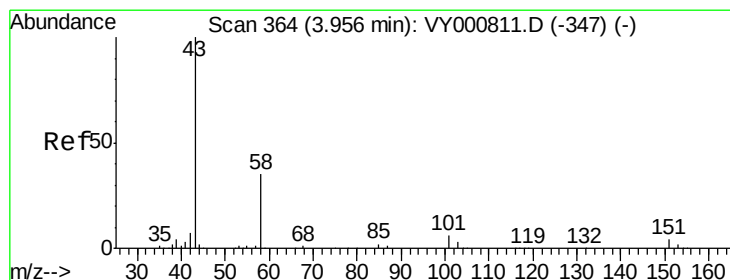
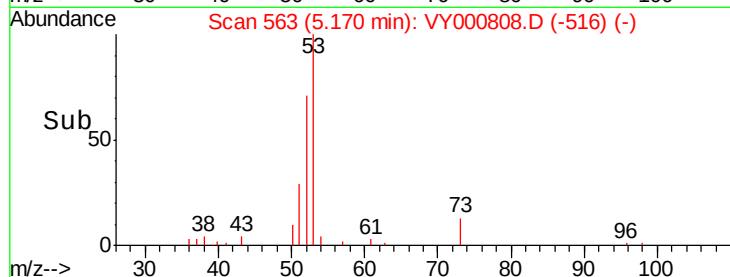
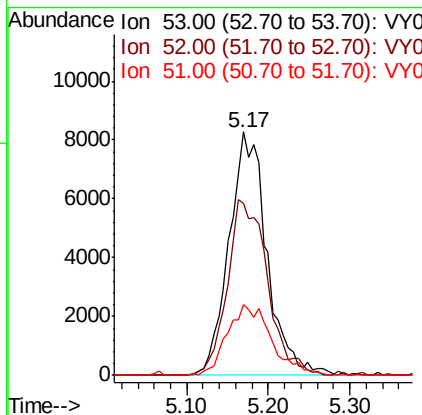
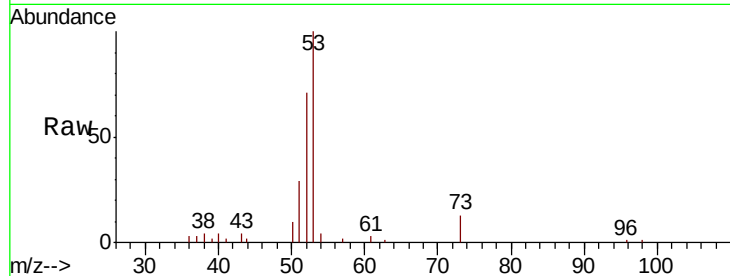
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	26541
Ion	Ratio	Lower	Upper
53	100		
52	76.6	65.1	97.7
51	33.9	29.0	43.4

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM



#16

Acetone

Concen: 22.843 ug/l

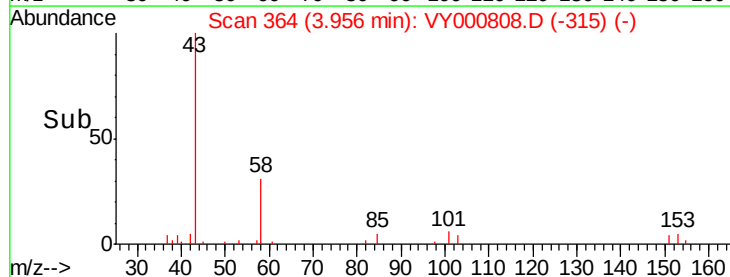
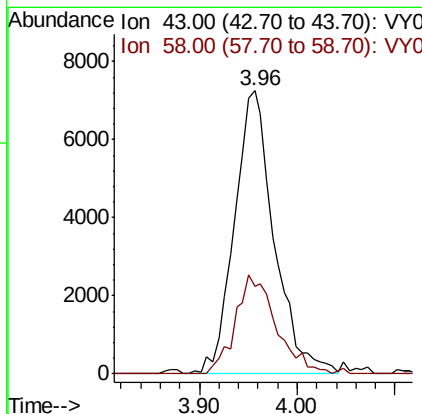
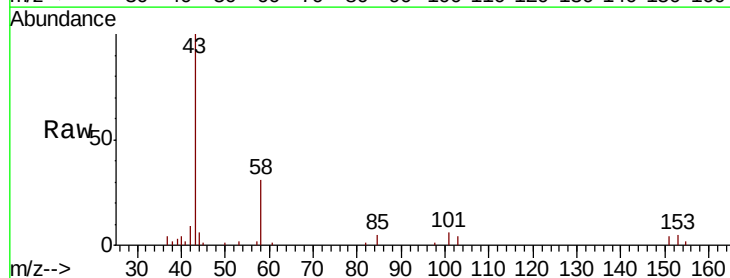
RT: 3.96 min Scan# 364

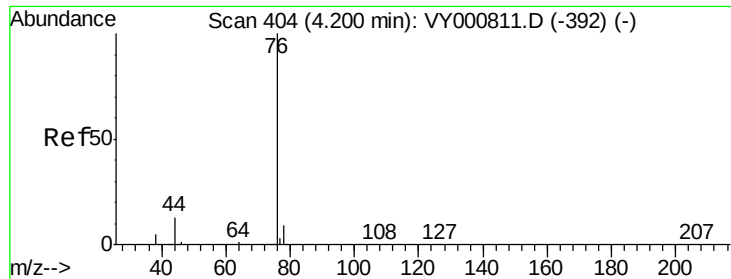
Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Tgt Ion:	43	Resp:	20497
Ion	Ratio	Lower	Upper
43	100		
58	30.9	28.0	42.0





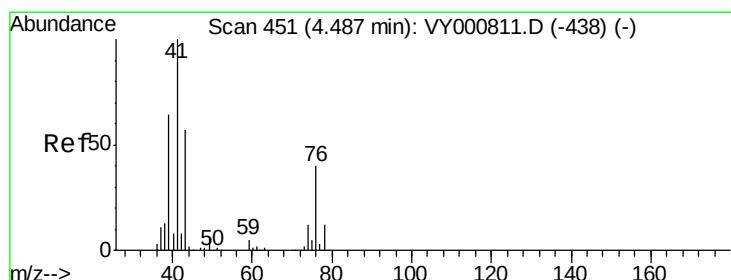
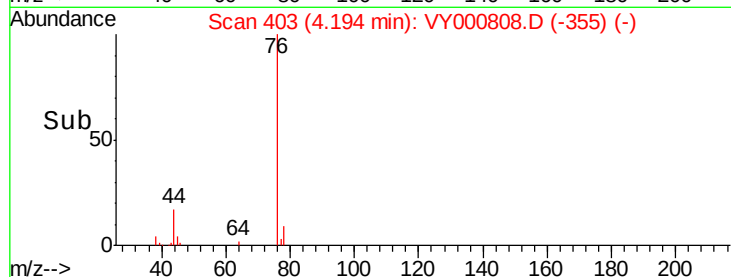
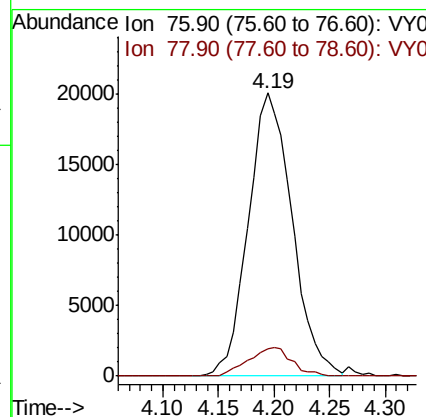
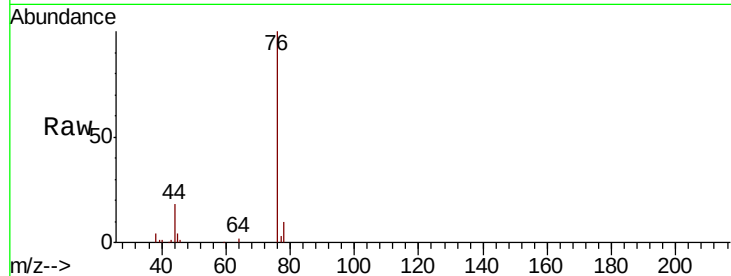
#17
Carbon Disulfide
Concen: 5.207 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.3	10.9

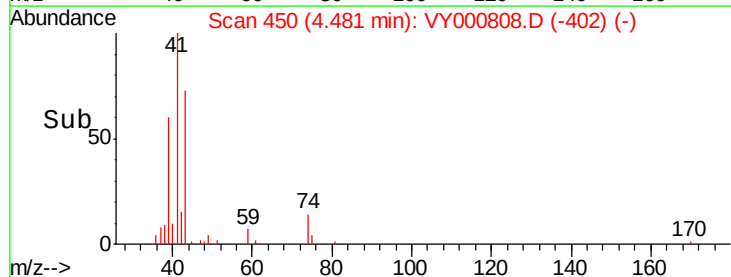
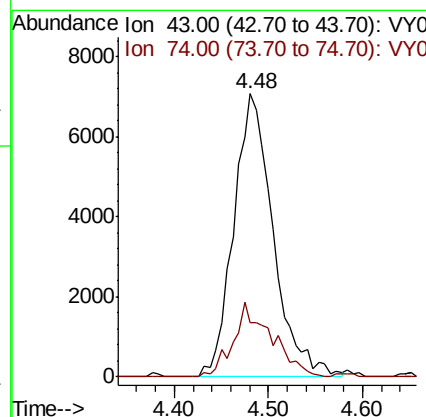
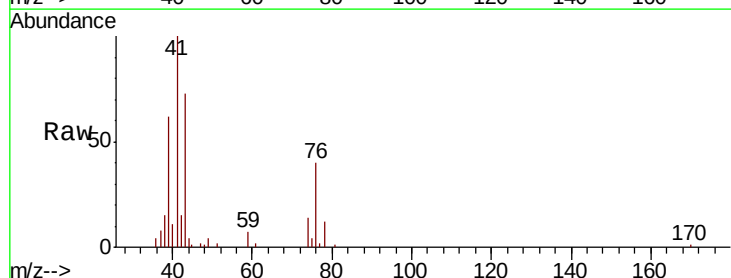
Manual Integrations
APPROVED

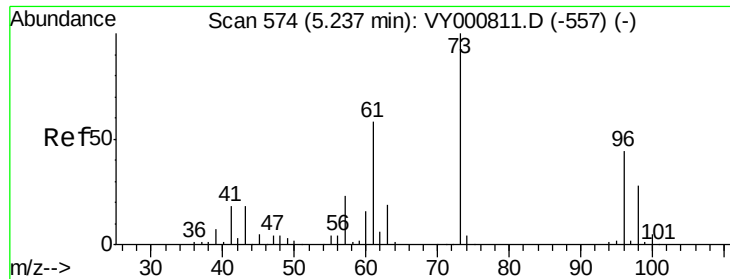
MMDadoda
12/2/2019 11:37:43 AM



#18
Methyl Acetate
Concen: 6.858 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	18.5	27.7





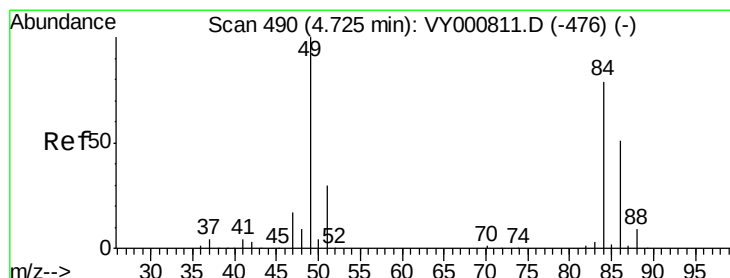
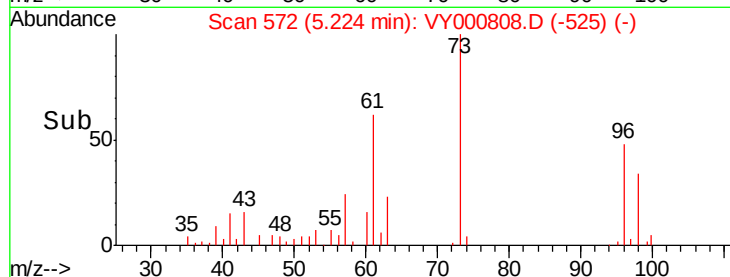
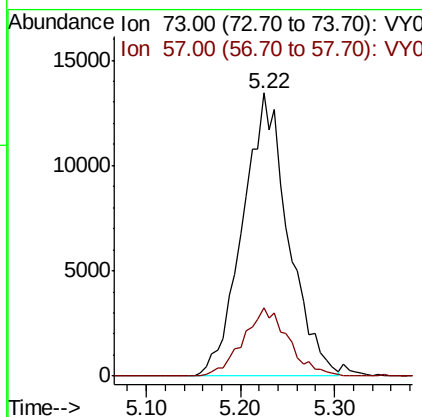
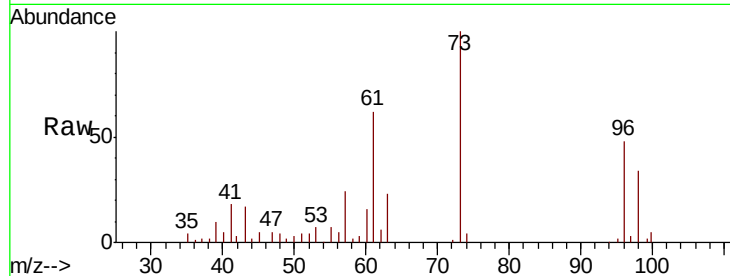
#19
Methyl tert-butyl Ether
Concen: 4.918 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 45682
Ion Ratio Lower Upper
73 100
57 24.0 18.2 27.4

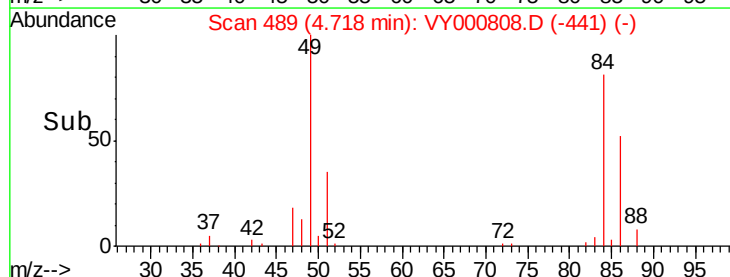
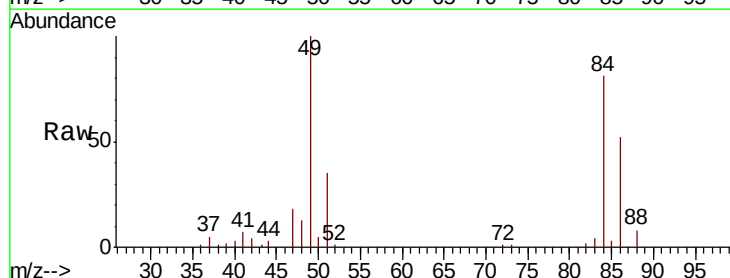
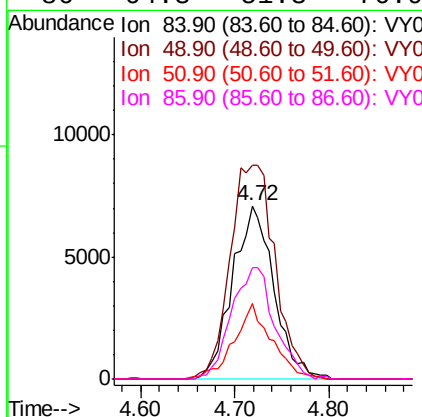
Manual Integrations
APPROVED

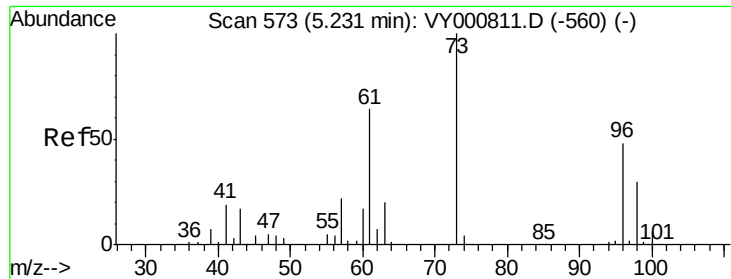
MMDadoda
12/2/2019 11:37:43 AM



#20
Methylene Chloride
Concen: 5.318 ug/l
RT: 4.72 min Scan# 489
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion: 84 Resp: 21703
Ion Ratio Lower Upper
84 100
49 123.1 101.3 151.9
51 43.6 30.6 45.8
86 64.3 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 5.764 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 96 Resp: 21702

Ion Ratio Lower Upper

96 100

61 117.4 105.9 158.9

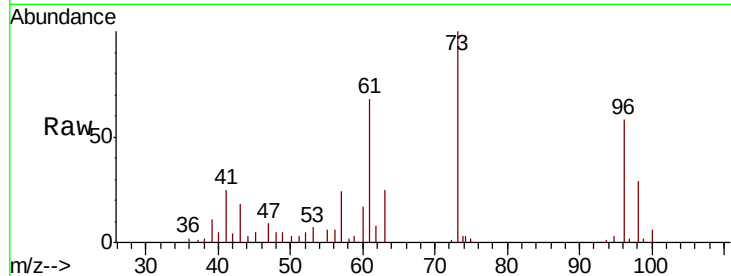
98 49.2 49.4 74.2#

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM

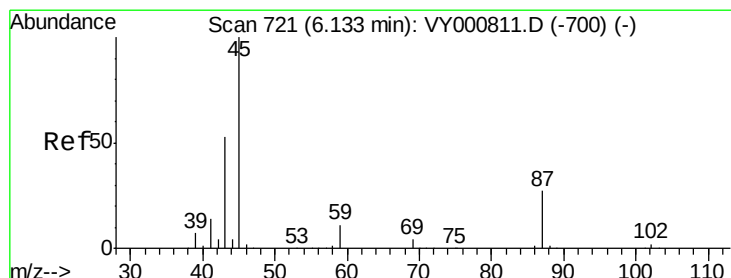
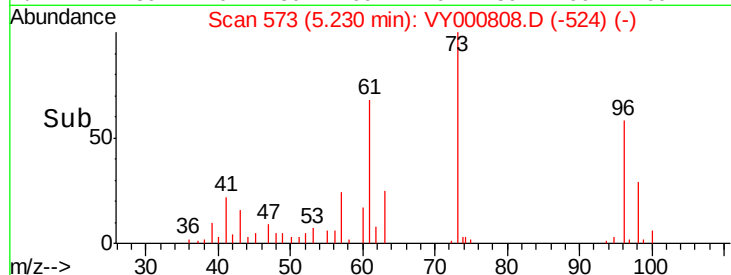
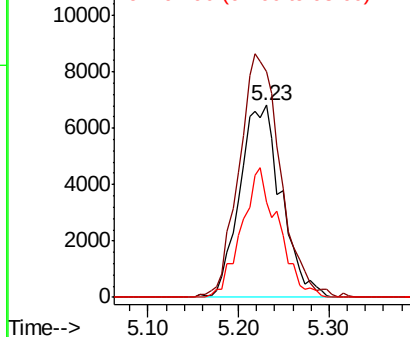


Abundance

Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 5.431 ug/l

RT: 6.13 min Scan# 720

Delta R.T. -0.01 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Tgt Ion: 45 Resp: 64256

Ion Ratio Lower Upper

45 100

43 52.9 42.7 64.1

87 25.5 22.0 33.0

59 11.4 8.9 13.3

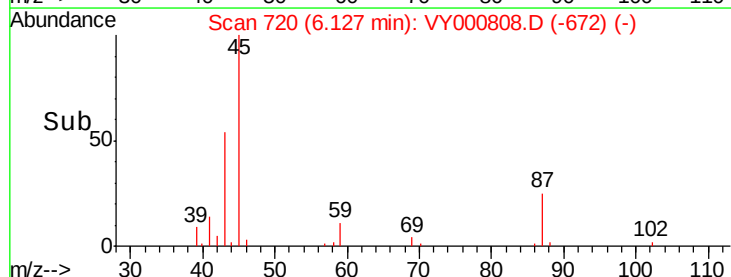
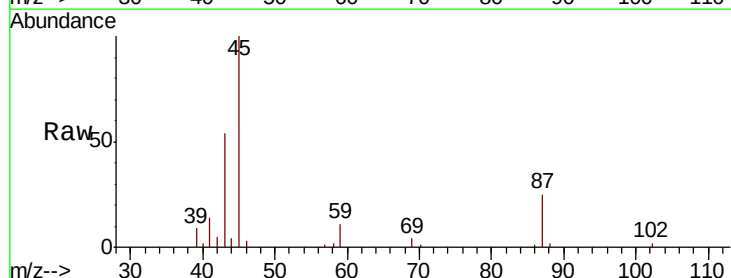
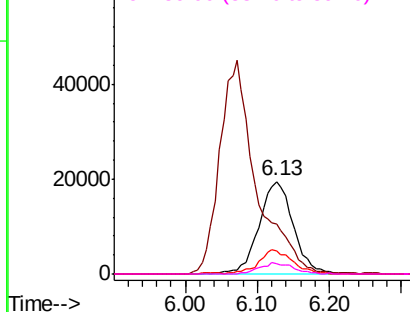
Abundance

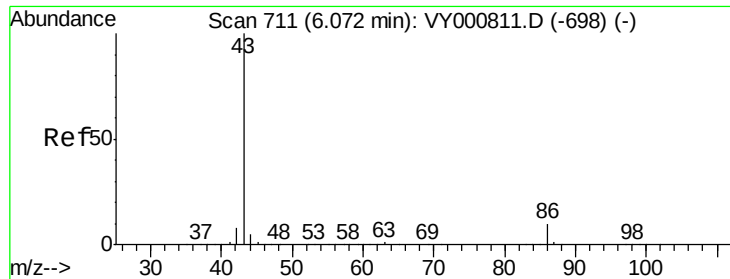
Ion 45.00 (44.70 to 45.70): VY0

Ion 43.00 (42.70 to 43.70): VY0

Ion 87.00 (86.70 to 87.70): VY0

Ion 59.00 (58.70 to 59.70): VY0





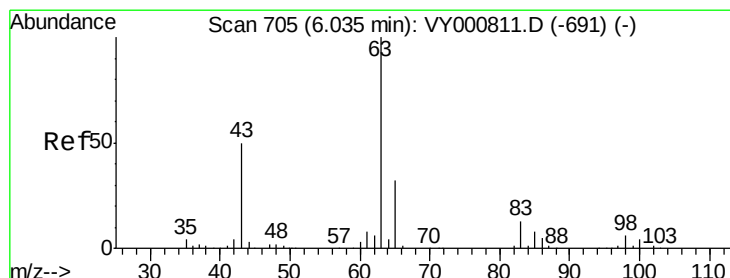
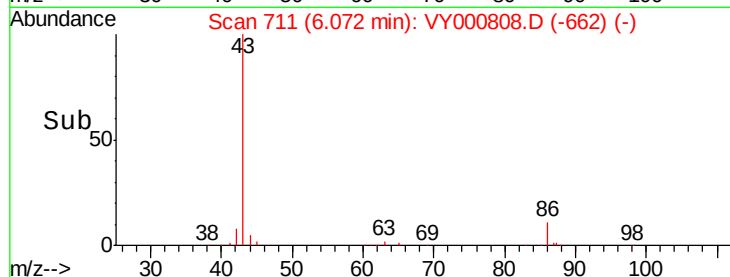
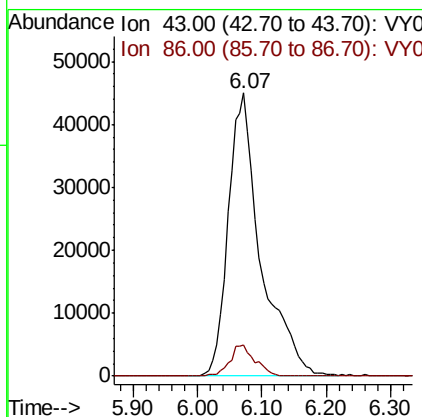
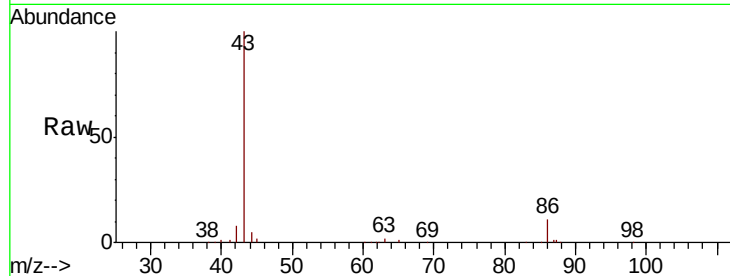
#23
 Vinyl Acetate
 Concen: 21.274 ug/l
 RT: 6.07 min Scan# 711
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	158927
Ion Ratio	100	Lower	Upper
43	100		
86	11.1	8.3	12.5

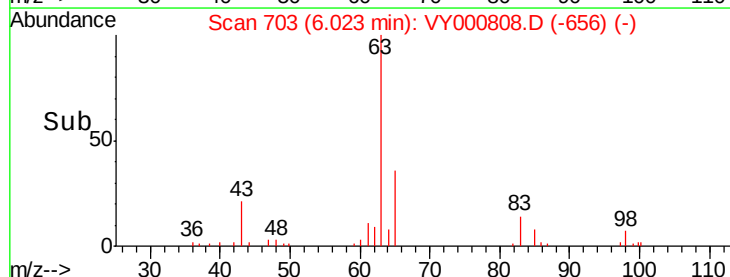
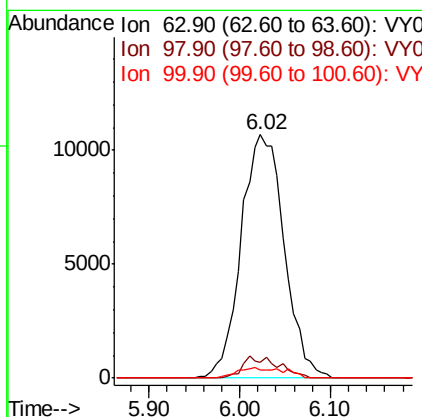
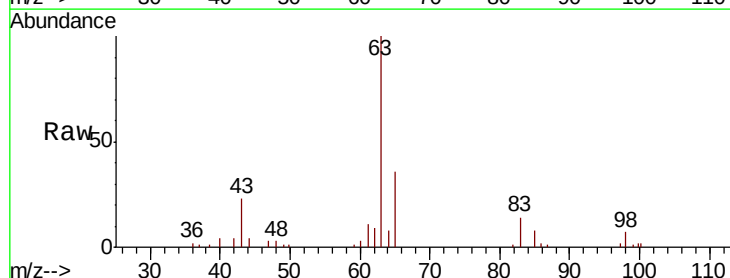
Manual Integrations
 APPROVED

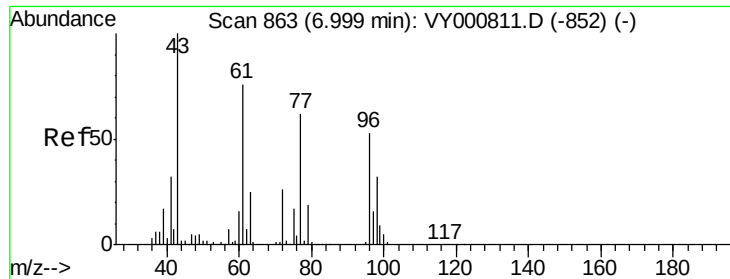
MMDadoda
 12/2/2019 11:37:43 AM



#24
 1,1-Dichloroethane
 Concen: 5.446 ug/l
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	63	Resp	35013
Ion Ratio	100	Lower	Upper
63	100		
98	6.7	3.3	9.8
100	3.4	2.2	6.6





#25

2-Butanone

Concen: 22.040 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 33250

Ion Ratio Lower Upper

43 100

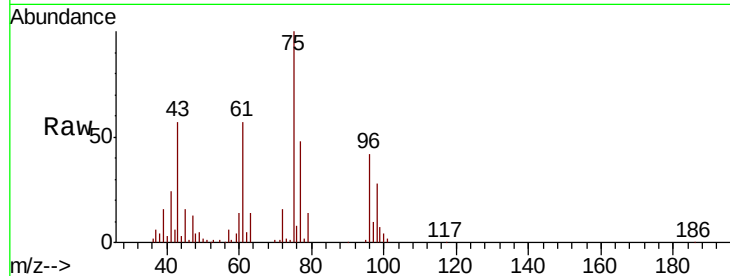
72 27.2 21.0 31.4

Manual Integrations

APPROVED

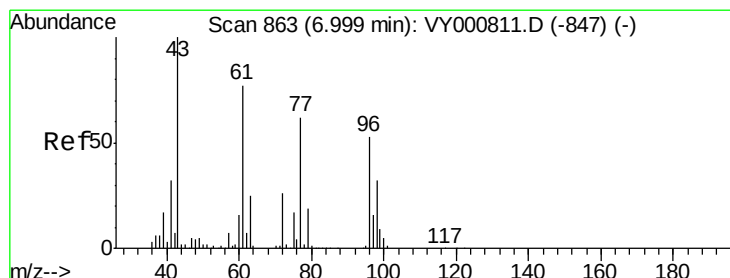
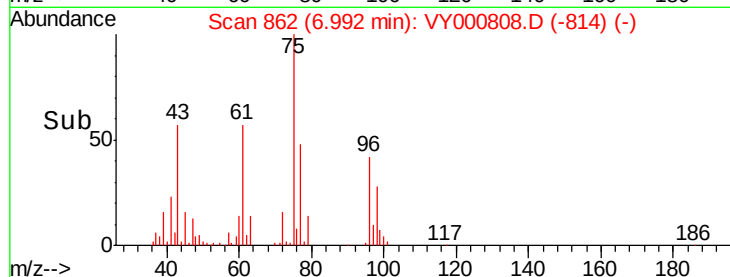
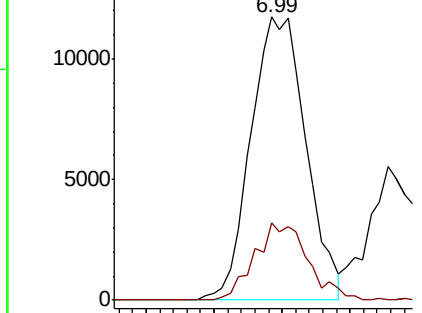
MMDadoda

12/2/2019 11:37:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 5.256 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY000808.D

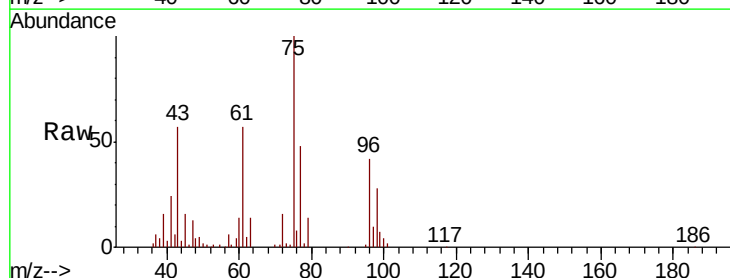
Acq: 27 Nov 2019 10:12

Tgt Ion: 77 Resp: 30403

Ion Ratio Lower Upper

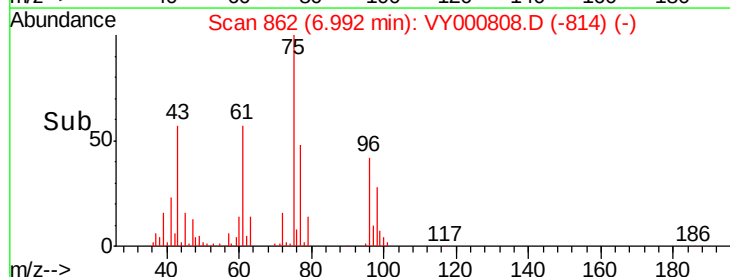
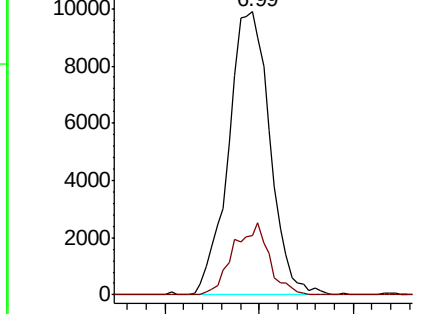
77 100

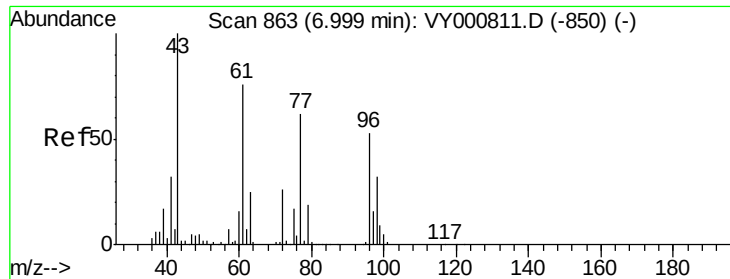
97 21.9 11.9 35.9



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

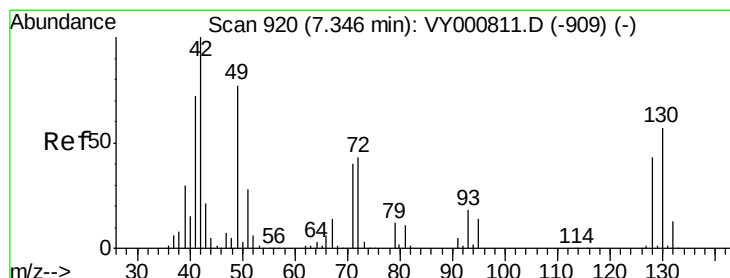
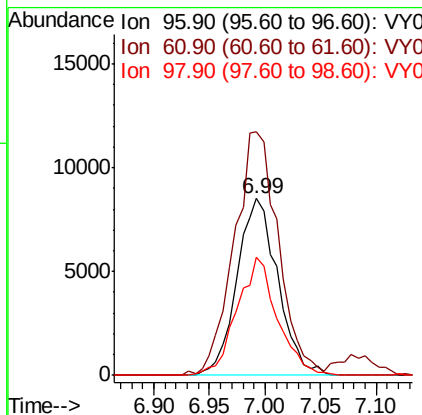
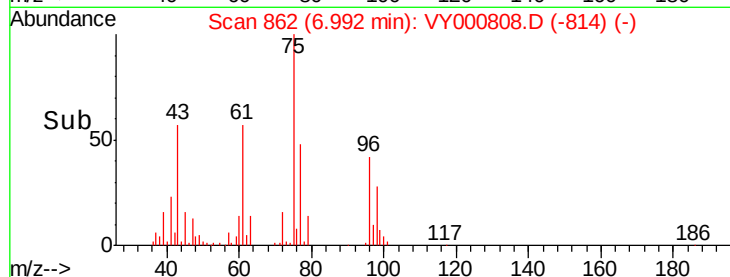
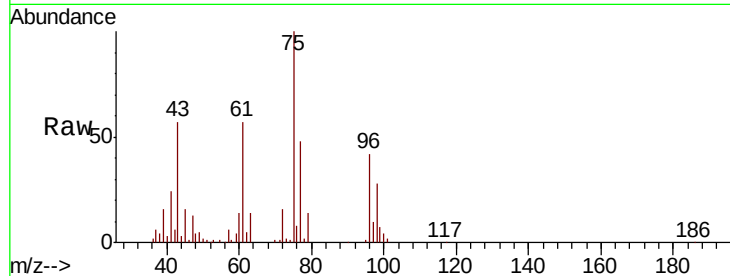
cis-1,2-Dichloroethene
Concen: 5.261 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	285.0
98	65.9	0.0	128.0

Manual Integrations
APPROVED

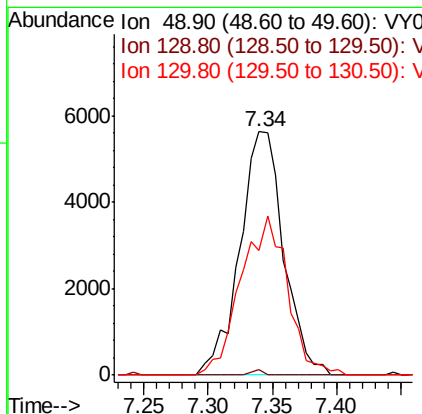
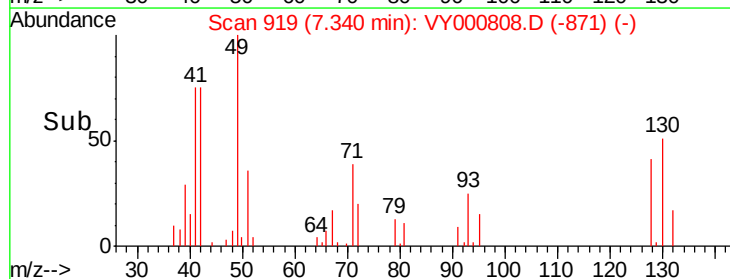
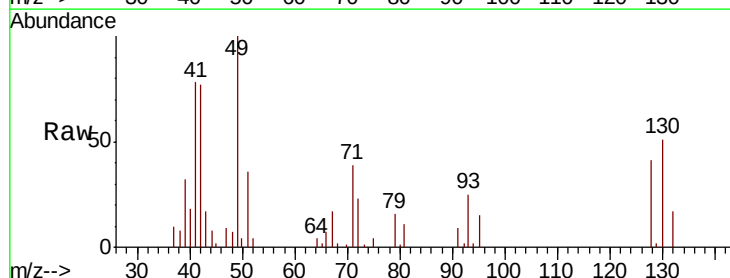
MMDadoda
12/2/2019 11:37:43 AM

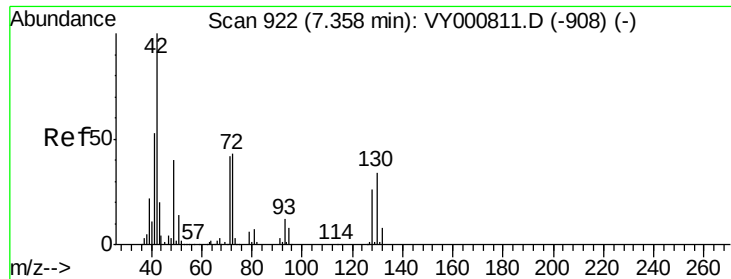


#28

Bromochloromethane
Concen: 5.382 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	3.8
130	69.6	58.7	88.1





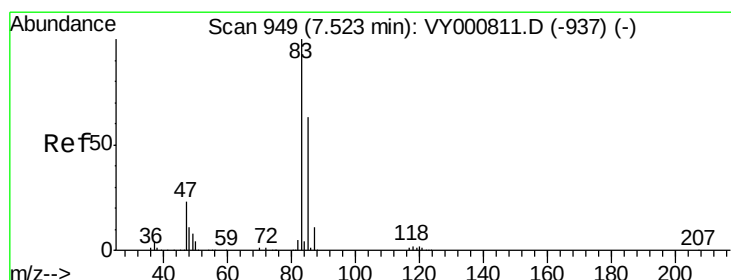
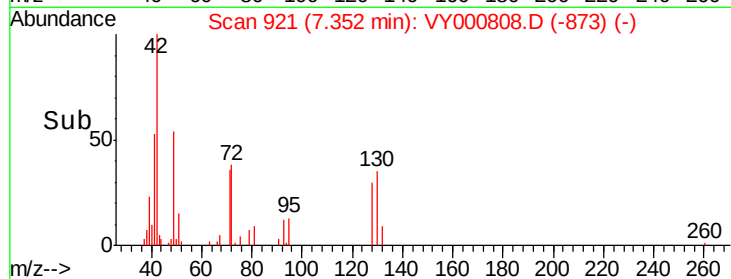
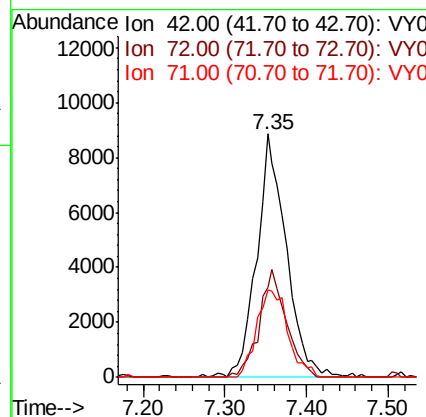
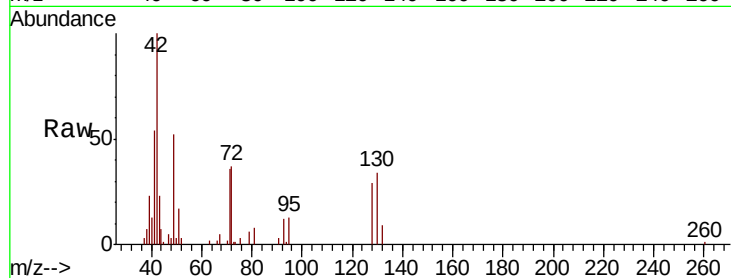
#29
Tetrahydrofuran
Concen: 23.832 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	35.1	52.7
71	38.2	32.8	49.2

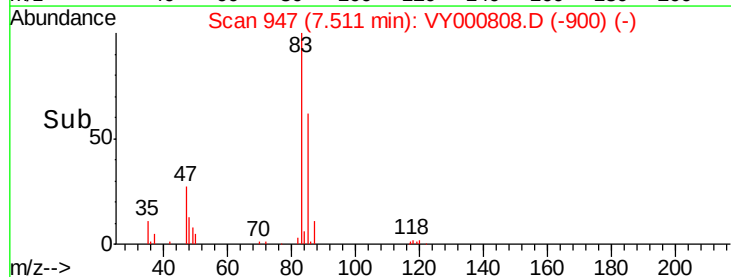
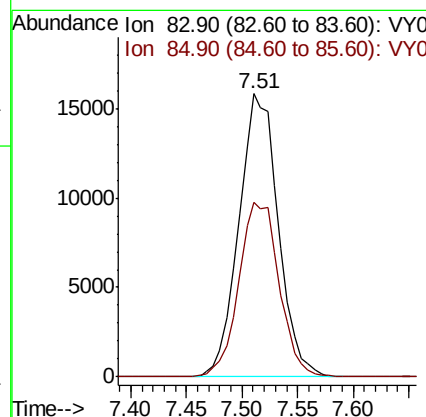
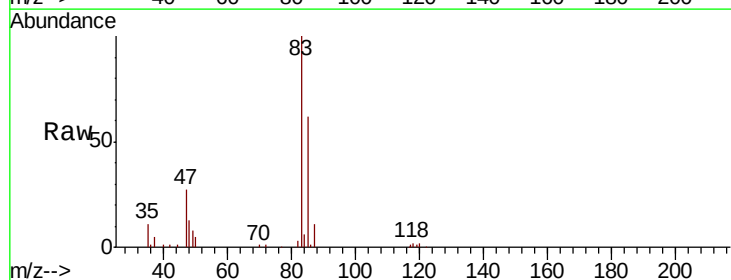
Manual Integrations
APPROVED

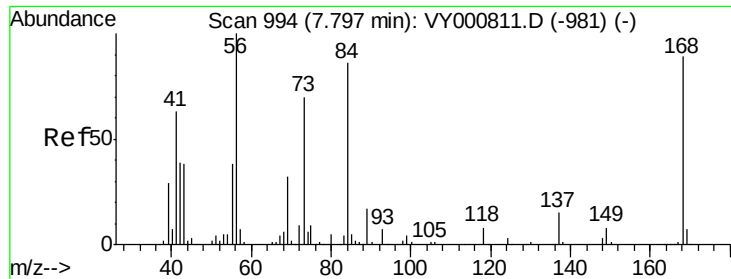
MMDadoda
12/2/2019 11:37:43 AM



#30
Chloroform
Concen: 6.026 ug/l
RT: 7.51 min Scan# 947
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	50.4	75.6





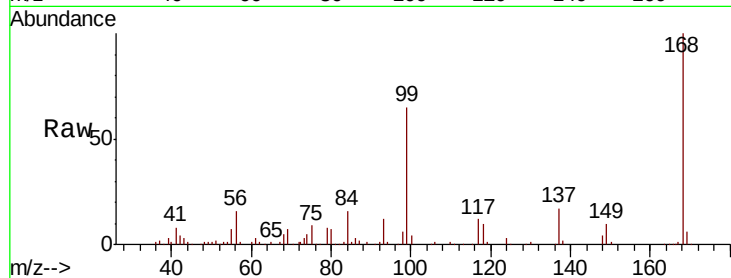
#31
Cyclohexane
Concen: 6.067 ug/l
RT: 7.78 min Scan# 992
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	46.5	25.9	38.9#
84	100.1	68.6	102.8

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM

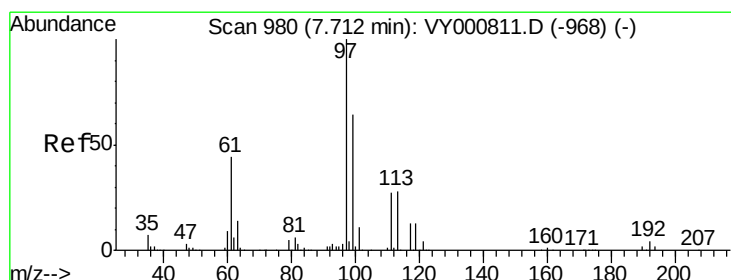
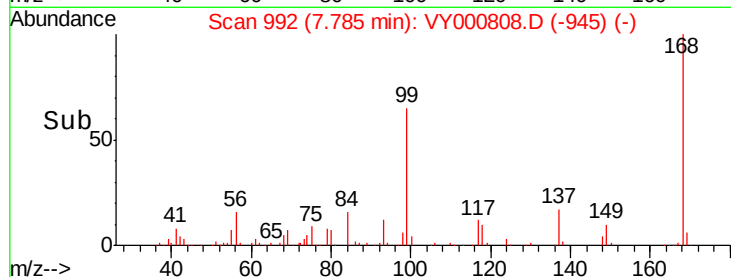
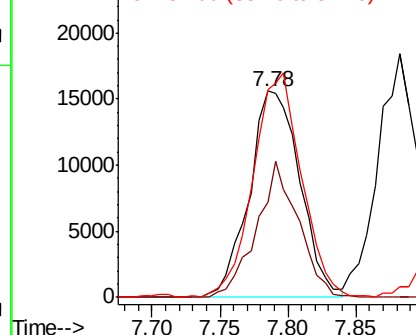


Abundance

Ion 56.00 (55.70 to 56.70): VY0

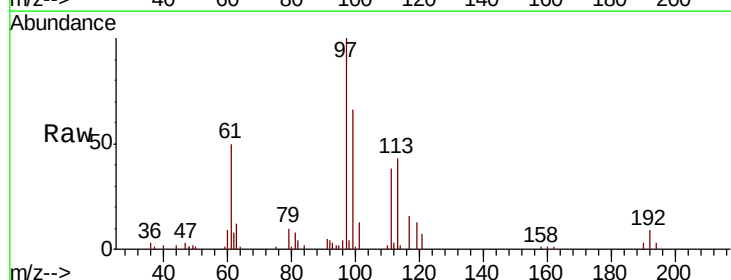
Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32
1,1,1-Trichloroethane
Concen: 5.062 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.7	77.5
61	46.2	35.0	52.6

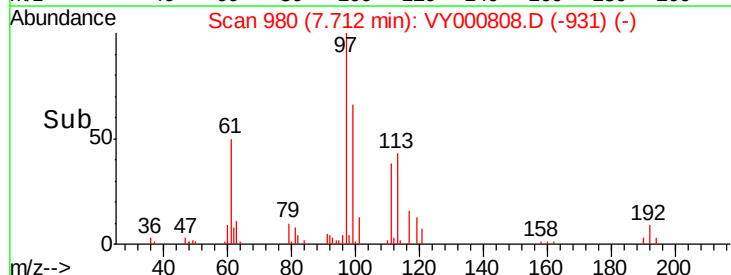
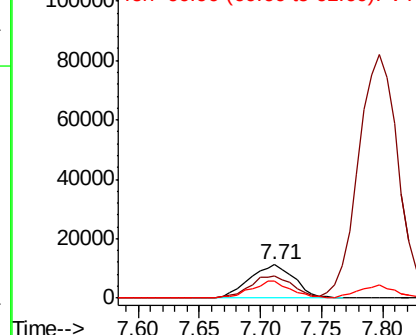


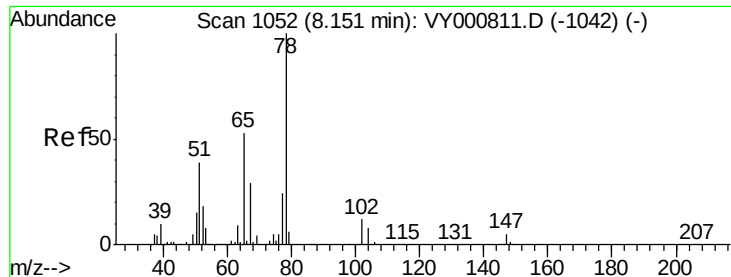
Abundance

Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





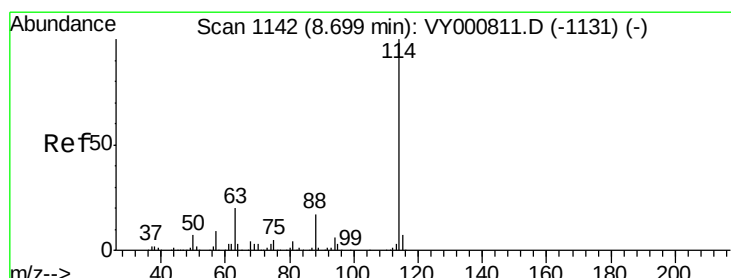
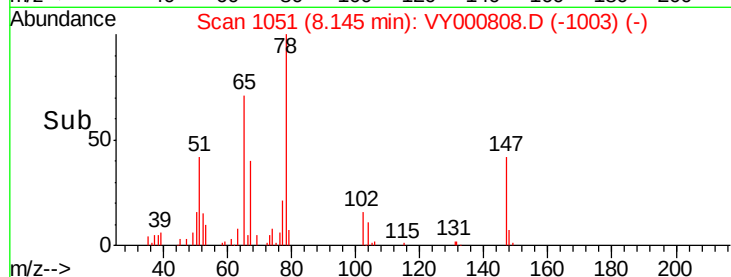
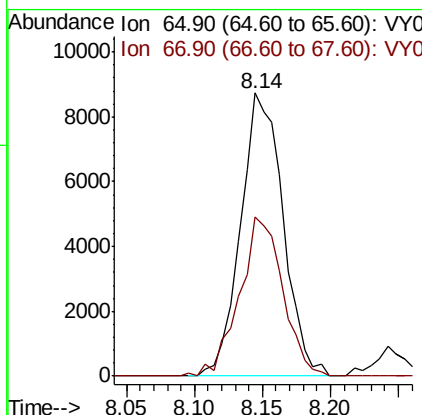
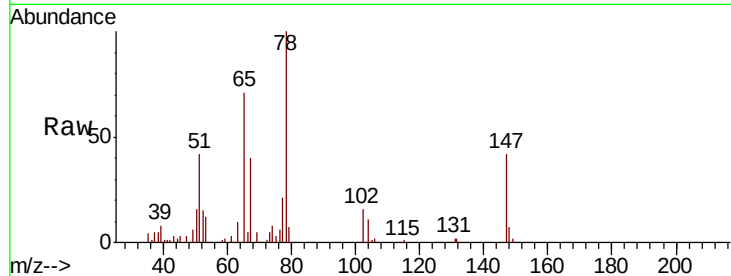
#33
 1,2-Dichloroethane-d4
 Concen: 5.701 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 65 Resp: 19037
 Ion Ratio Lower Upper
 65 100
 67 57.4 0.0 112.0

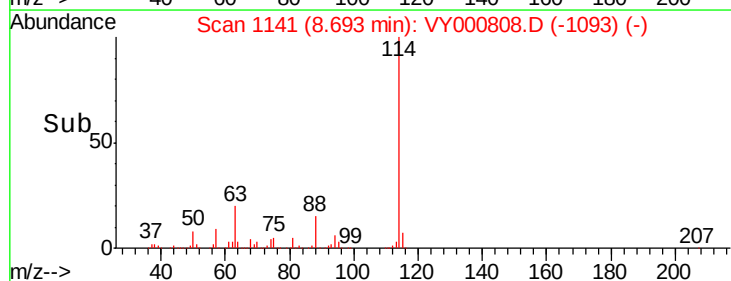
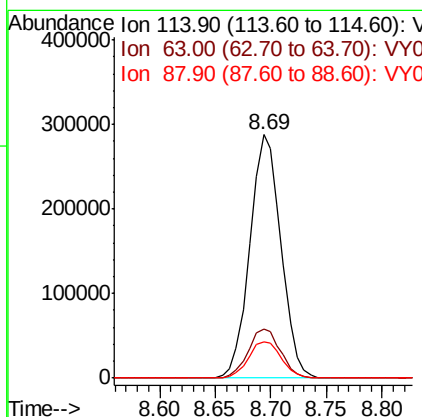
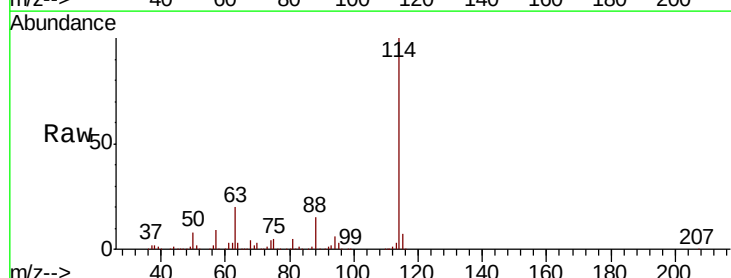
Manual Integrations
 APPROVED

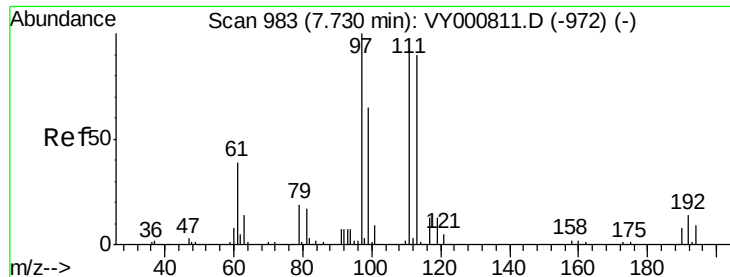
MMDadoda
 12/2/2019 11:37:43 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. -0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion: 114 Resp: 560215
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 14.7 0.0 33.2





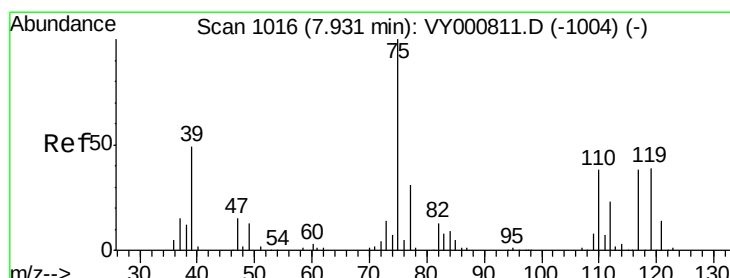
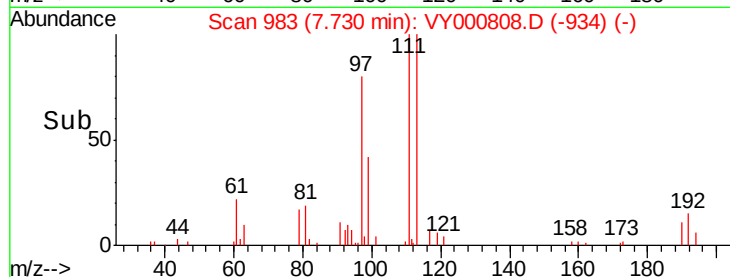
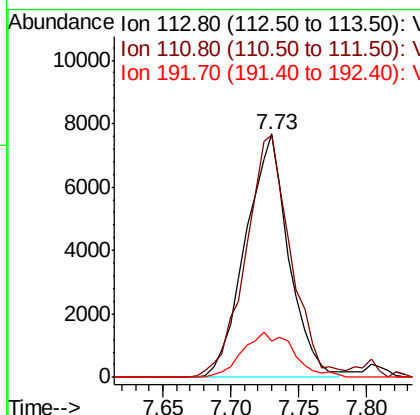
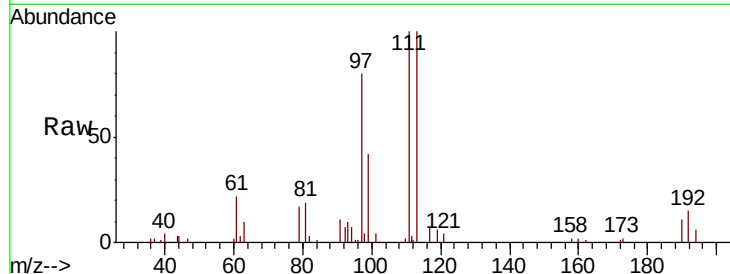
#35
Dibromofluoromethane
Concen: 5.225 ug/l
RT: 7.73 min Scan# 983
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.4	123.6
192	21.6	14.2	21.2#

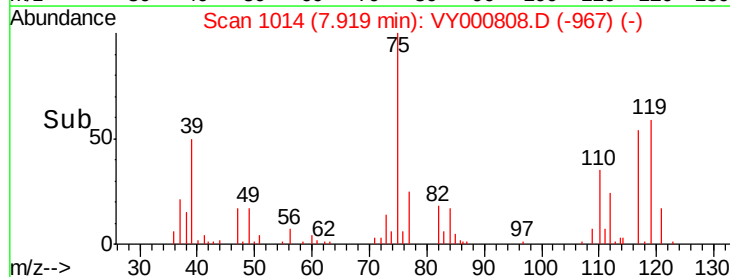
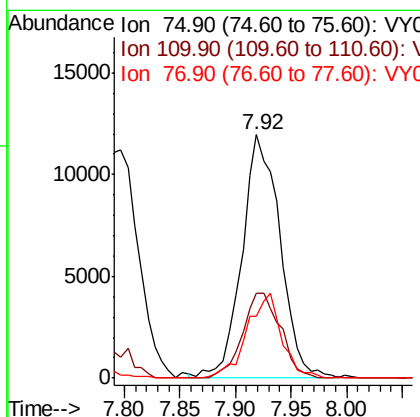
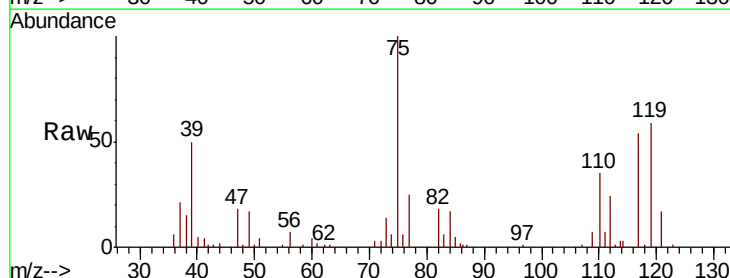
Manual Integrations
APPROVED

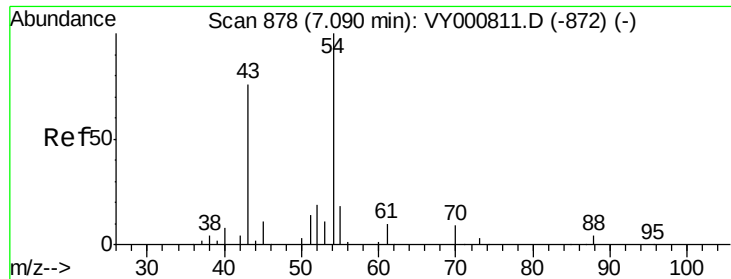
MMDadoda
12/2/2019 11:37:43 AM



#36
1,1-Dichloropropene
Concen: 5.305 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.7	17.9	53.7
77	31.8	24.7	37.1





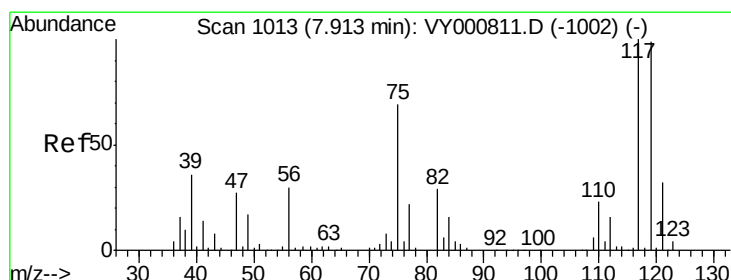
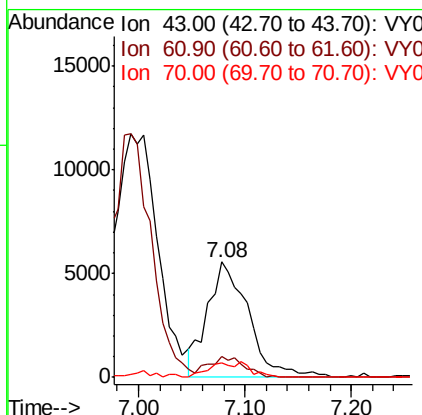
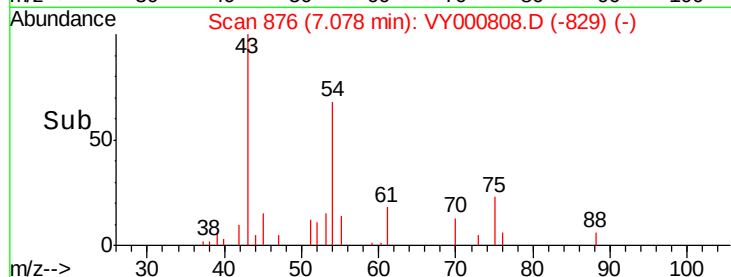
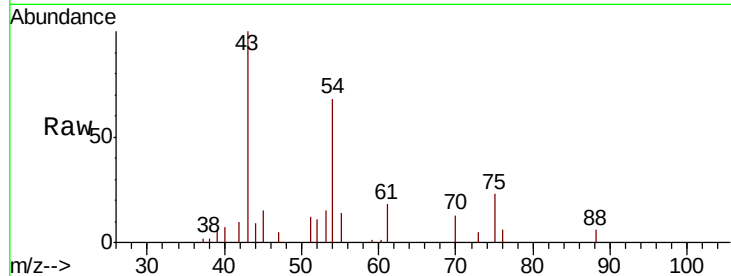
#37
Ethyl Acetate
Concen: 4.631 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.8	17.8
70	7.7	8.7	13.1

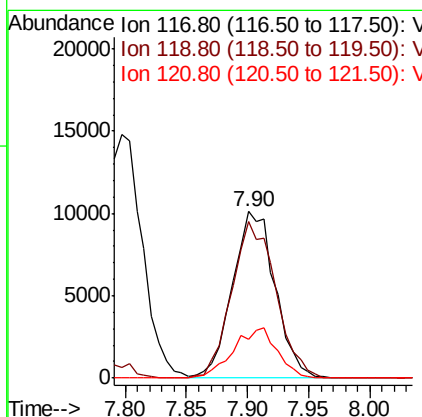
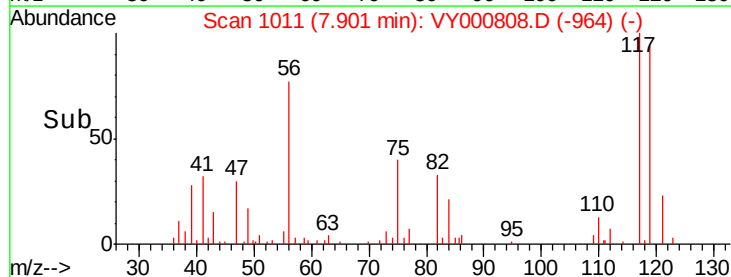
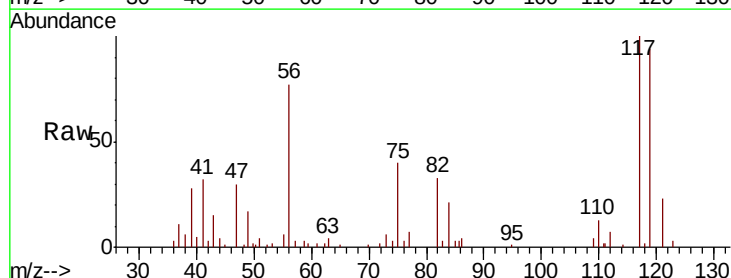
Manual Integrations
APPROVED

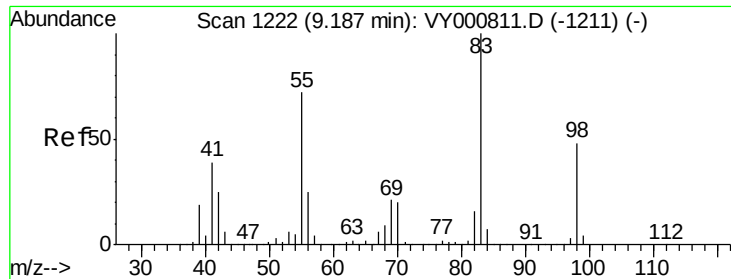
MMDadoda
12/2/2019 11:37:43 AM



#38
Carbon Tetrachloride
Concen: 4.817 ug/l
RT: 7.90 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	79.3	118.9
121	23.3	25.5	38.3





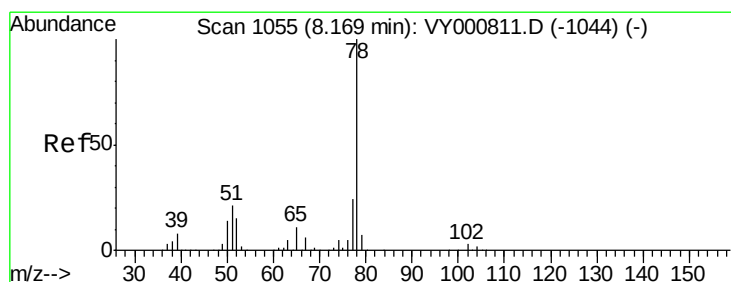
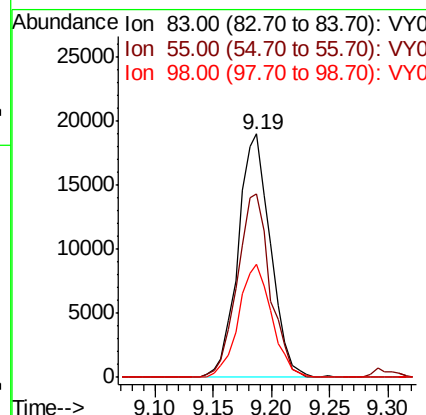
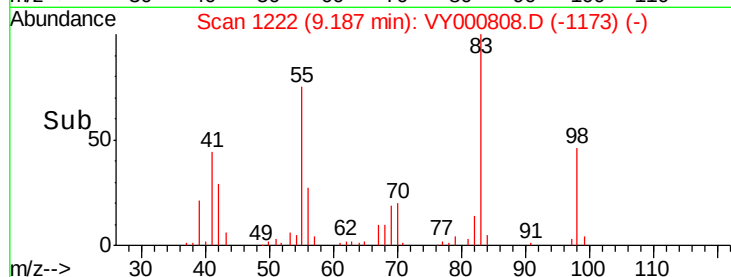
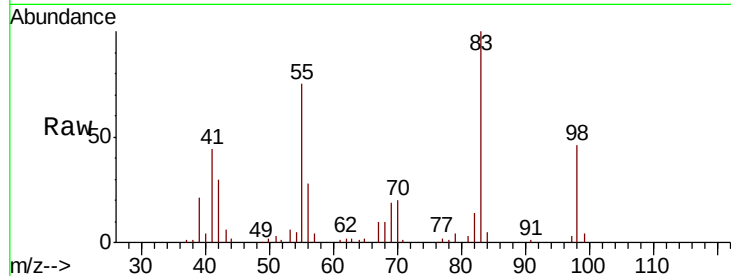
#39
Methylvlcyclohexane
Concen: 5.302 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp:	36806
Ion	Ratio	Lower	Upper
83	100		
55	75.2	57.8	86.6
98	46.4	38.6	58.0

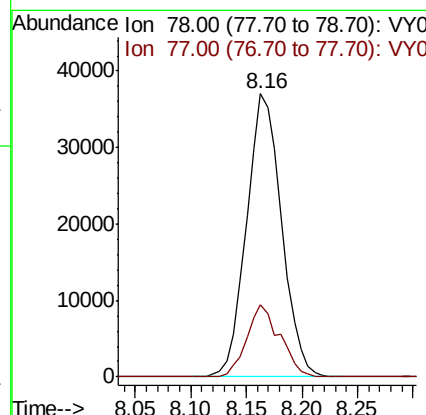
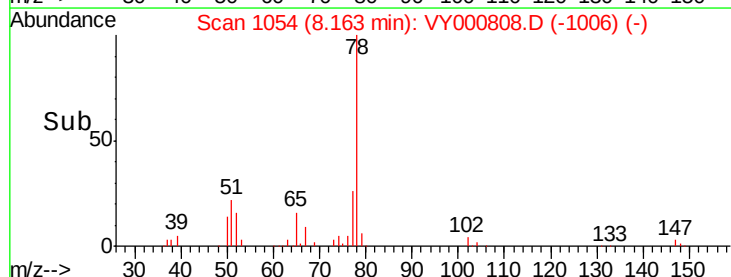
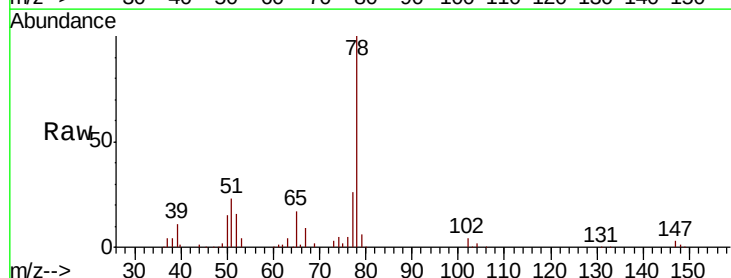
Manual Integrations
APPROVED

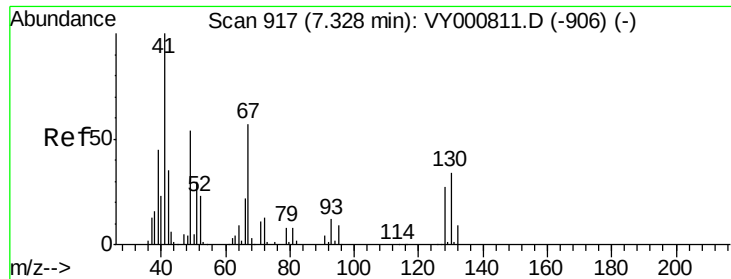
MMDadoda
12/2/2019 11:37:43 AM



#40
Benzene
Concen: 5.146 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	78	Resp:	81129
Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.2	28.8





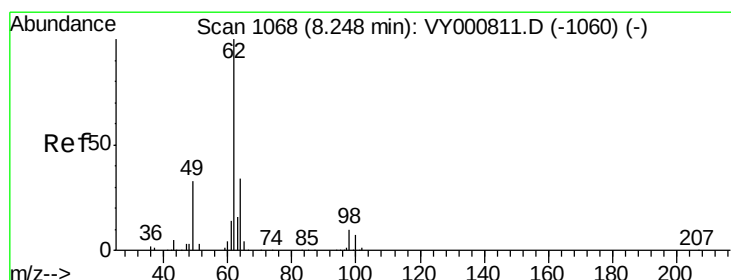
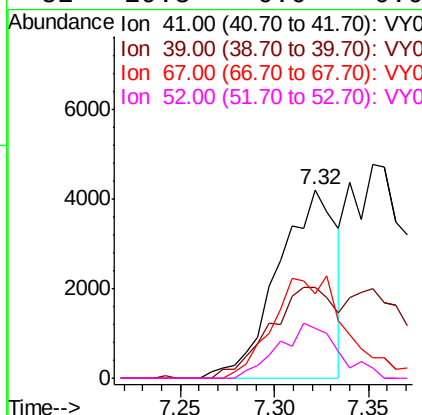
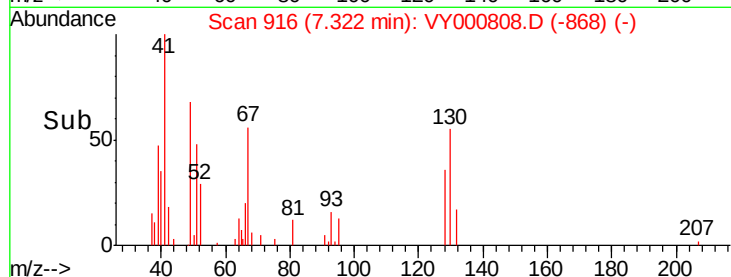
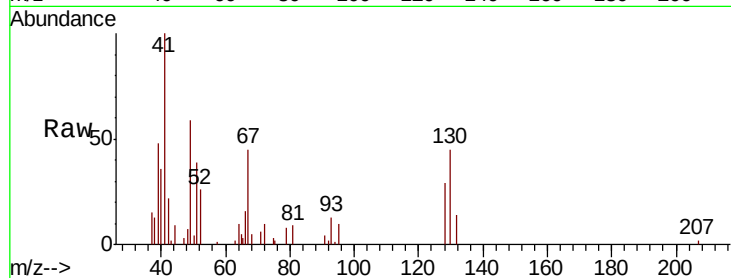
#41
Methacrylonitrile
Concen: 5.127 ug/l
RT: 7.32 min Scan# 916
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	95.7	143.5#
67	66.9	0.0	0.0#
52	29.3	0.0	0.0#

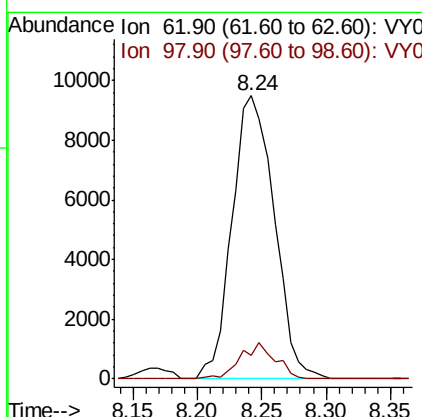
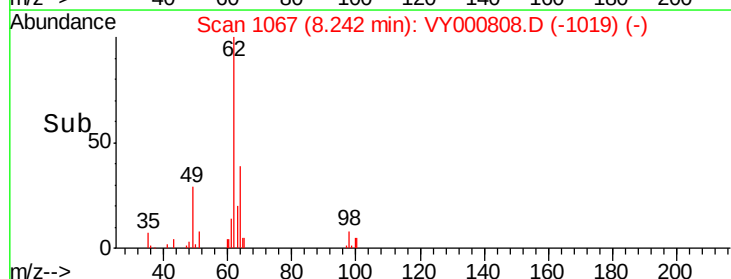
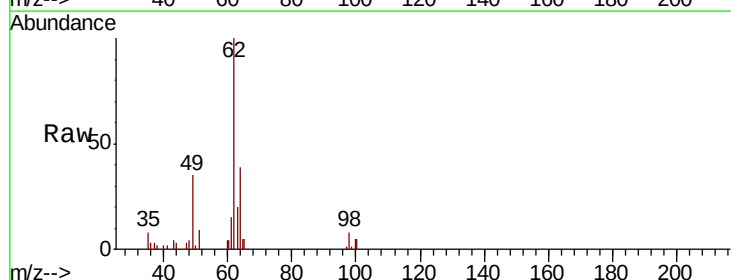
Manual Integrations
APPROVED

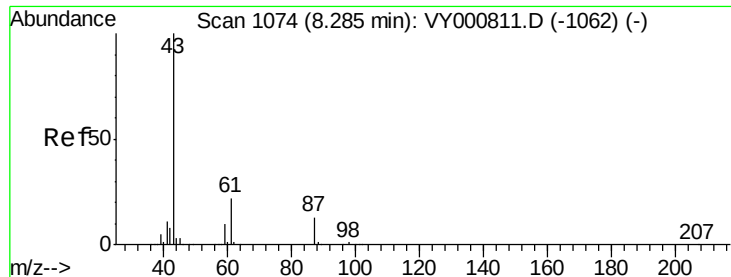
MMDadoda
12/2/2019 11:37:43 AM



#42
1,2-Dichloroethane
Concen: 4.893 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.4





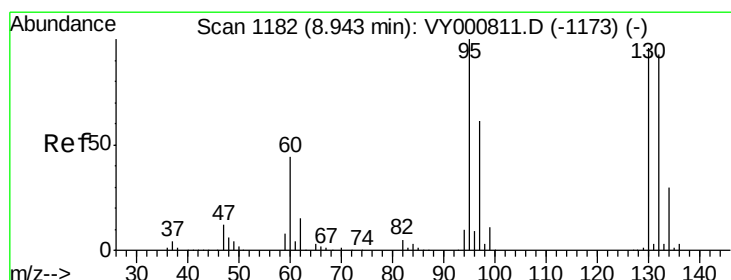
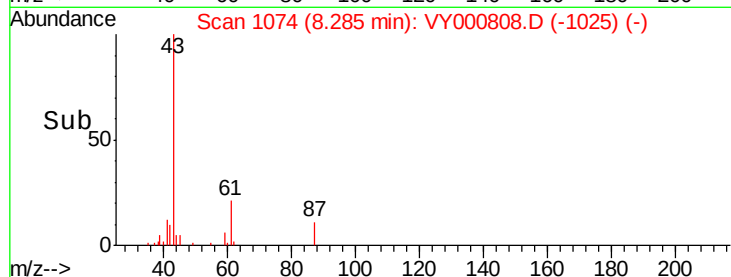
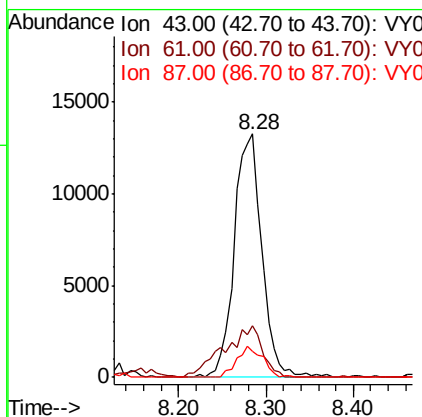
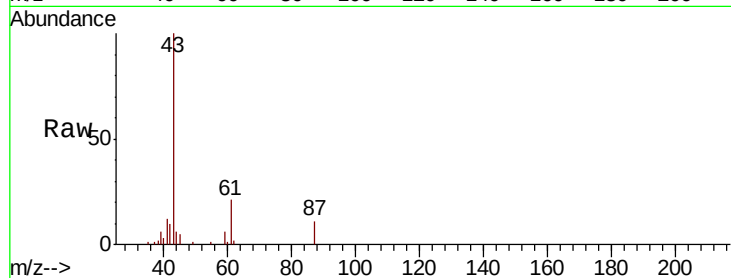
#43
Isopropyl Acetate
Concen: 4.841 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.7	35.5
87	12.1	10.6	15.8

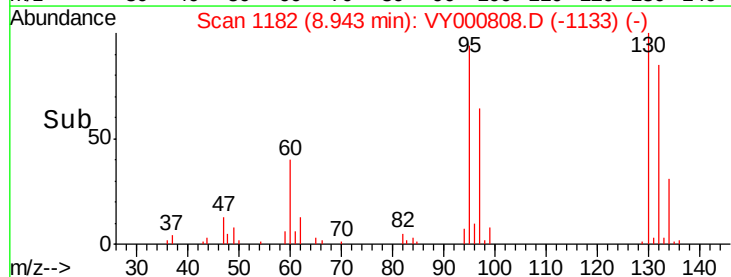
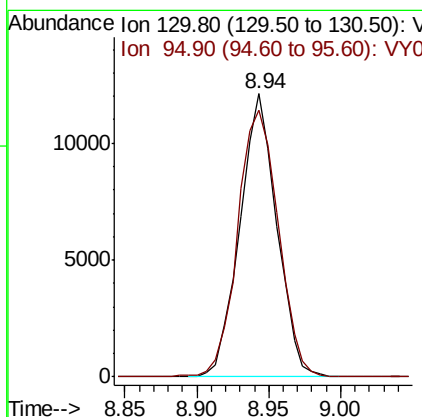
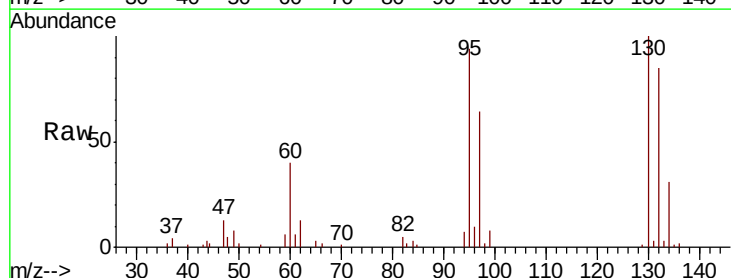
Manual Integrations
APPROVED

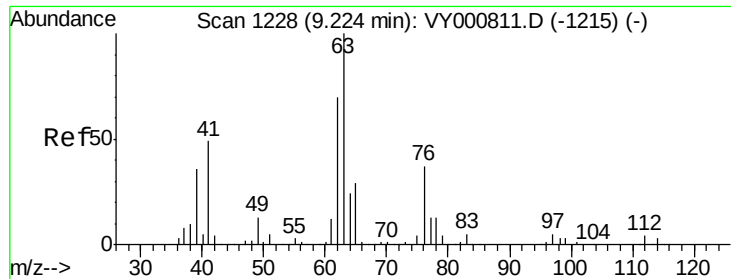
MMDadoda
12/2/2019 11:37:43 AM



#44
Trichloroethene
Concen: 5.187 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	207.8





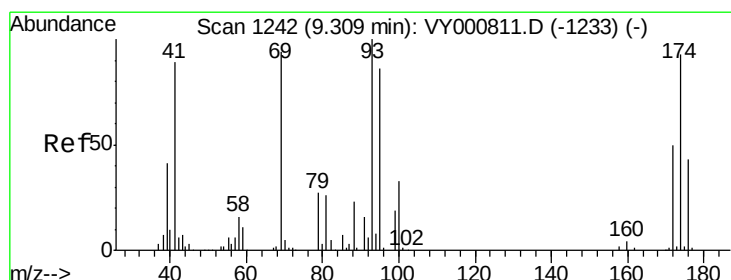
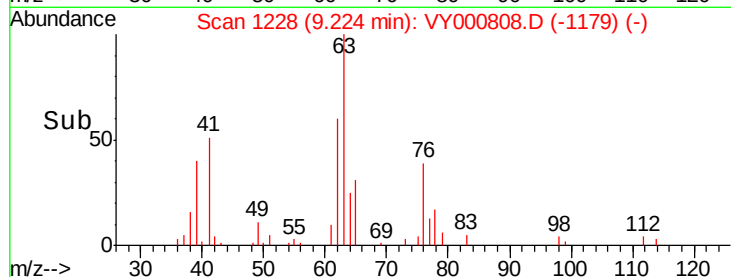
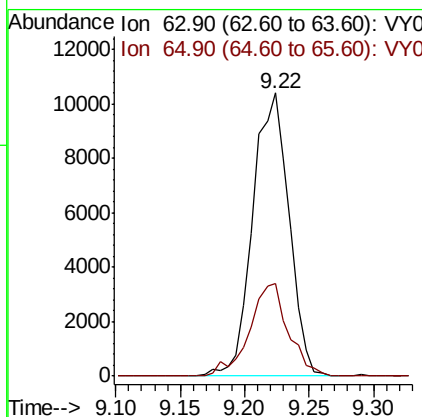
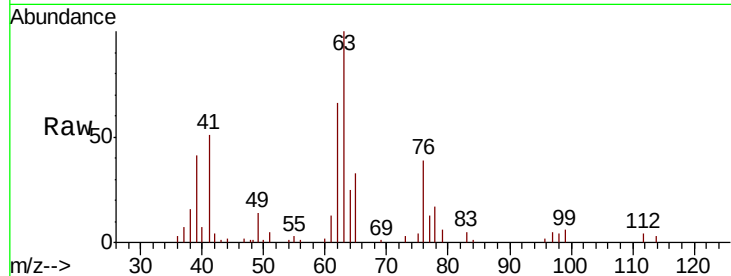
#45
 1,2-Dichloropropane
 Concen: 5.180 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 20237
 Ion Ratio Lower Upper
 63 100
 65 32.8 23.2 34.8

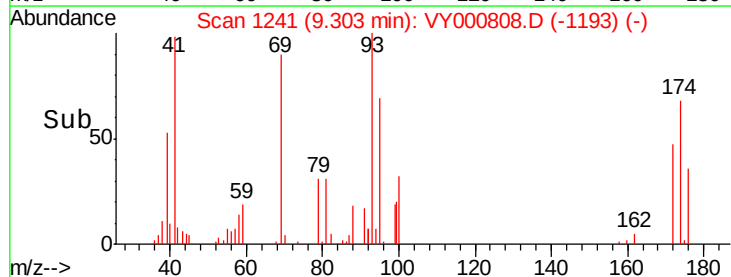
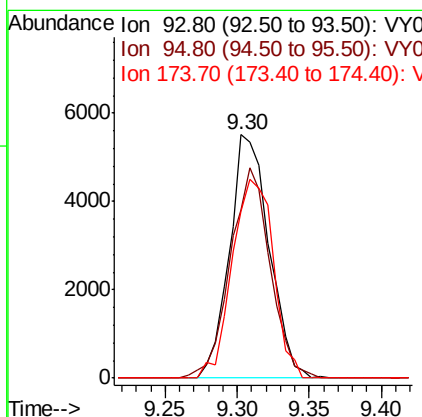
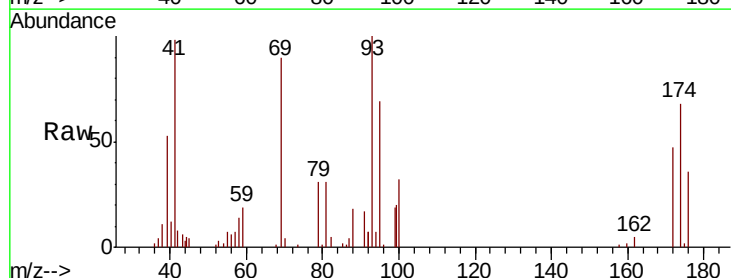
Manual Integrations
 APPROVED

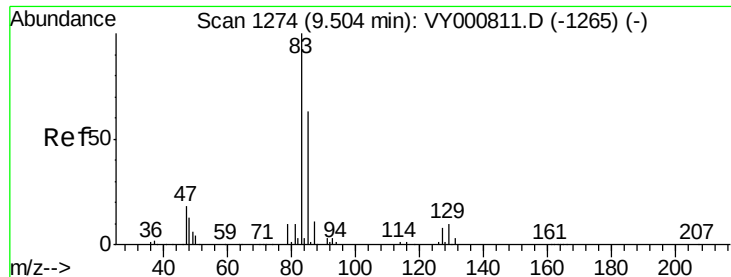
MMDadoda
 12/2/2019 11:37:43 AM



#46
 Dibromomethane
 Concen: 4.955 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion: 93 Resp: 10562
 Ion Ratio Lower Upper
 93 100
 95 86.9 66.4 99.6
 174 84.6 73.0 109.6





#47

Bromodichloromethane

Concen: 4.795 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. -0.01 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

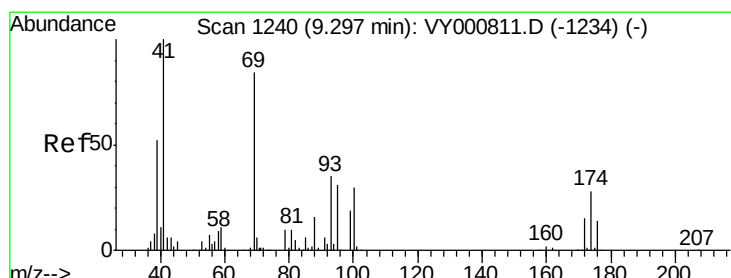
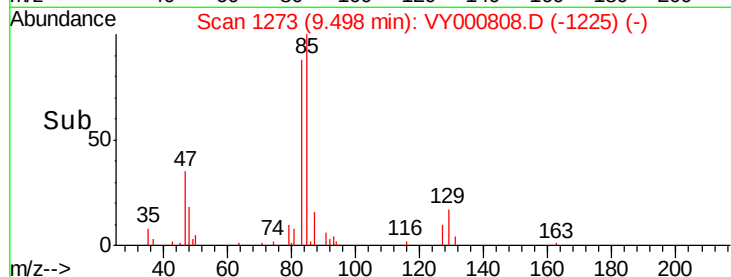
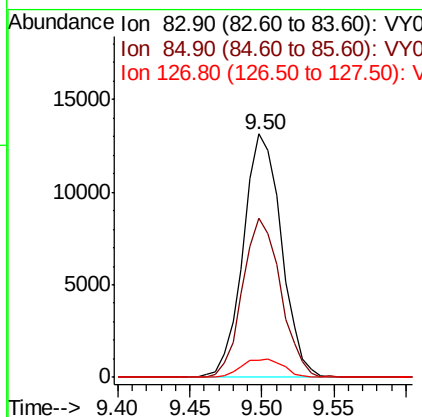
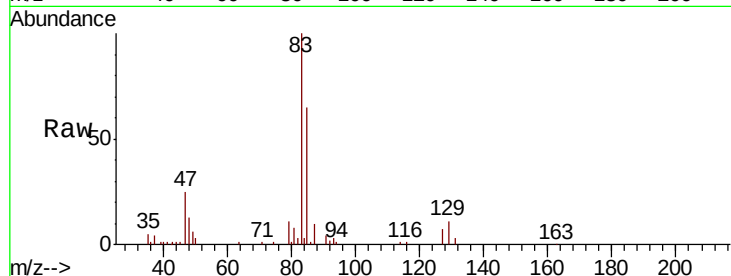
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	24106
Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.8	76.2
127	6.8	6.6	10.0

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM



#48

Methyl methacrylate

Concen: 4.642 ug/l

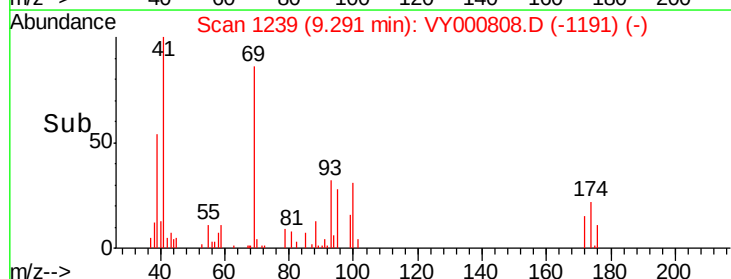
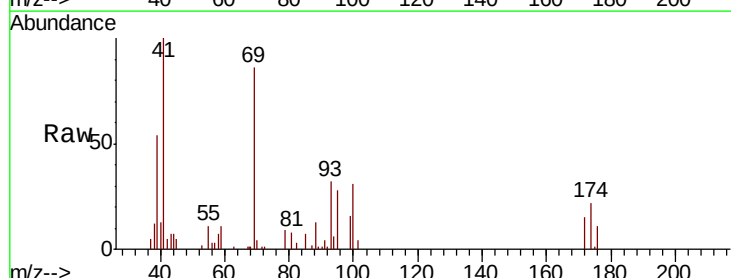
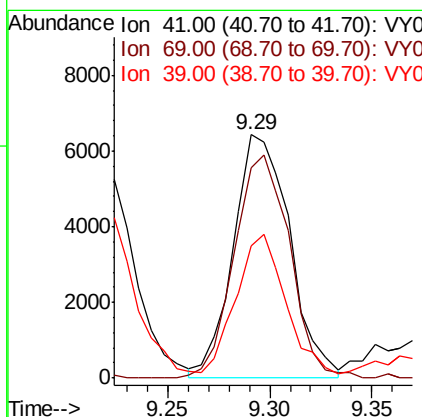
RT: 9.29 min Scan# 1239

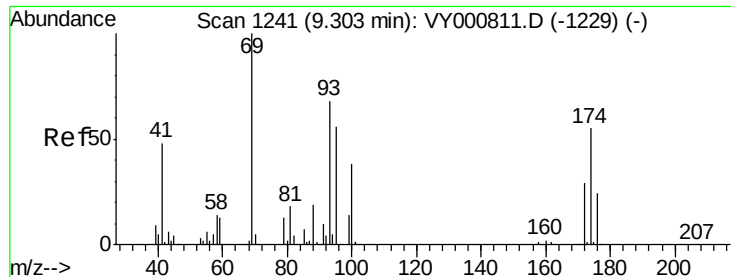
Delta R.T. -0.01 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Tgt Ion:	41	Resp:	12360
Ion	Ratio	Lower	Upper
41	100		
69	89.8	70.4	105.6
39	53.3	40.9	61.3





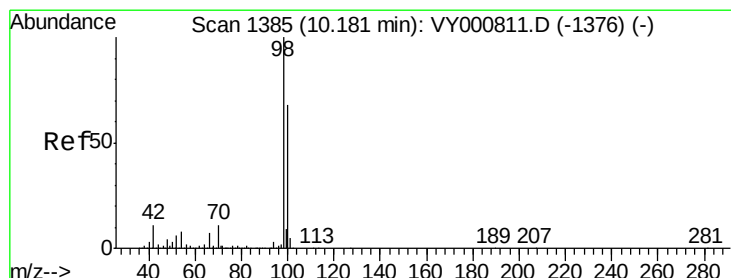
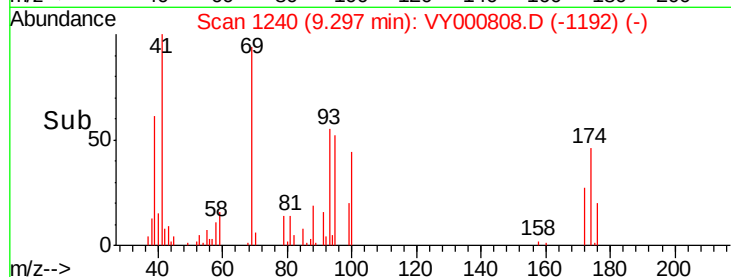
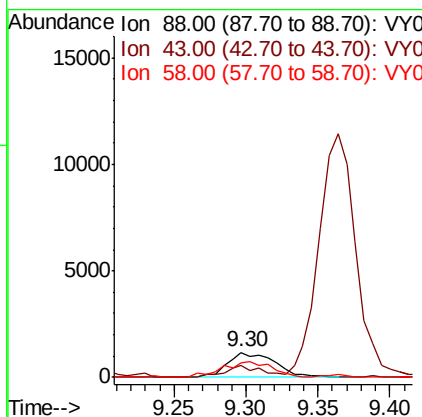
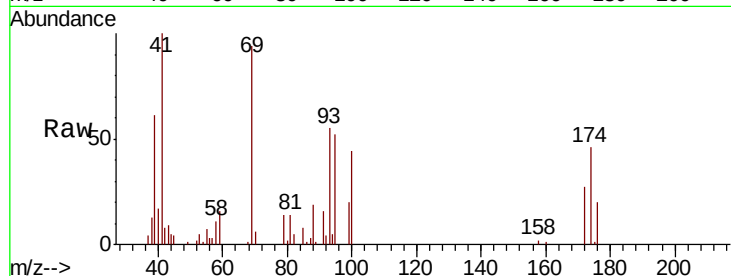
#49
1,4-Dioxane
Concen: 93.028 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	21.1	31.7#
58	63.7	50.7	76.1

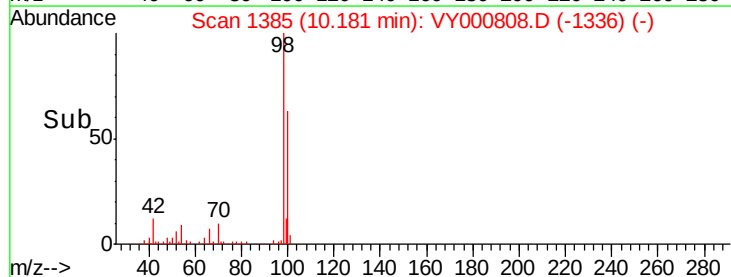
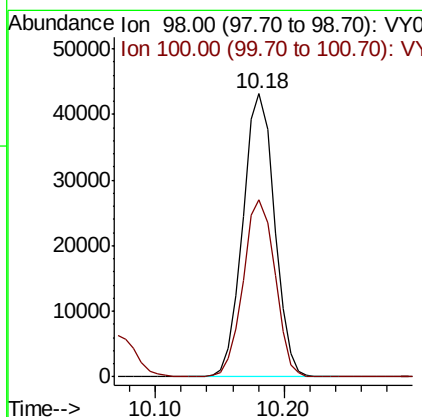
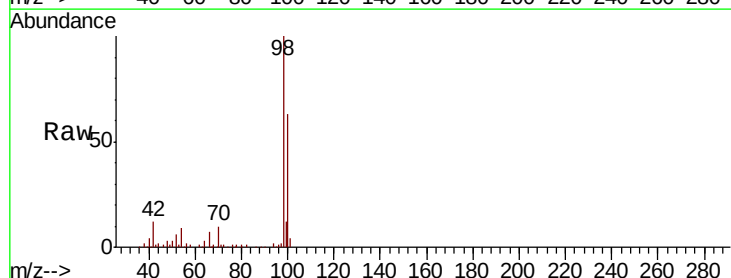
Manual Integrations
APPROVED

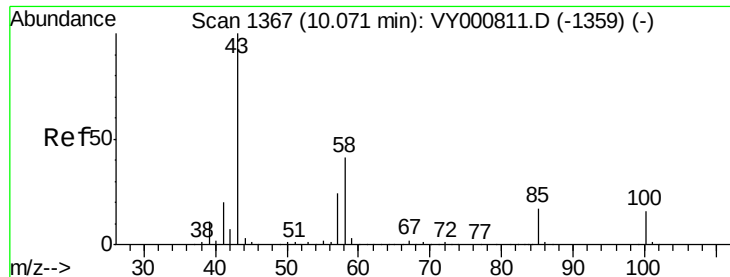
MMDadoda
12/2/2019 11:37:43 AM



#50
Toluene-d8
Concen: 5.897 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 21.893 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 69875

Ion Ratio Lower Upper

43 100

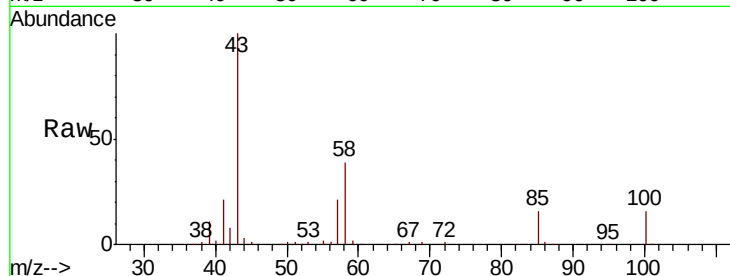
58 39.4 33.1 49.7

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VY000811.D (-1359) (-)

Ion 58.00 (57.70 to 58.70): VY000811.D (-1359) (-)

10.07

40000

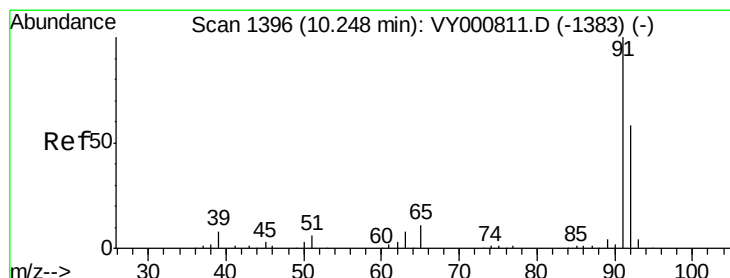
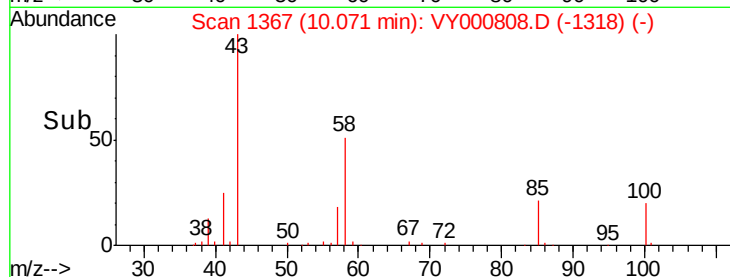
30000

20000

10000

0

Time-->



#52

Toluene

Concen: 4.972 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. -0.01 min

Lab File: VY000808.D

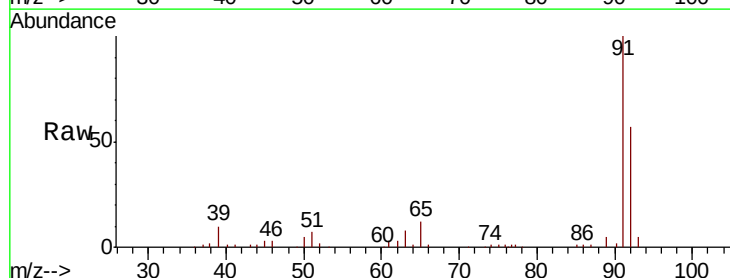
Acq: 27 Nov 2019 10:12

Tgt Ion: 92 Resp: 49454

Ion Ratio Lower Upper

92 100

91 173.2 136.6 204.8



Abundance Ion 92.00 (91.70 to 92.70): VY000811.D (-1383) (-)

Ion 91.00 (90.70 to 91.70): VY000811.D (-1383) (-)

10.24

60000

50000

40000

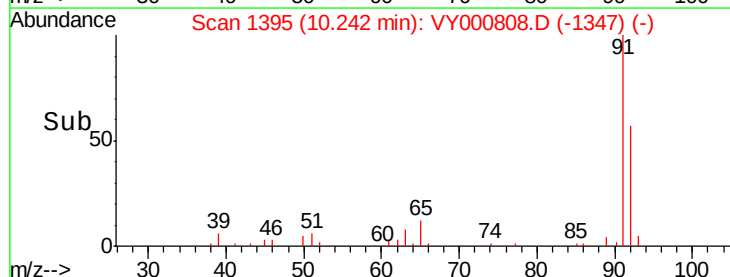
30000

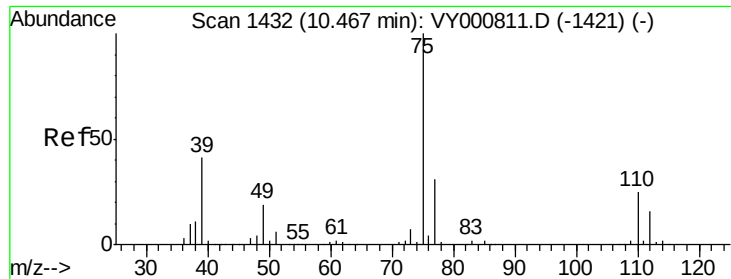
20000

10000

0

Time-->





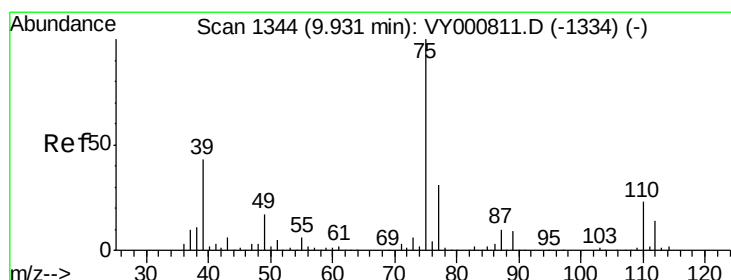
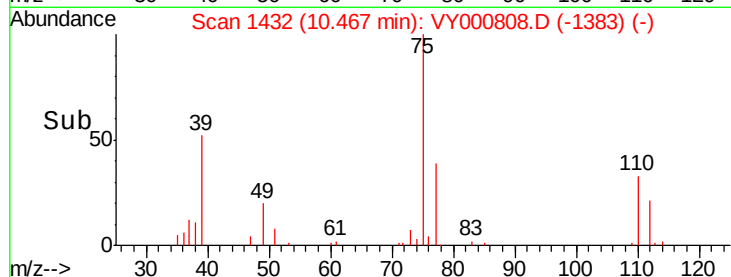
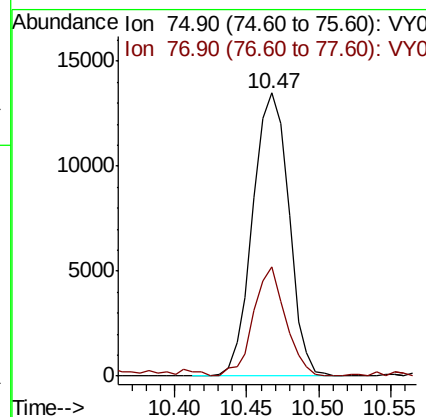
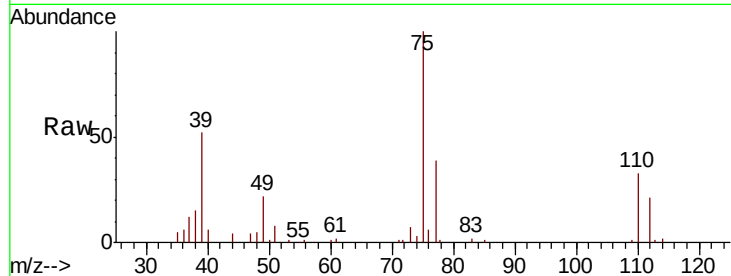
#53
 t-1,3-Dichloropropene
 Concen: 4.336 ug/l
 RT: 10.47 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 23356
 Ion Ratio Lower Upper
 75 100
 77 38.6 25.1 37.7#

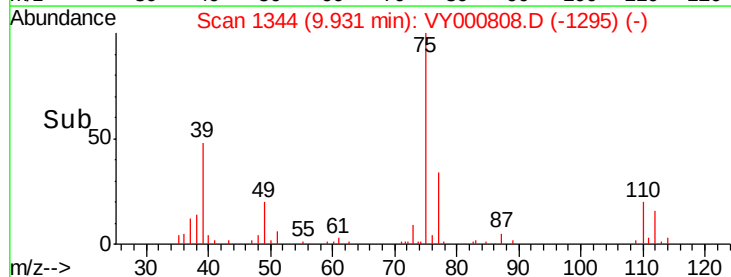
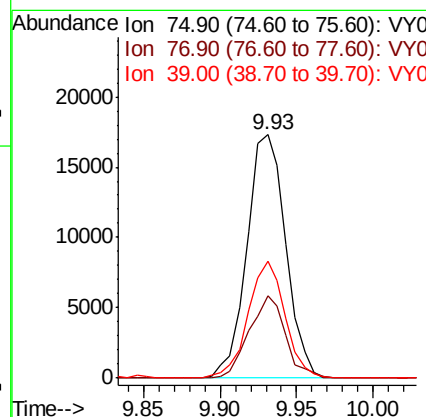
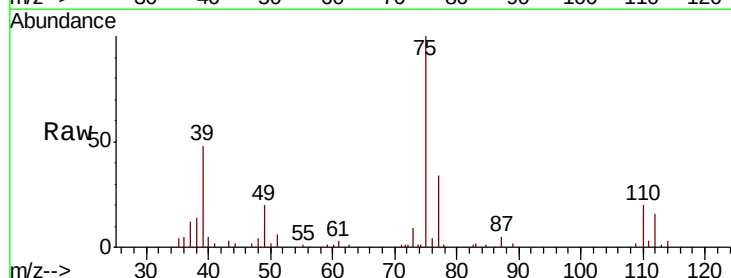
Manual Integrations
 APPROVED

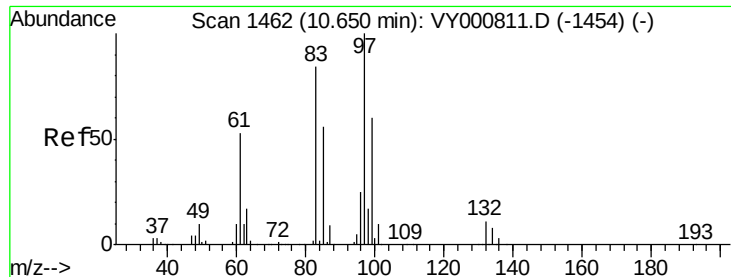
MMDadoda
 12/2/2019 11:37:43 AM



#54
 cis-1,3-Dichloropropene
 Concen: 4.916 ug/l
 RT: 9.93 min Scan# 1344
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion: 75 Resp: 30453
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.7 37.1
 39 47.9 34.5 51.7





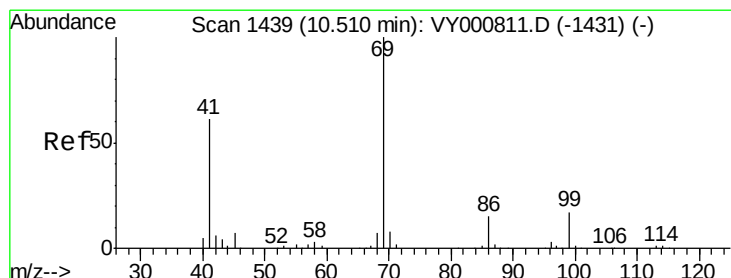
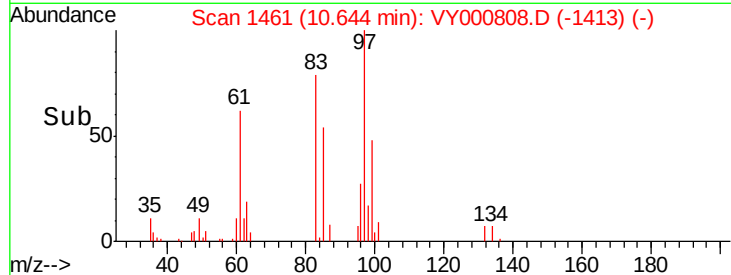
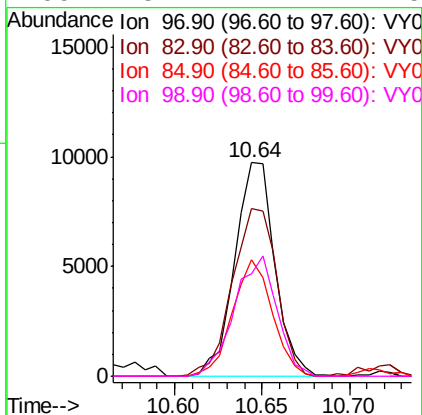
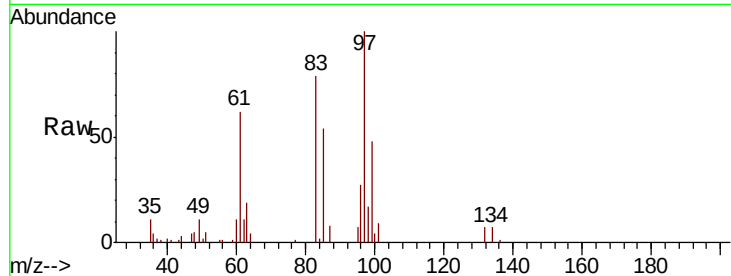
#55
 1,1,2-Trichloroethane
 Concen: 5.029 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
83	77.9	67.5	101.3
85	54.3	44.5	66.7
99	48.2	47.7	71.5

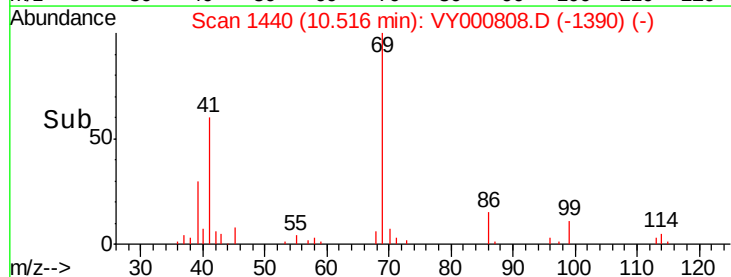
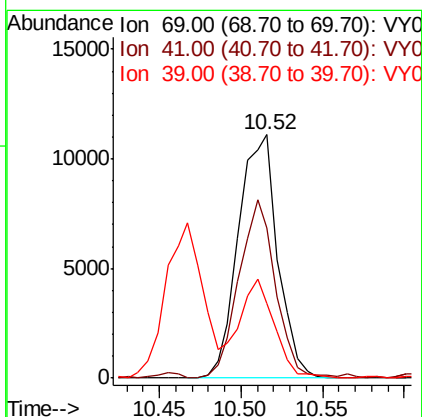
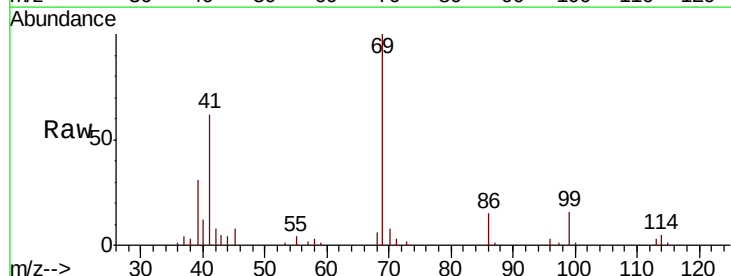
Manual Integrations
 APPROVED

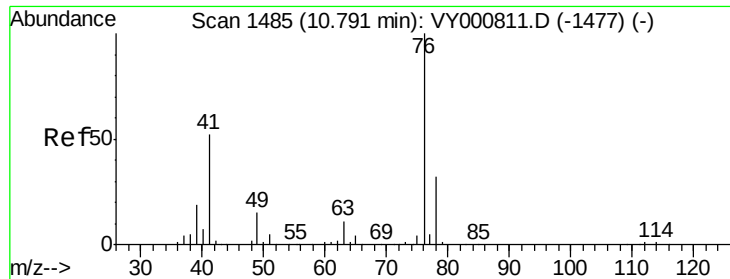
MMDadoda
 12/2/2019 11:37:43 AM



#56
 Ethyl methacrylate
 Concen: 4.221 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.7	49.0	73.6
39	37.6	23.1	34.7#





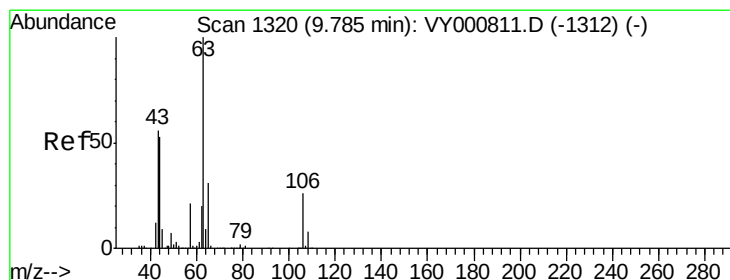
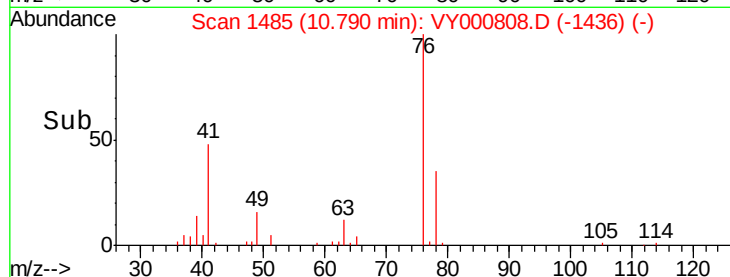
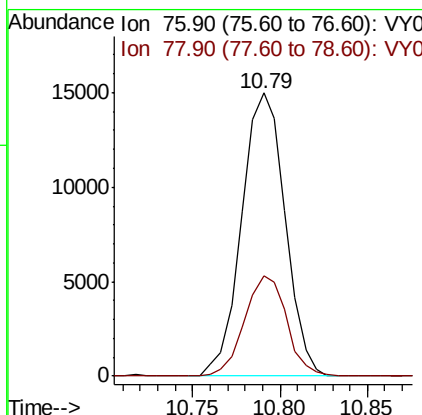
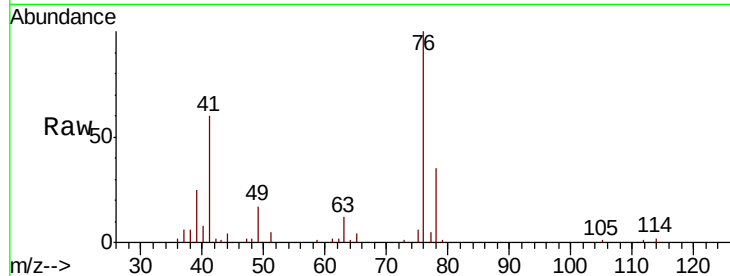
#57
 1,3-Dichloropropane
 Concen: 4.824 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.3	26.4	39.6

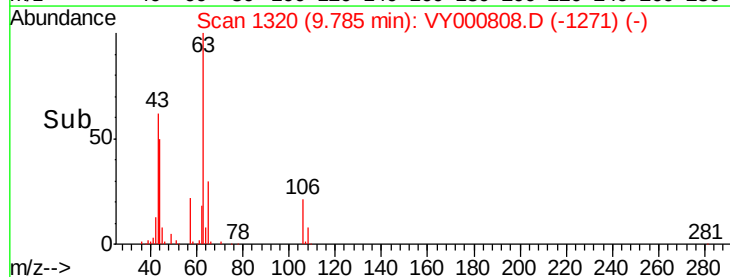
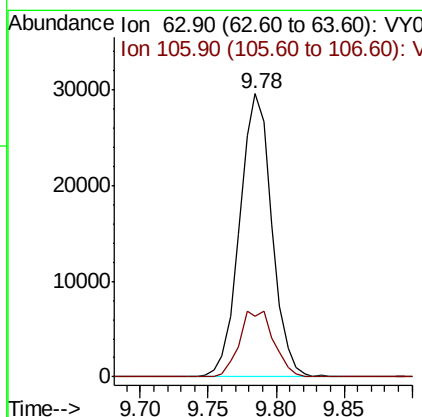
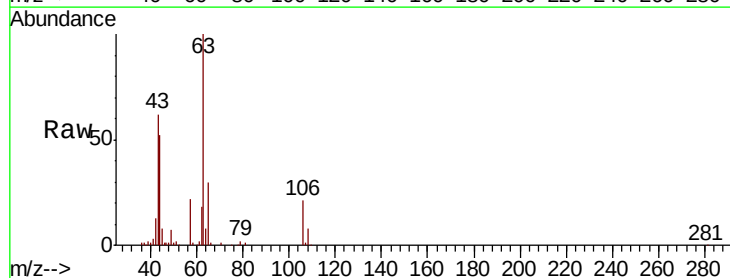
Manual Integrations
 APPROVED

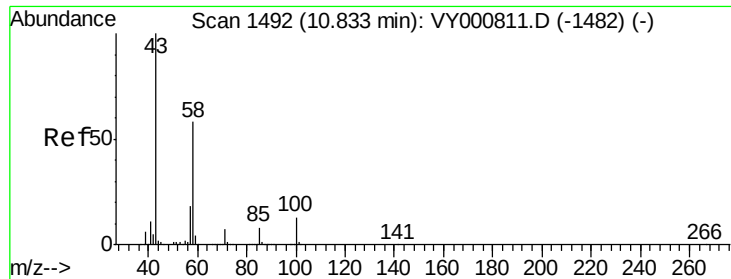
MMDadoda
 12/2/2019 11:37:43 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.613 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	21.5	32.3





#59

2-Hexanone

Concen: 21.070 ug/l

RT: 10.83 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 49240

Ion Ratio Lower Upper

43 100

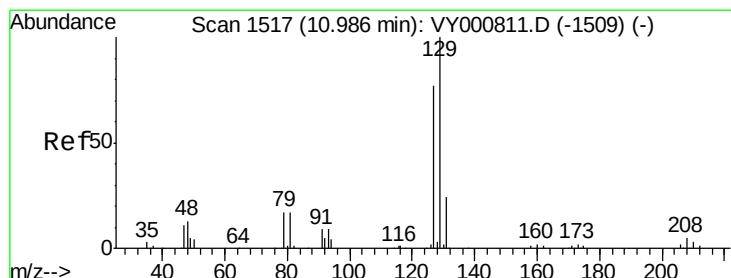
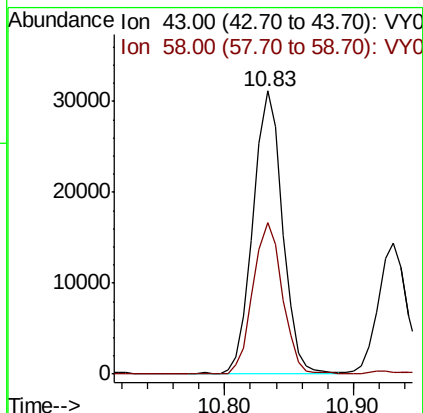
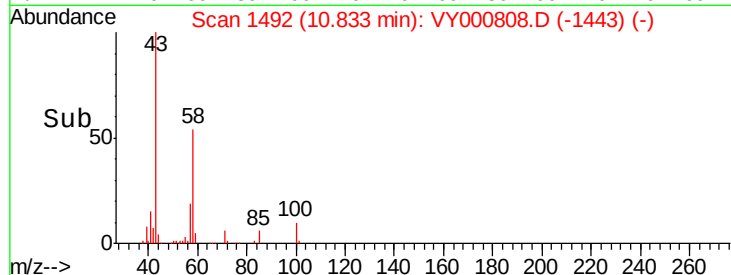
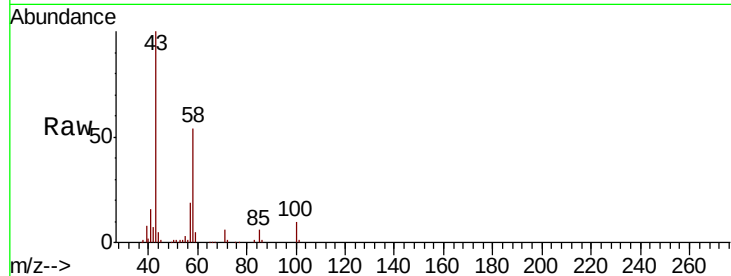
58 53.2 29.0 87.1

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM



#60

Dibromochloromethane

Concen: 4.465 ug/l

RT: 10.99 min Scan# 1517

Delta R.T. -0.00 min

Lab File: VY000808.D

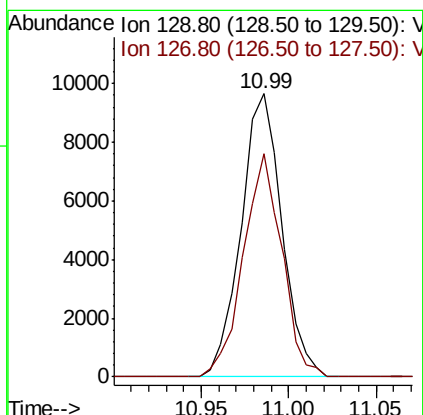
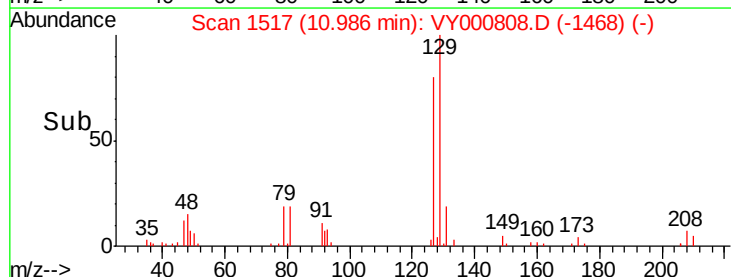
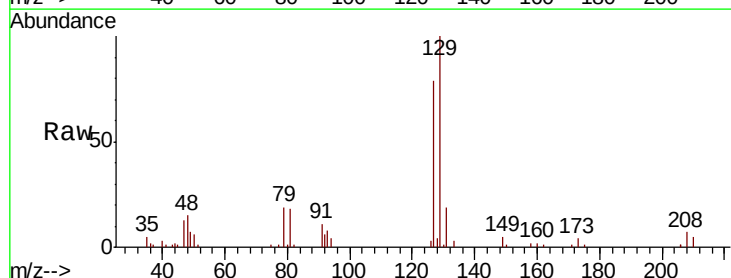
Acq: 27 Nov 2019 10:12

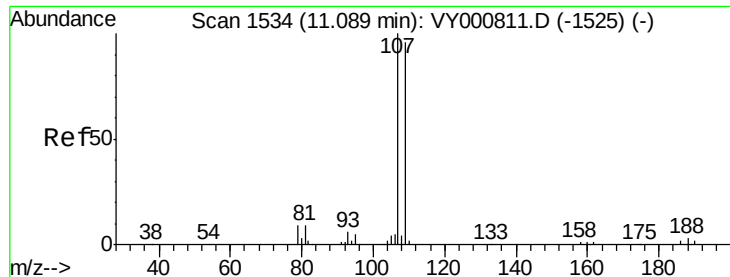
Tgt Ion: 129 Resp: 15639

Ion Ratio Lower Upper

129 100

127 74.6 39.1 117.2





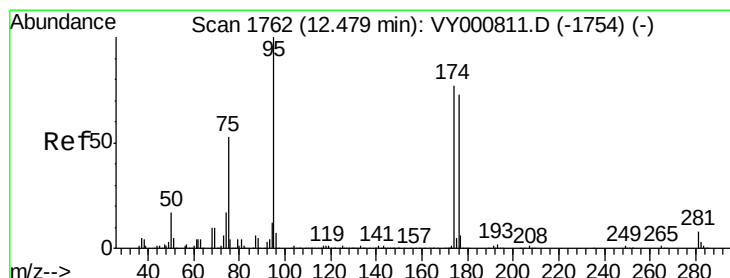
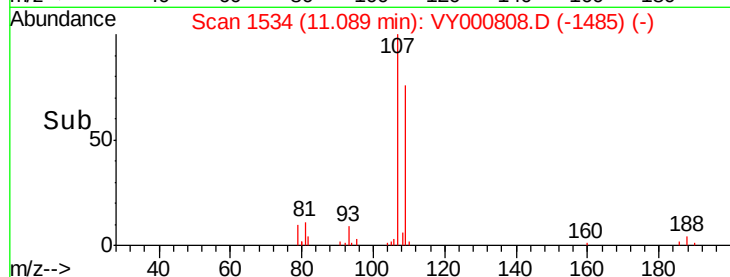
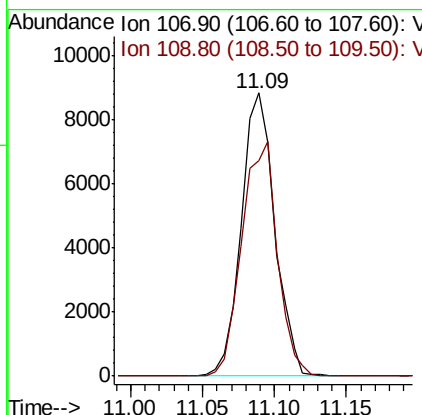
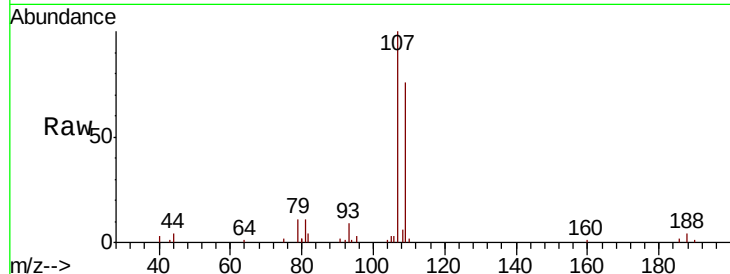
#61
 1,2-Dibromoethane
 Concen: 4.810 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	87.7	75.9	113.9

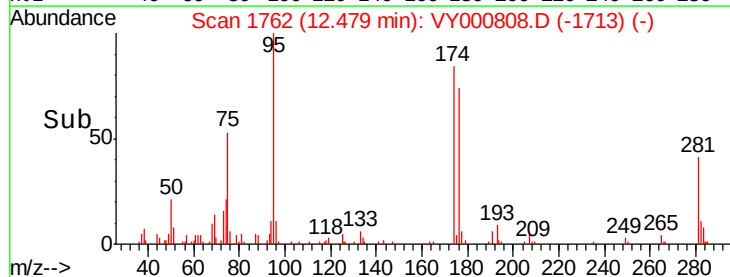
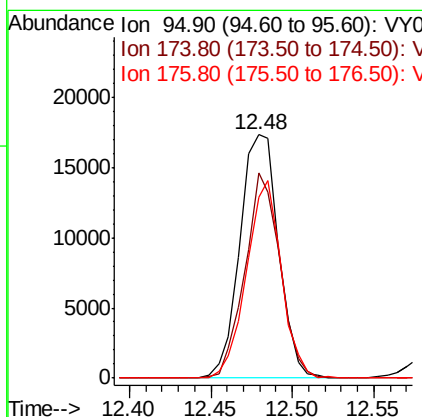
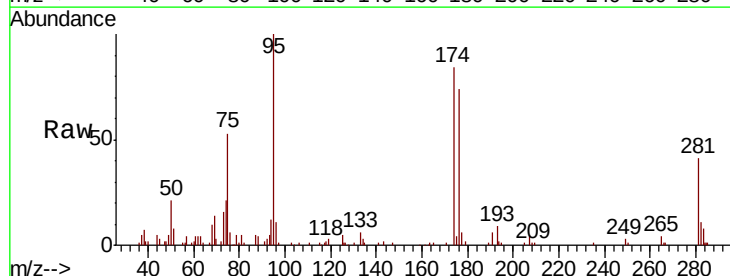
Manual Integrations
 APPROVED

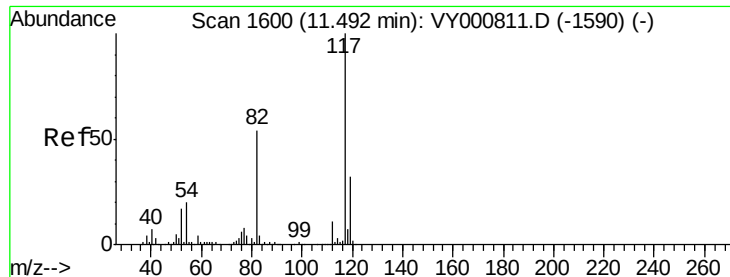
MMDadoda
 12/2/2019 11:37:43 AM



#62
 4-Bromofluorobenzene
 Concen: 6.086 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.6	0.0	150.6
176	73.2	0.0	145.2





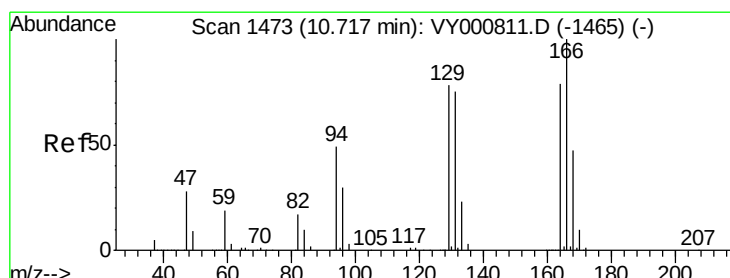
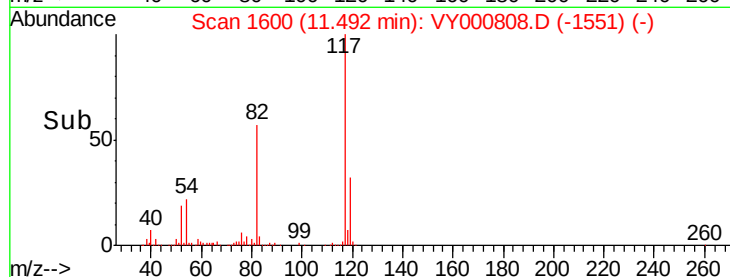
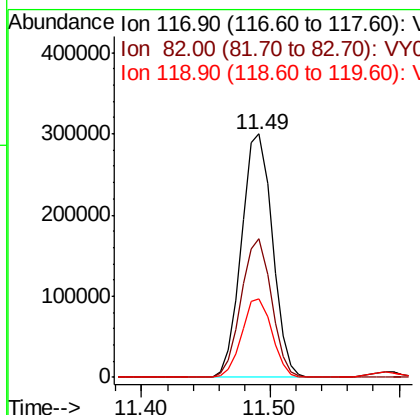
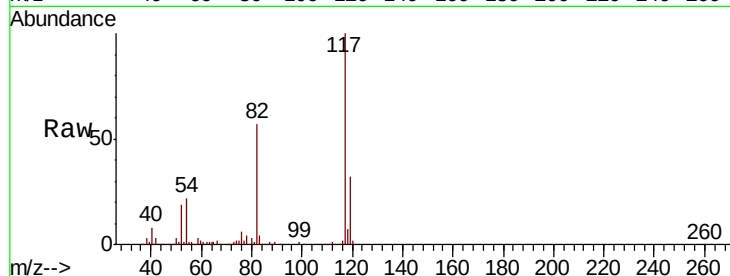
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	43.1	64.7
119	32.4	25.3	37.9

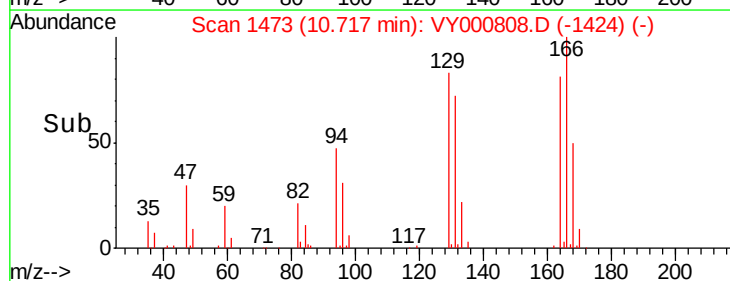
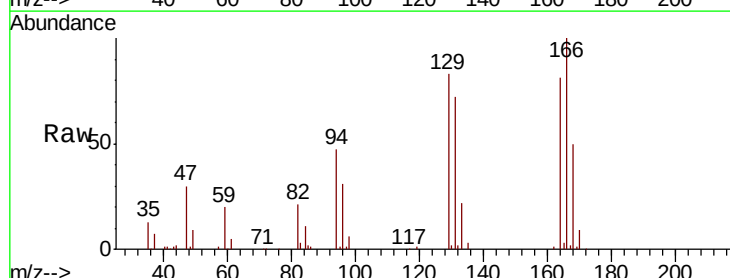
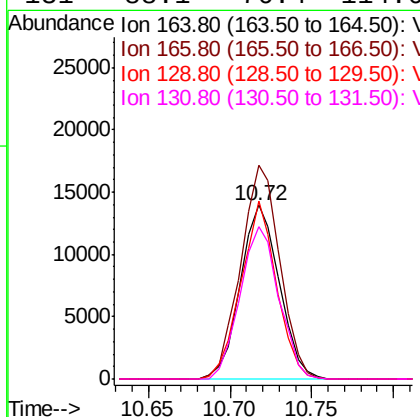
Manual Integrations
APPROVED

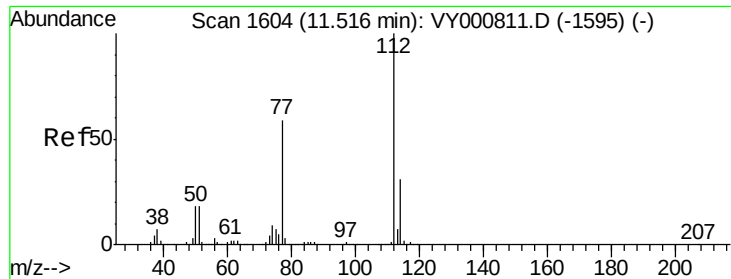
MMDadoda
12/2/2019 11:37:43 AM



#64
Tetrachloroethene
Concen: 5.580 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.8	152.8
129	102.3	79.3	118.9
131	88.1	76.4	114.6





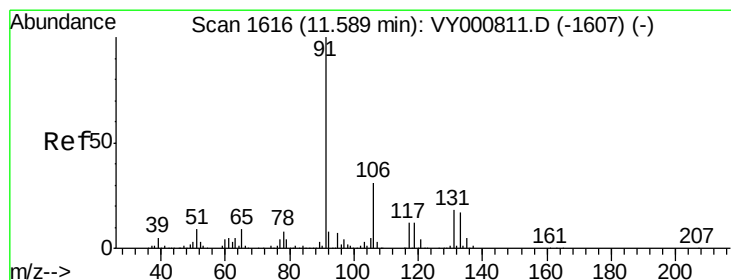
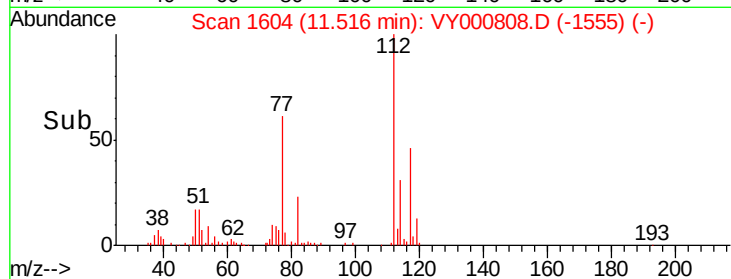
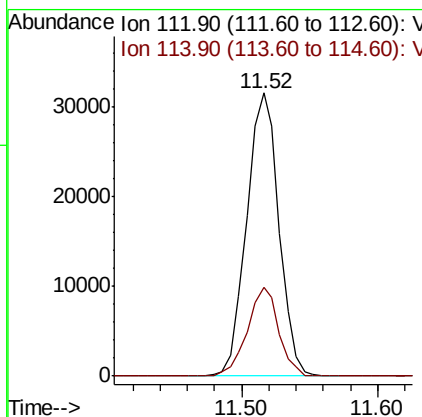
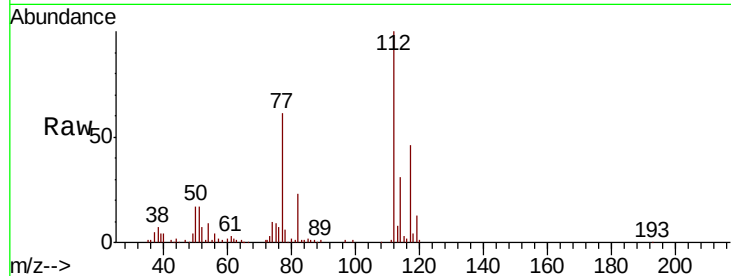
#65
Chlorobenzene
Concen: 5.142 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.1	37.7

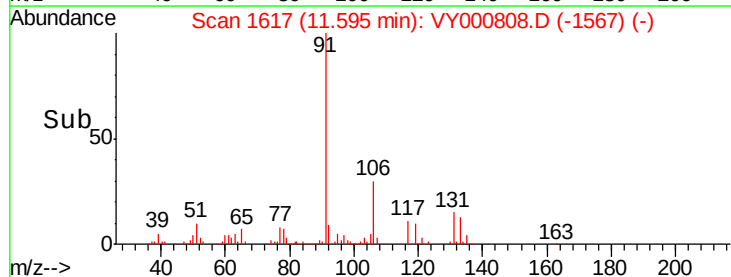
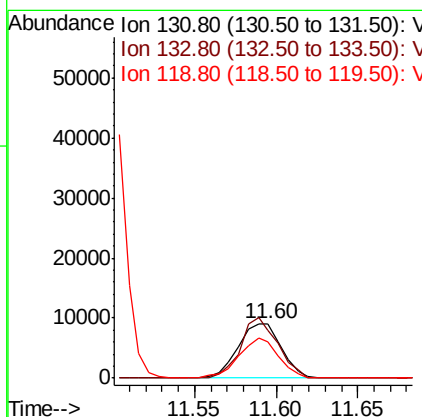
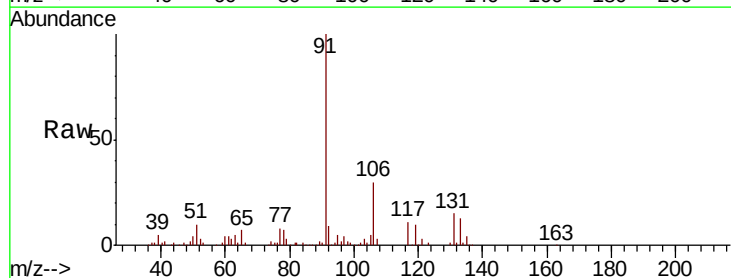
Manual Integrations
APPROVED

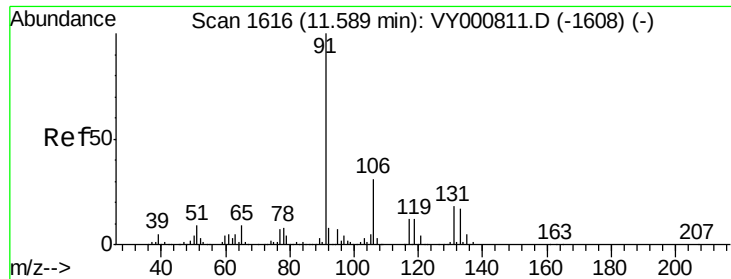
MMDadoda
12/2/2019 11:37:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.766 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.4	142.2
119	67.9	33.8	101.3





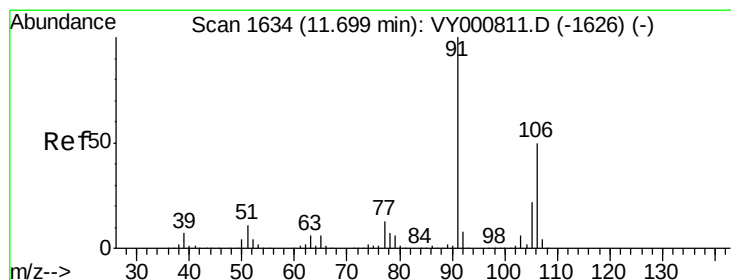
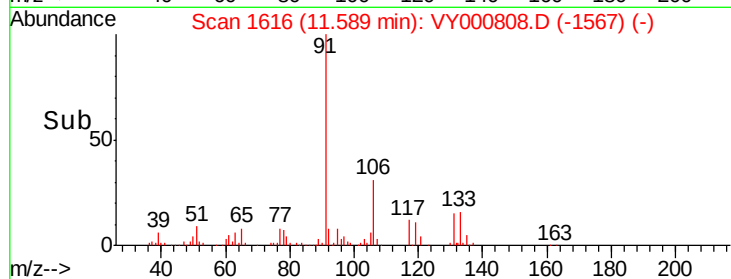
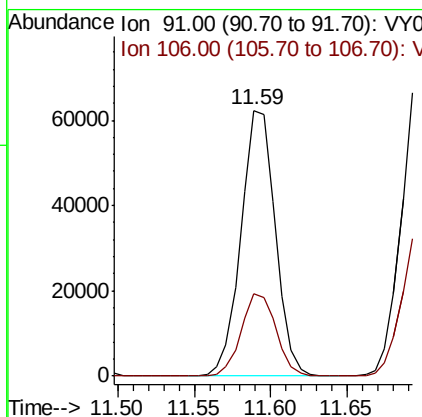
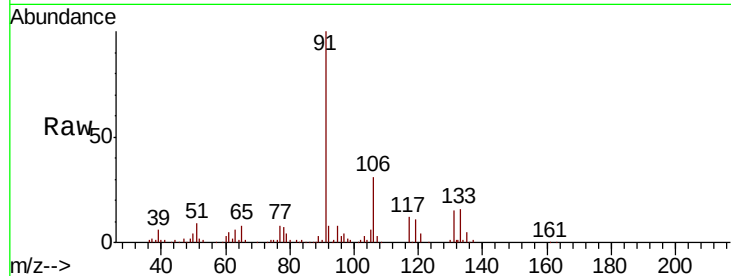
#67
Ethyl Benzene
Concen: 5.193 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 97146
Ion Ratio Lower Upper
91 100
106 31.2 24.4 36.6

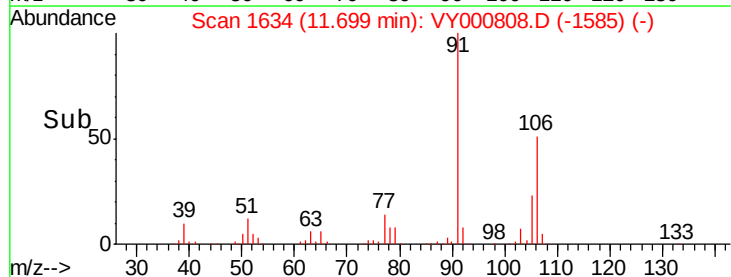
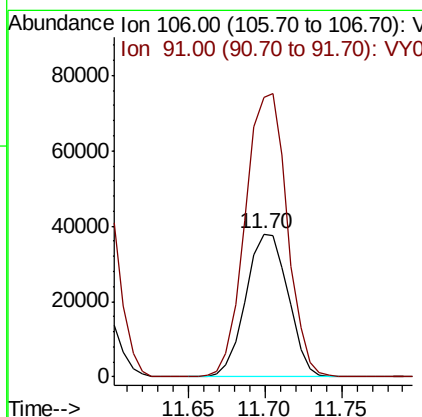
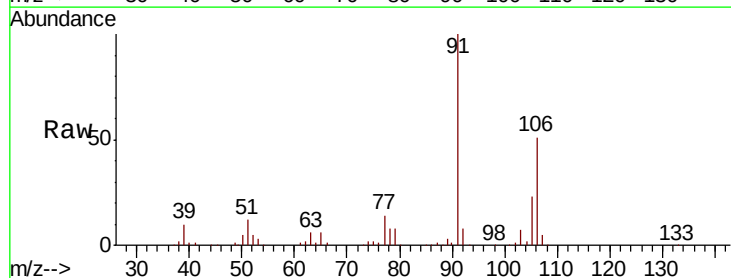
Manual Integrations
APPROVED

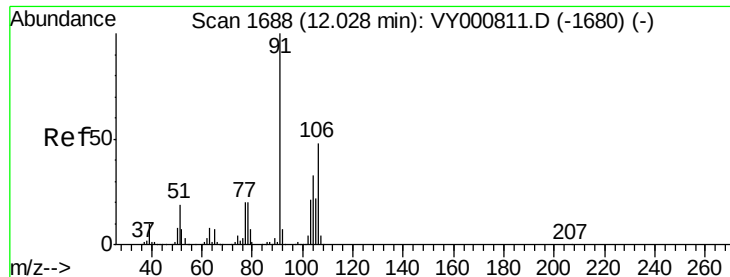
MMDadoda
12/2/2019 11:37:43 AM



#68
m/p-Xylenes
Concen: 10.111 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion: 106 Resp: 72691
Ion Ratio Lower Upper
106 100
91 197.2 159.6 239.4





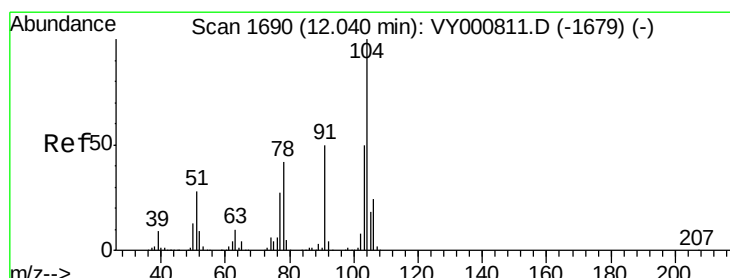
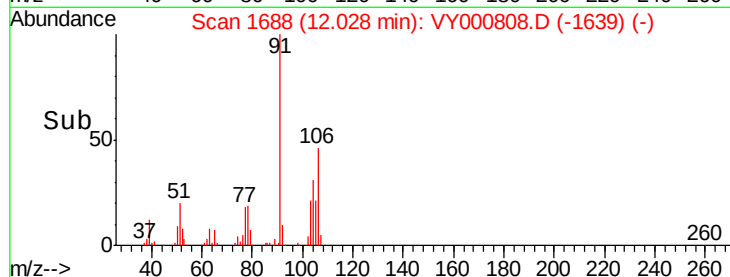
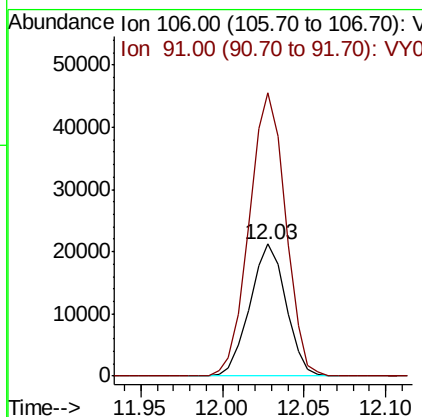
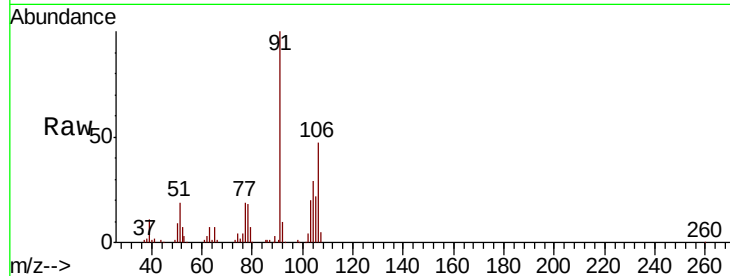
#69
o-Xylene
Concen: 4.833 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.7	106.1	318.1	

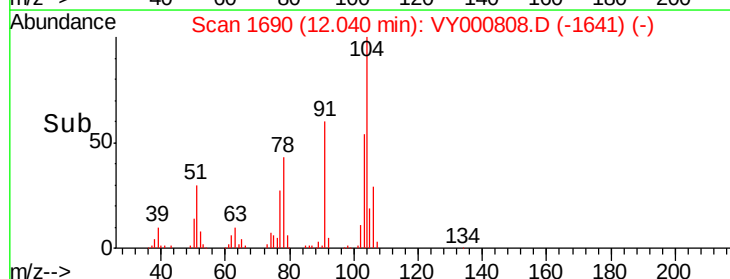
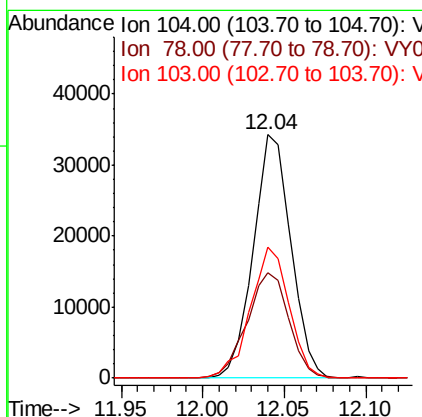
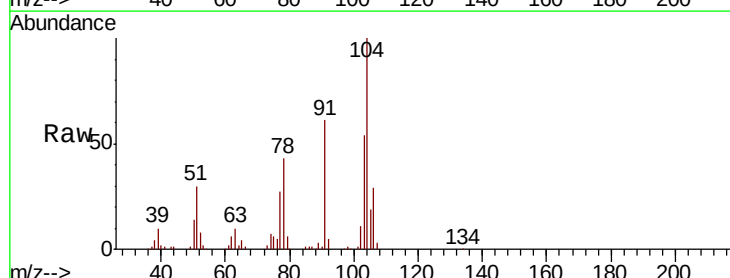
Manual Integrations
APPROVED

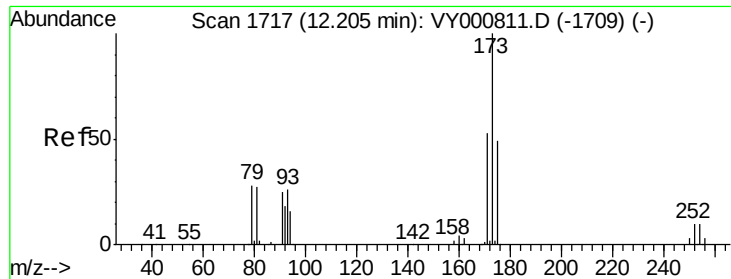
MMDadoda
12/2/2019 11:37:43 AM



#70
Styrene
Concen: 4.742 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	38.2	57.4	
103	55.1	43.4	65.0	





#71

Bromoform

Concen: 4.340 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

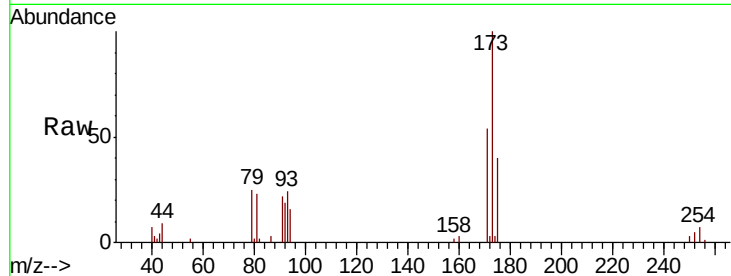
ClientSampleId :

VSTDIC005

Tot Ion:	173	Resp:	8763
Ion Ratio	Lower	Upper	
173	100		
175	48.9	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM

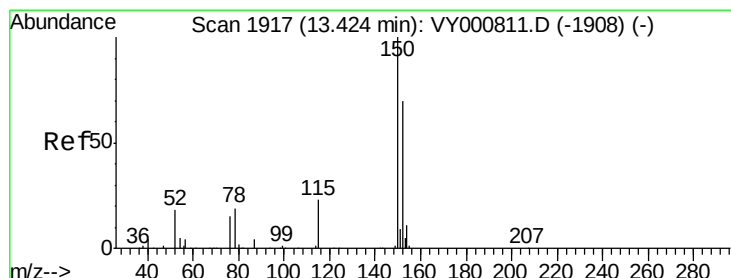
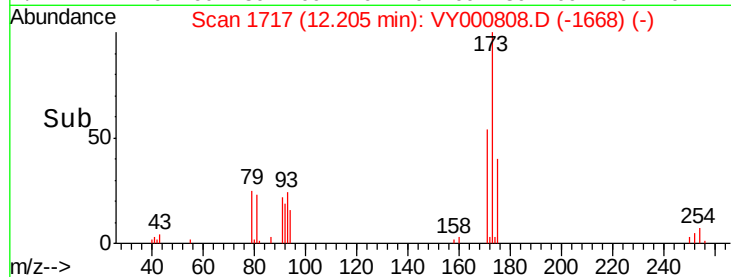
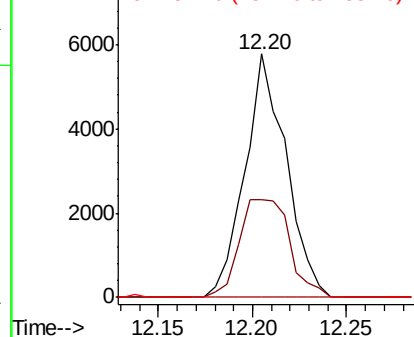


Abundance

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

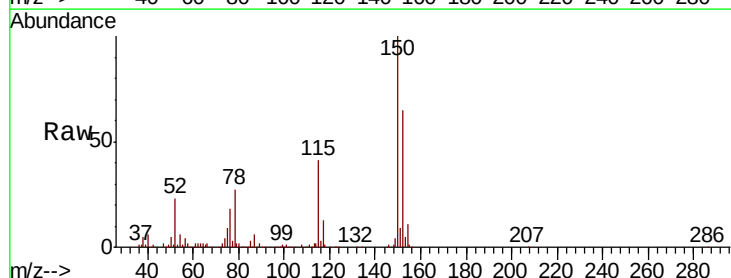
RT: 13.42 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Tgt Ion:	152	Resp:	227240
Ion Ratio	Lower	Upper	
152	100		
115	60.7	29.3	87.8
150	157.4	0.0	351.2

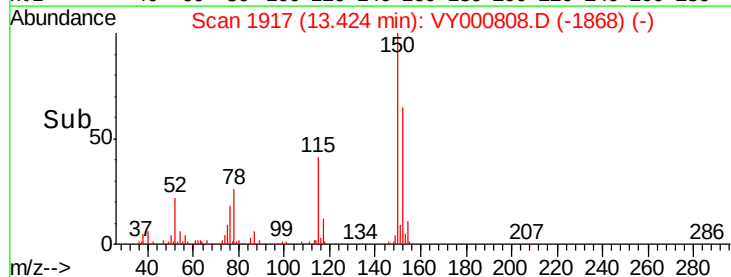
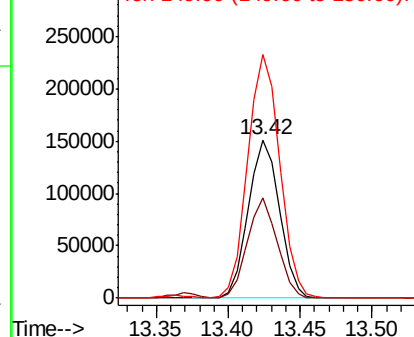


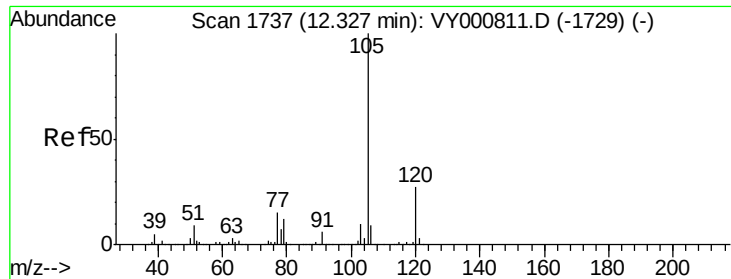
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





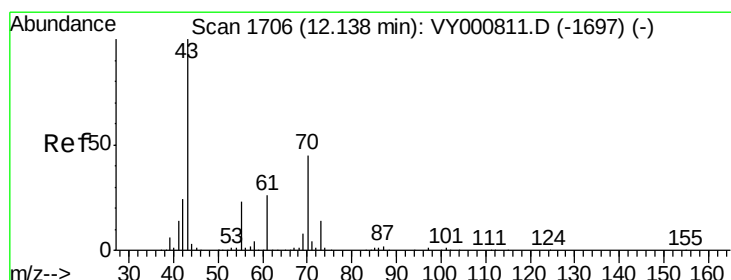
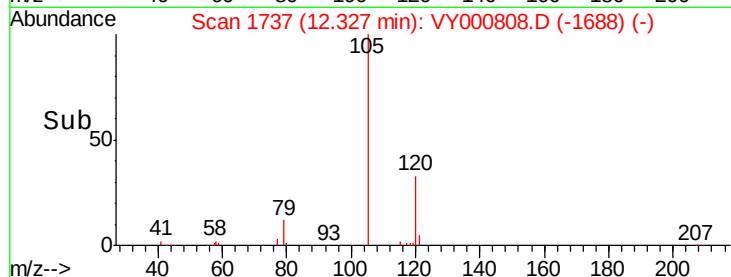
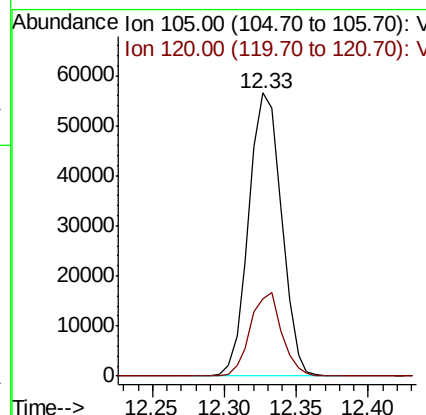
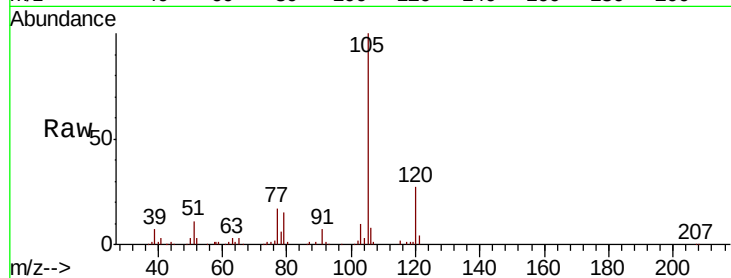
#73
Isopropylbenzene
Concen: 5.212 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	28.0	13.4	40.2

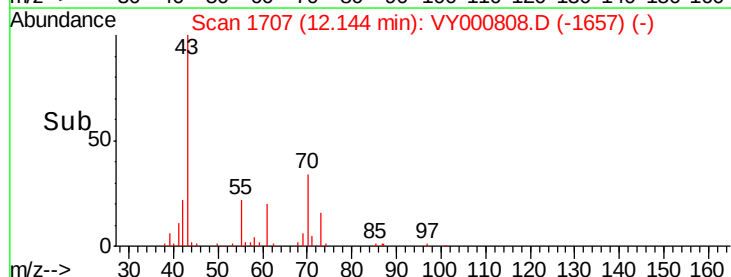
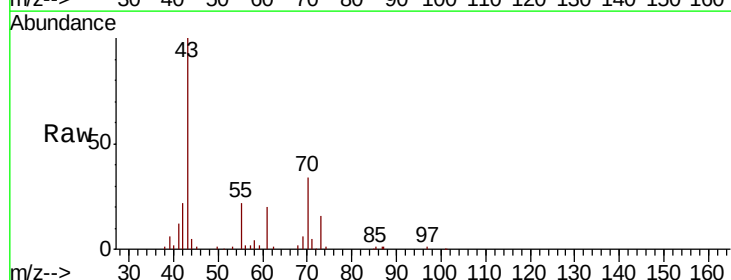
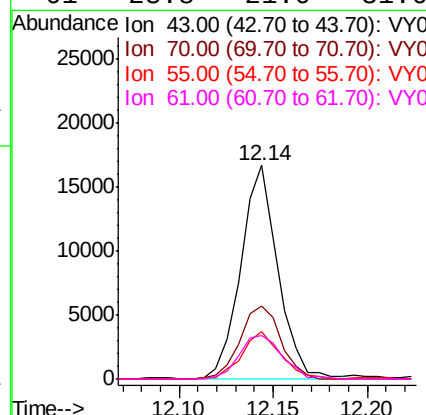
Manual Integrations
APPROVED

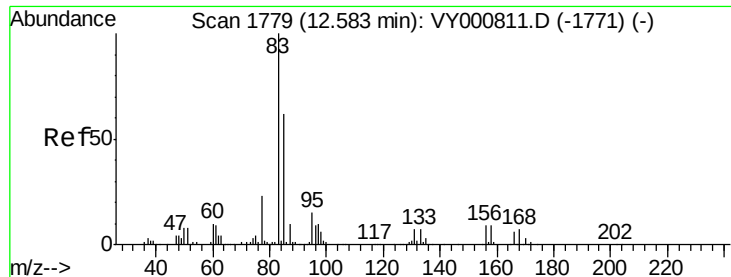
MMDadoda
12/2/2019 11:37:43 AM



#74
N-ethyl acetate
Concen: 4.649 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. 0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.4	36.6	54.8
55	23.4	18.8	28.2
61	23.8	21.0	31.6





#75

1,1,2,2-Tetrachloroethane

Concen: 4.650 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

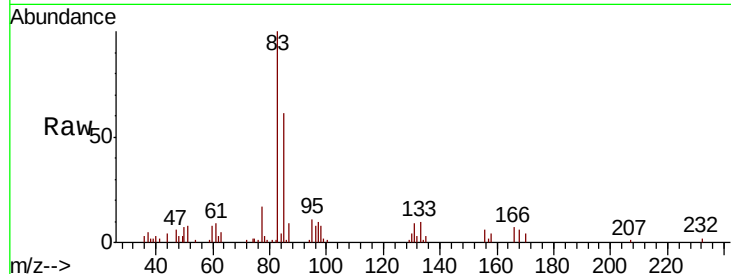
ClientSampleId :

VSTDIC005

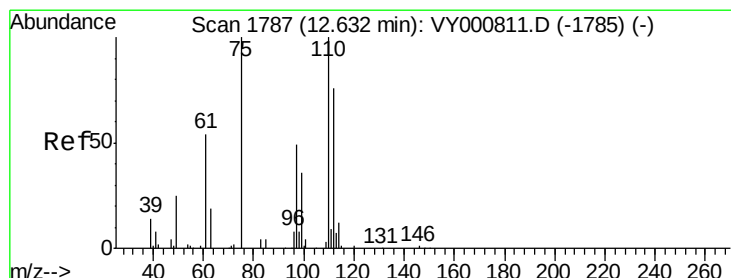
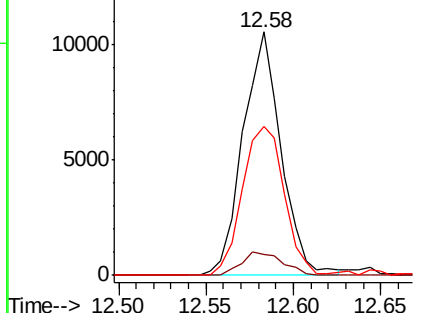
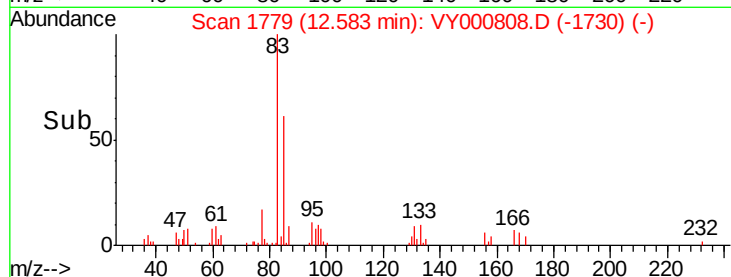
Tot Ion:	83	Resp:	15944
Ion Ratio	Lower	Upper	
83	100		
131	10.1	4.3	13.1
85	67.1	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM



Abundance Ion 82.90 (82.60 to 83.60): VY000808.D (-1730) (-)



#76

1,2,3-Trichloropropane

Concen: 4.741 ug/l m

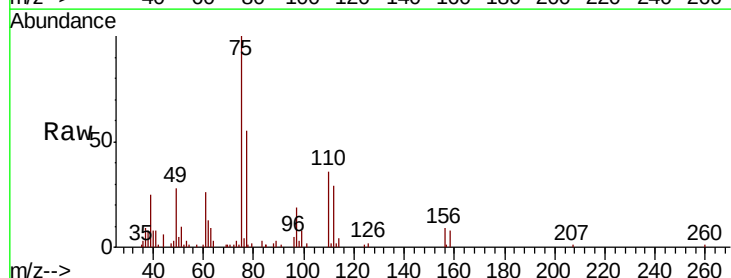
RT: 12.63 min Scan# 1787

Delta R.T. -0.00 min

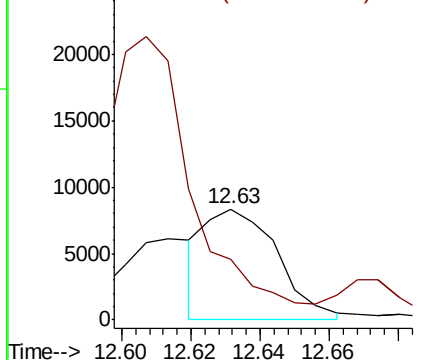
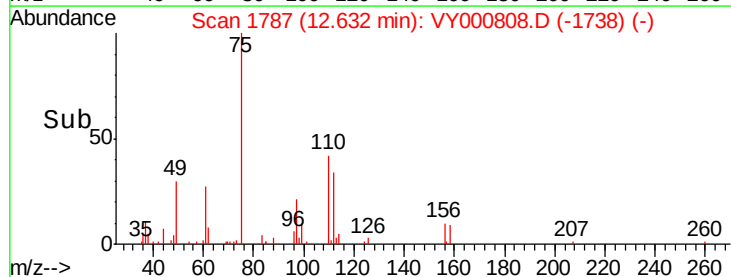
Lab File: VY000808.D

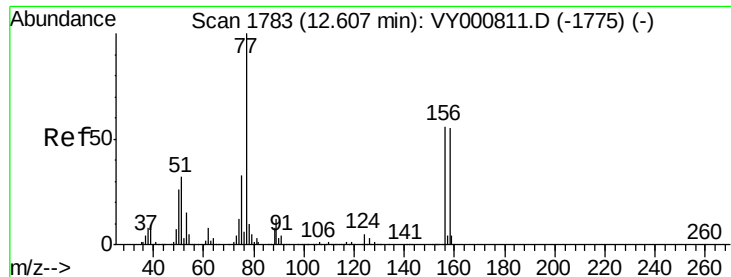
Acq: 27 Nov 2019 10:12

Tgt Ion:	75	Resp:	12103
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VY000808.D (-1738) (-)





#77

Bromobenzene

Concen: 5.053 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

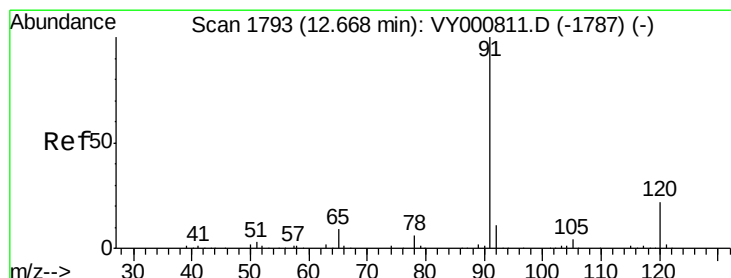
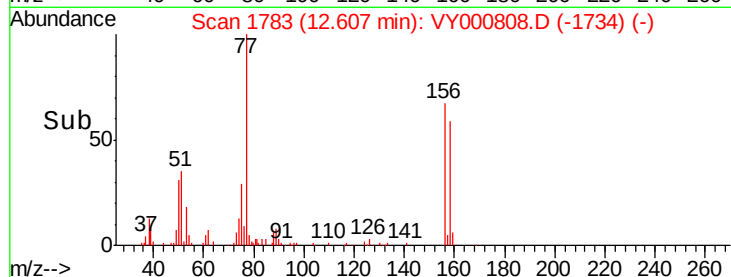
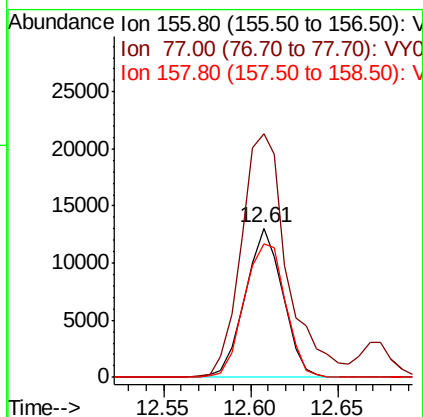
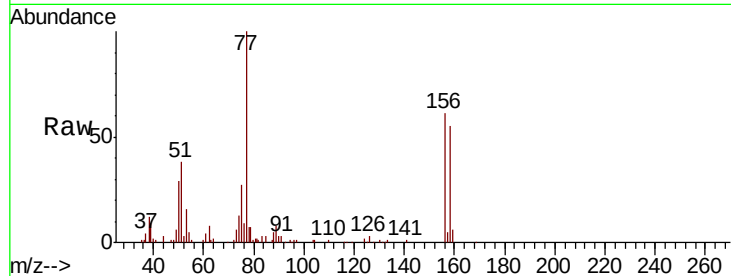
ClientSampleId :

VSTDIC005

Tot Ion	156	Resp	19554
Ion	Ratio	Lower	Upper
156	100		
77	201.1	102.6	307.7
158	97.5	47.6	142.8

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM



#78

n-propylbenzene

Concen: 5.300 ug/l

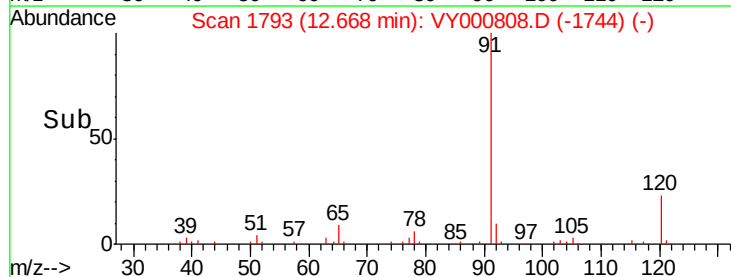
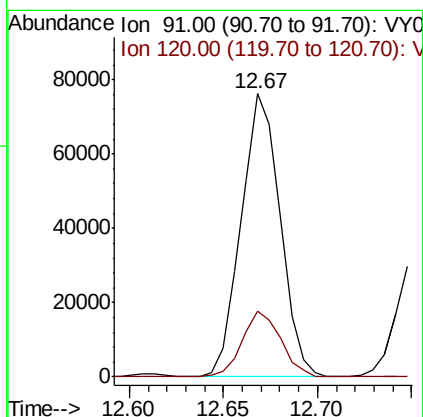
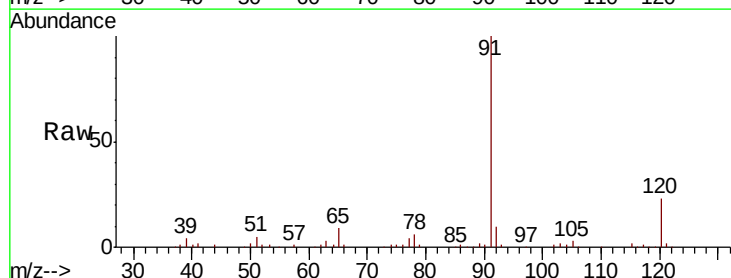
RT: 12.67 min Scan# 1793

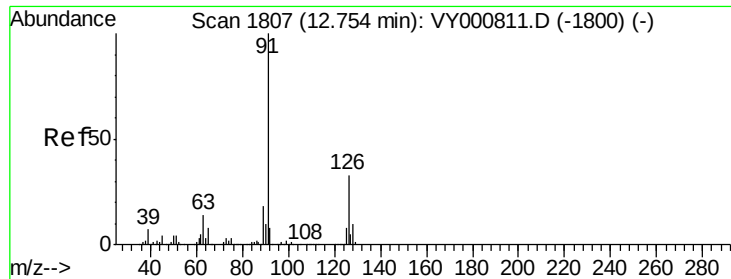
Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Tgt Ion	91	Resp	109617
Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 5.534 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 63517

Ion Ratio Lower Upper

91 100

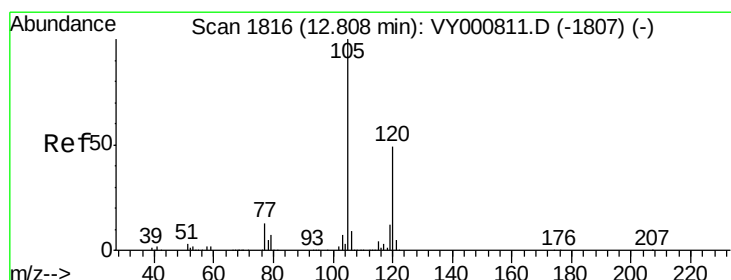
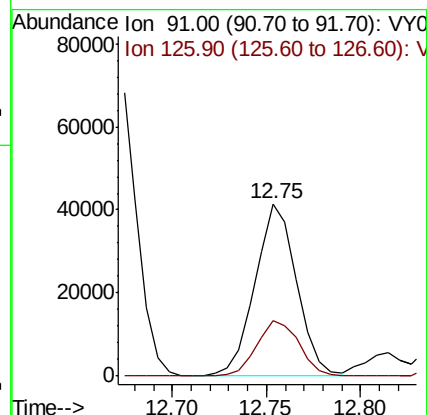
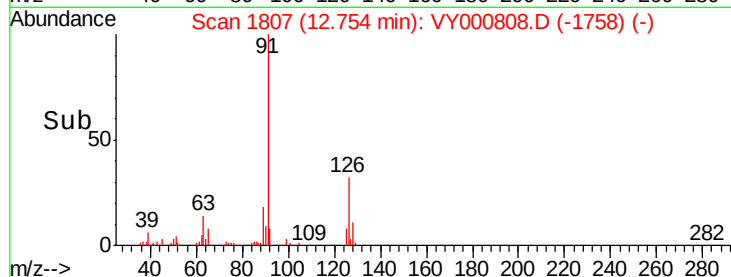
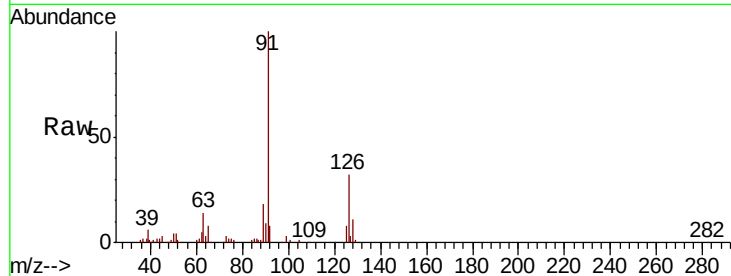
126 33.0 17.0 51.0

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM



#80

1,3,5-Trimethylbenzene

Concen: 5.310 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.01 min

Lab File: VY000808.D

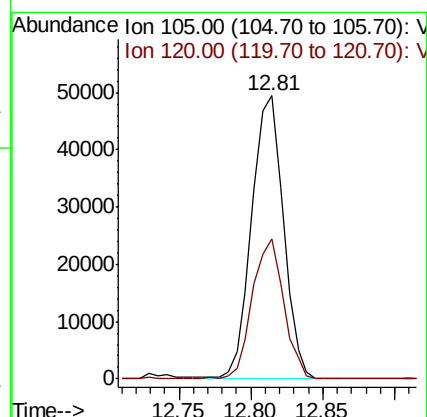
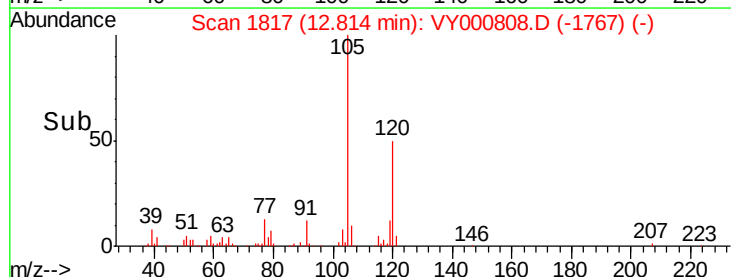
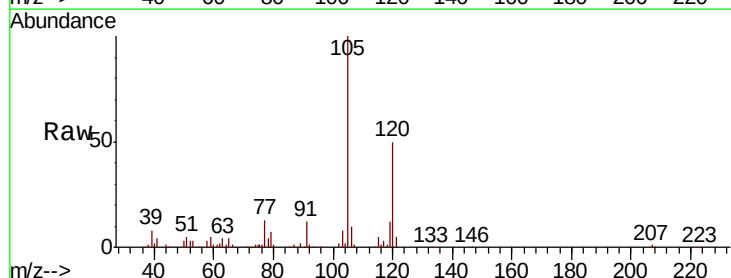
Acq: 27 Nov 2019 10:12

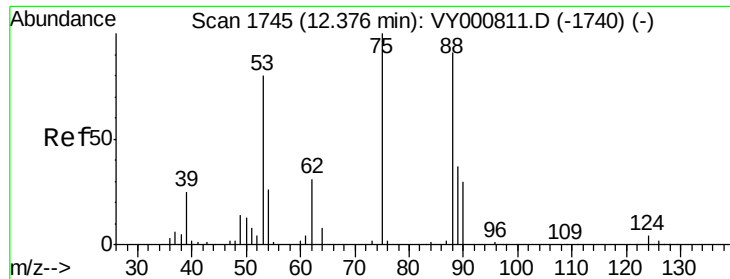
Tgt Ion: 105 Resp: 75460

Ion Ratio Lower Upper

105 100

120 48.8 24.6 74.0





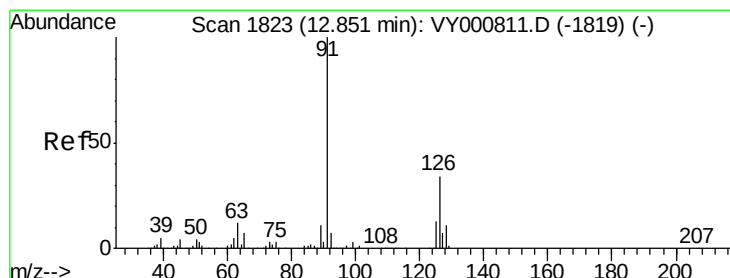
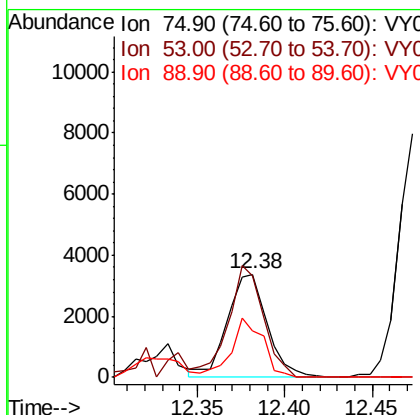
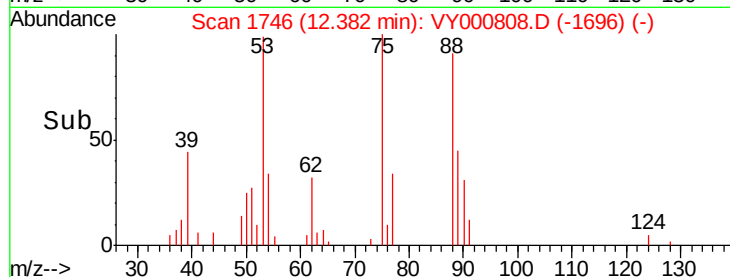
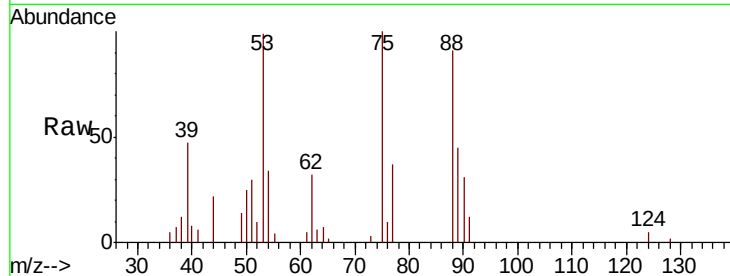
#81
trans-1,4-Dichloro-2-butene
Concen: 4.434 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.4	64.6	96.8
89	45.6	33.6	50.4

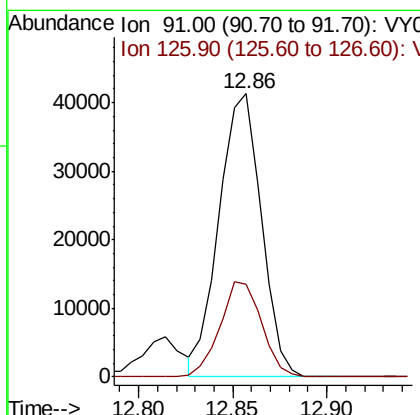
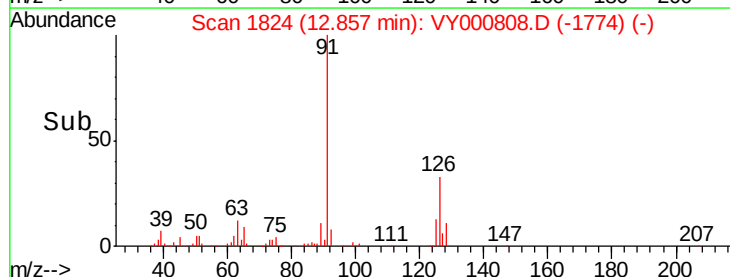
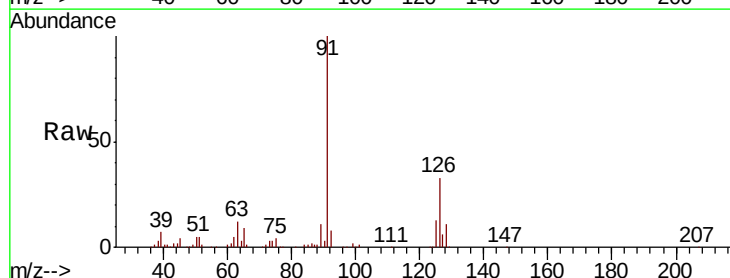
Manual Integrations
APPROVED

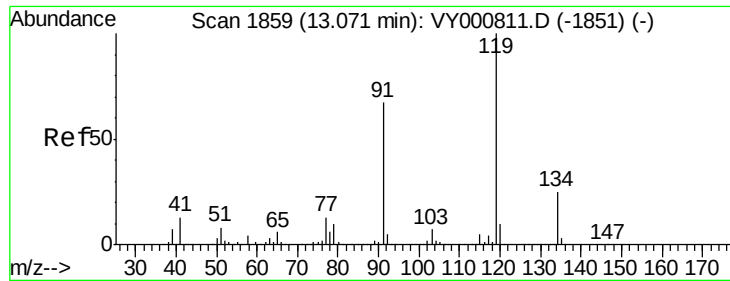
MMDadoda
12/2/2019 11:37:43 AM



#82
4-Chlorotoluene
Concen: 5.430 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	17.3	51.9





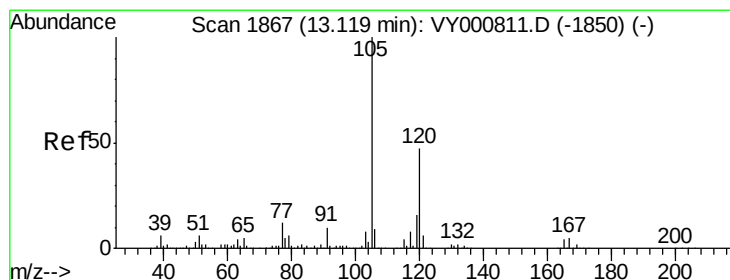
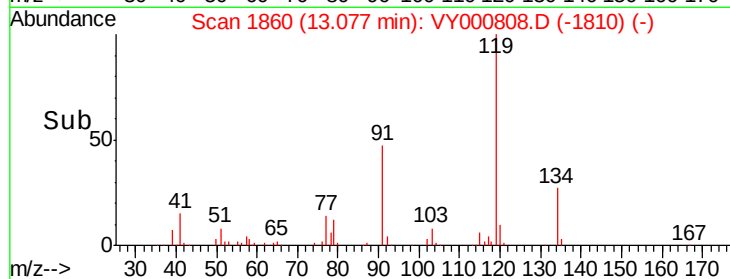
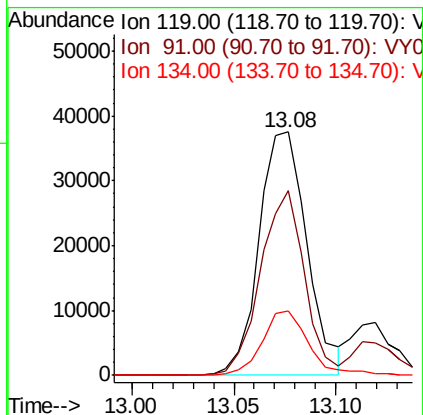
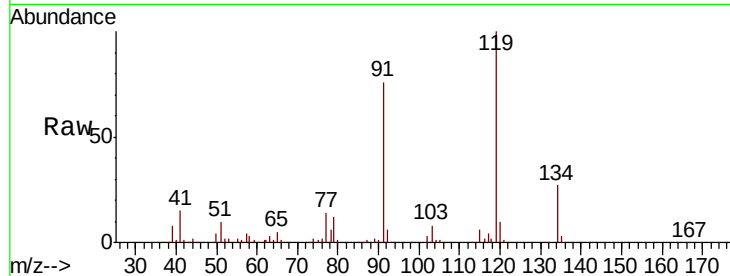
#83
tert-Butylbenzene
Concen: 5.098 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	32.3	96.8
134	25.5	12.9	38.7

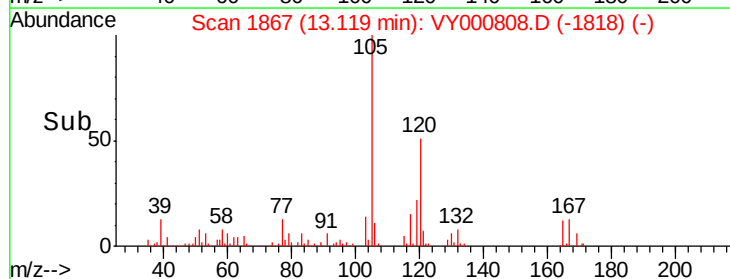
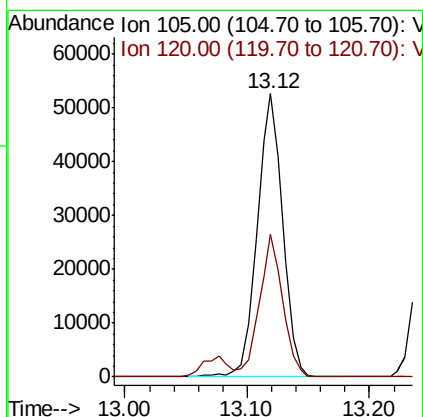
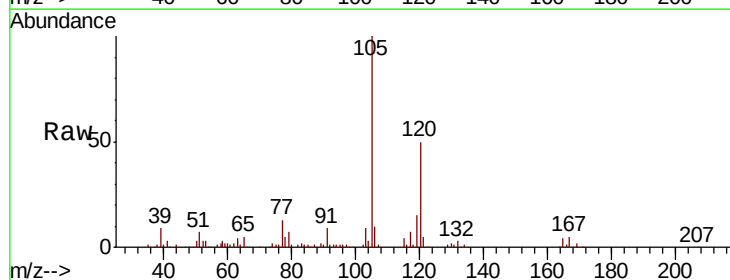
Manual Integrations
APPROVED

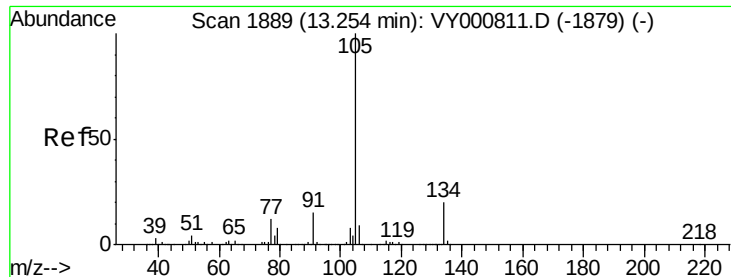
MMDadoda
12/2/2019 11:37:43 AM



#84
1,2,4-Trimethylbenzene
Concen: 5.389 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	22.6	67.8





#85

sec-Butylbenzene

Concen: 5.274 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 90965

Ion Ratio Lower Upper

105 100

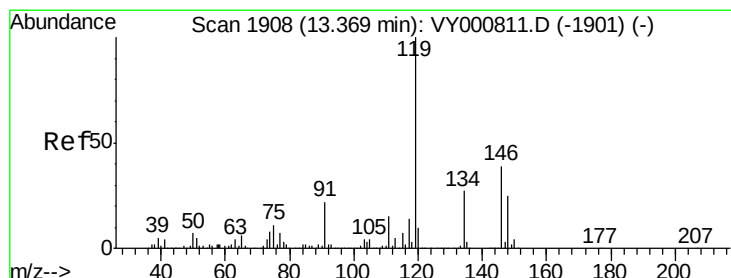
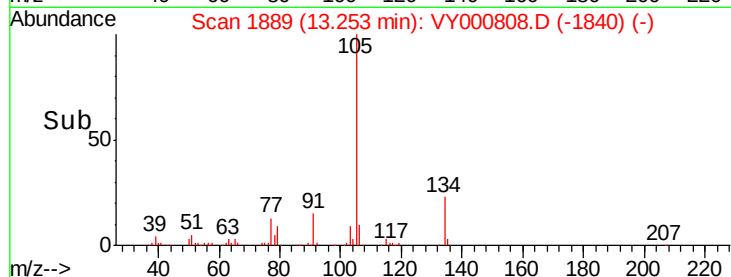
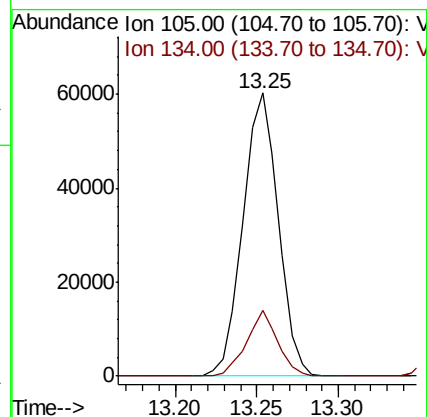
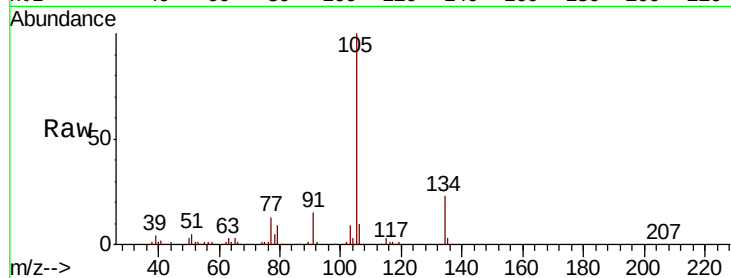
134 20.5 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

12/2/2019 11:37:43 AM



#86

p-Isopropyltoluene

Concen: 5.101 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000808.D

Acq: 27 Nov 2019 10:12

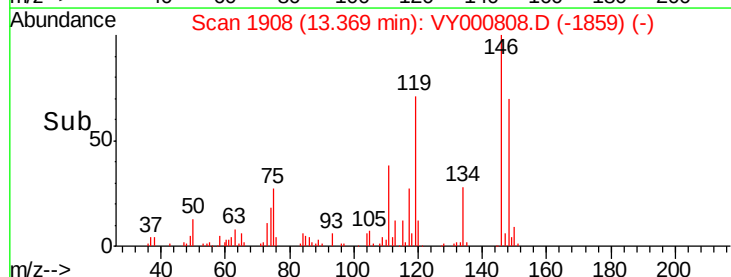
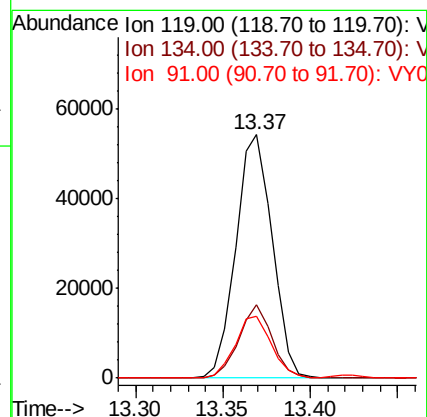
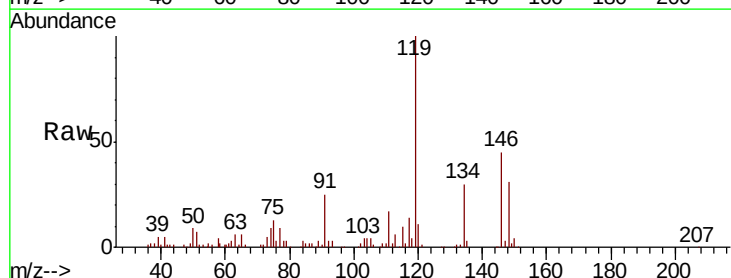
Tgt Ion:119 Resp: 78291

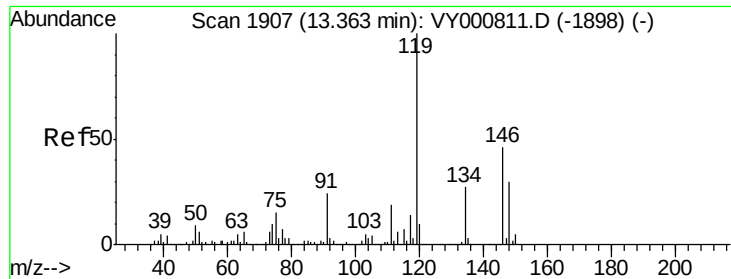
Ion Ratio Lower Upper

119 100

134 27.5 13.5 40.4

91 25.4 11.5 34.5





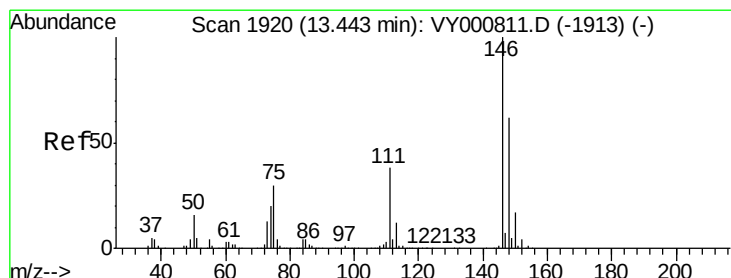
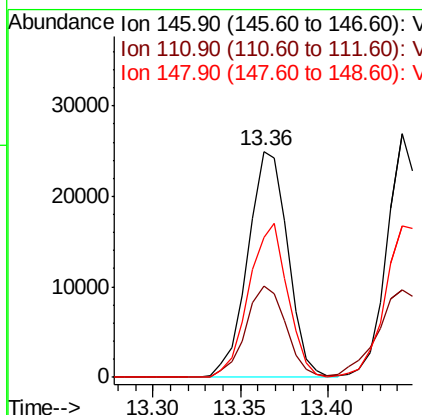
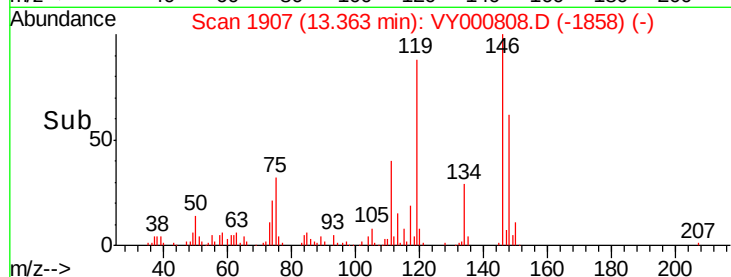
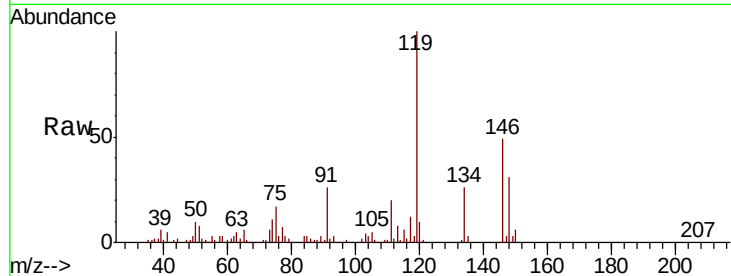
#87
 1,3-Dichlorobenzene
 Concen: 5.272 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	65.6	32.1	96.5

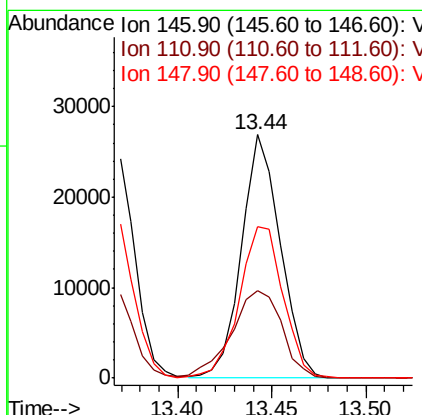
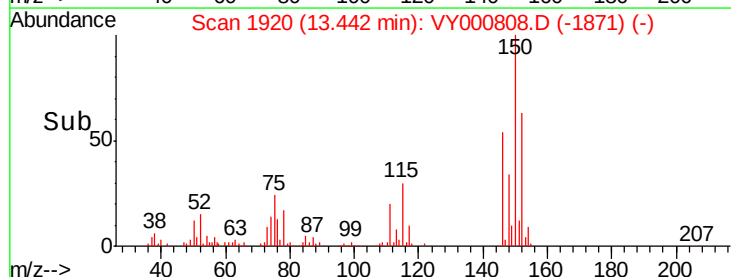
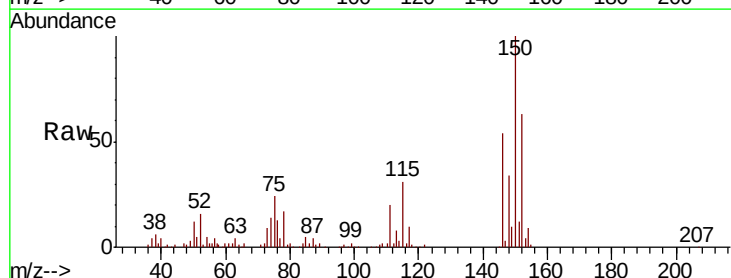
Manual Integrations
 APPROVED

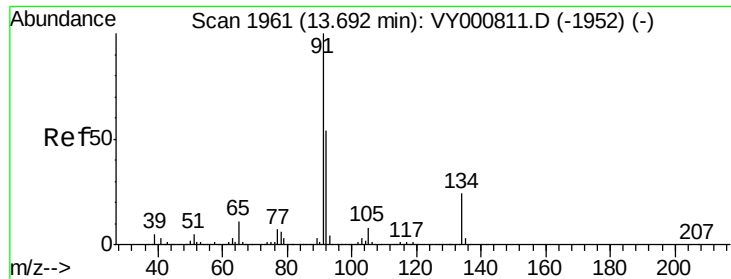
MMDadoda
 12/2/2019 11:37:43 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.108 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.8	20.0	59.9
148	70.3	31.7	95.1





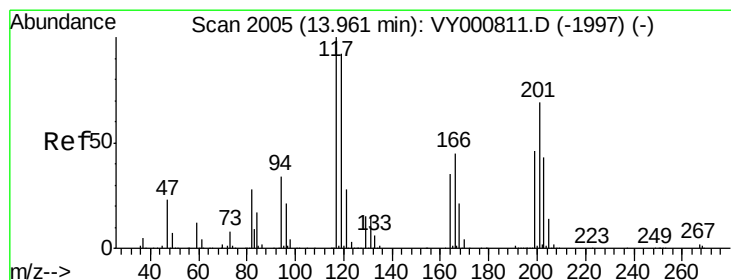
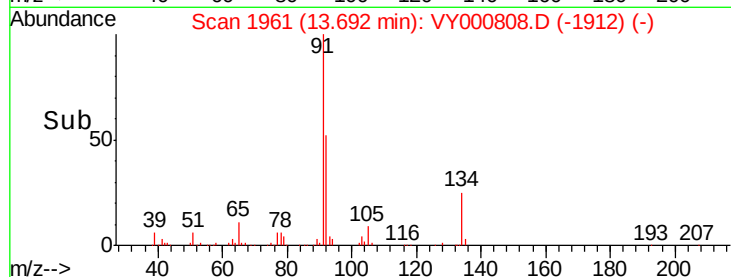
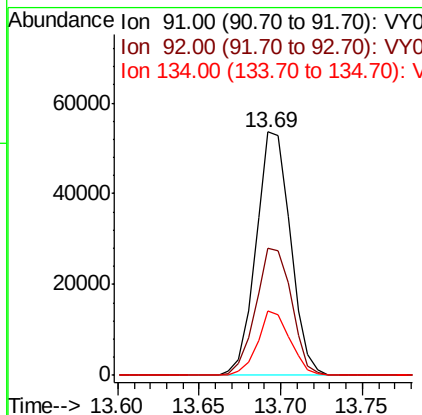
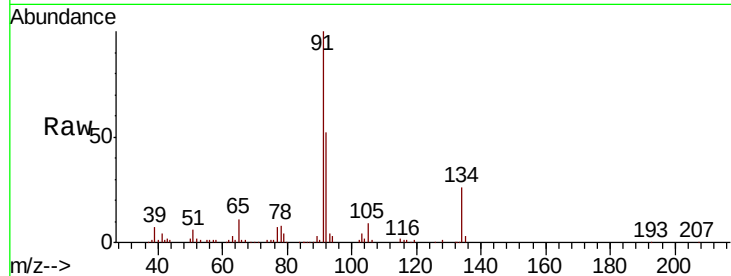
#89
n-Butylbenzene
Concen: 5.171 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.9	80.7
134	25.2	12.6	37.6

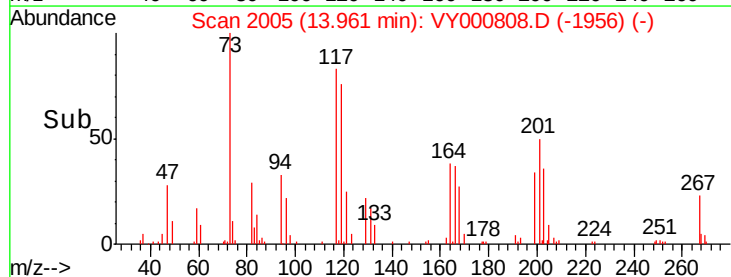
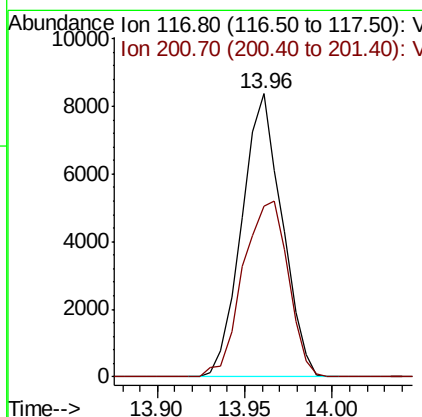
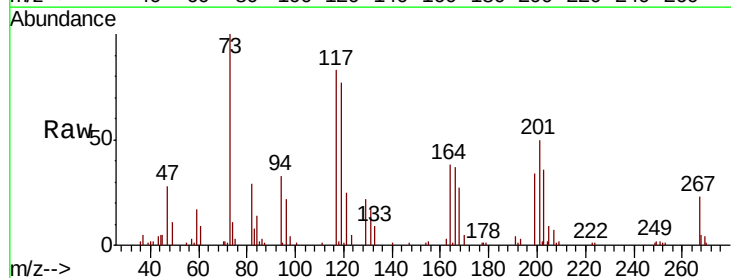
Manual Integrations
APPROVED

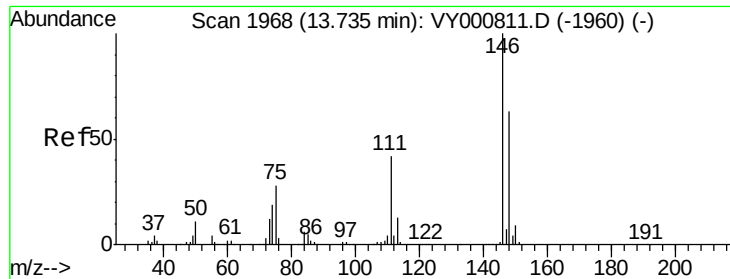
MMDadoda
12/2/2019 11:37:43 AM



#90
Hexachloroethane
Concen: 4.696 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.9	34.0	102.0





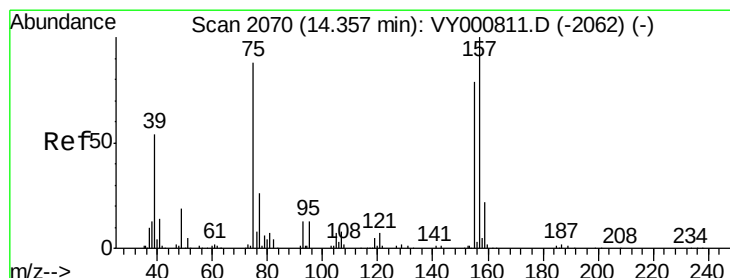
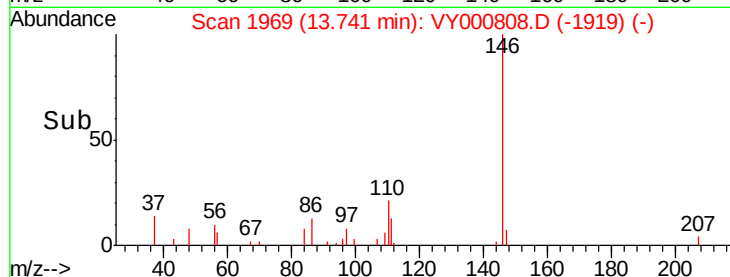
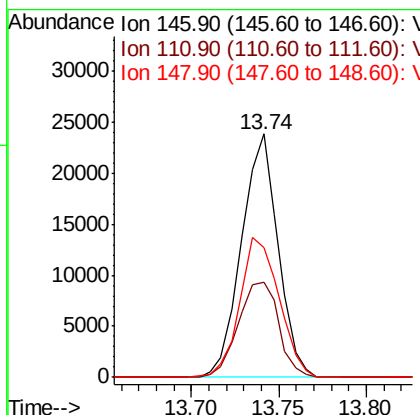
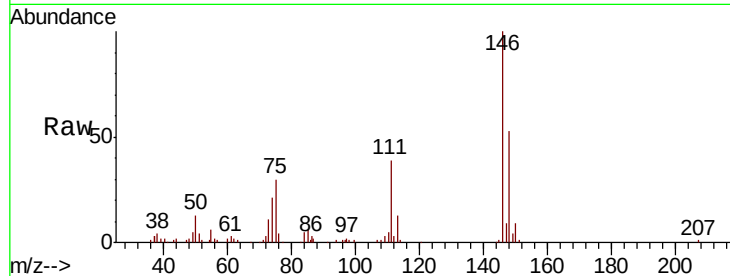
#91
 1,2-Dichlorobenzene
 Concen: 5.078 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.01 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.9	62.7
148	61.6	32.1	96.3

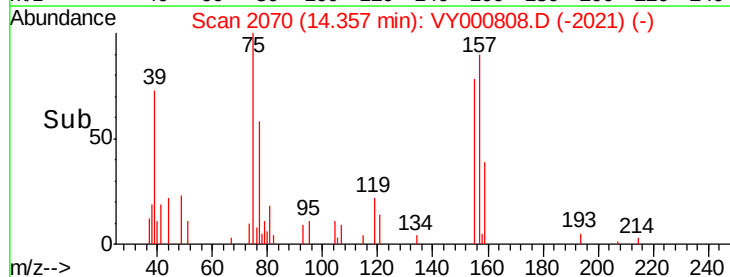
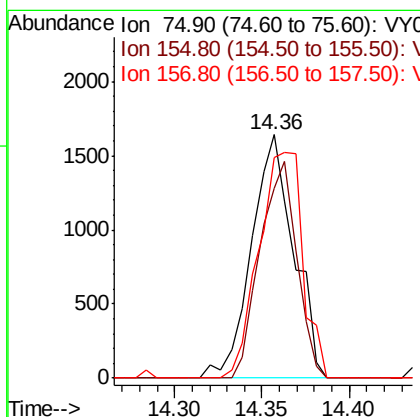
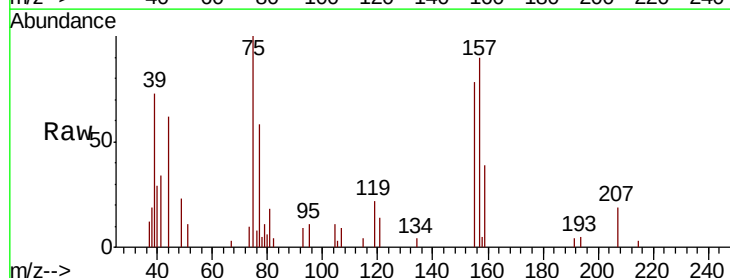
Manual Integrations
 APPROVED

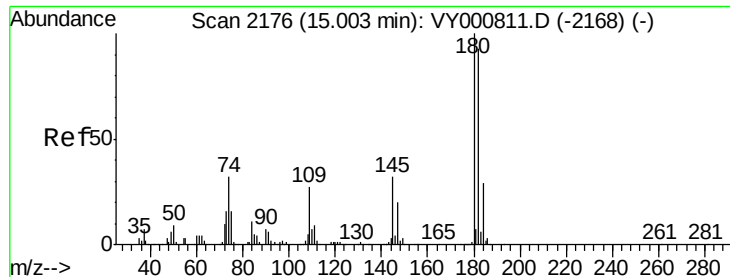
MMDadoda
 12/2/2019 11:37:43 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.599 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.3	44.3	132.9
157	96.1	56.3	168.9





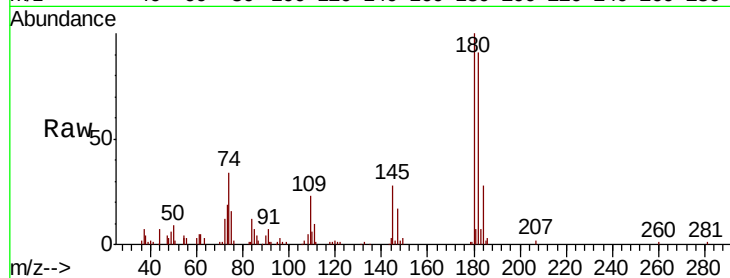
#93
 1,2,4-Trichlorobenzene
 Concen: 4.988 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	141.9
145	31.8	16.0	47.9

Manual Integrations
 APPROVED

MMDadoda
 12/2/2019 11:37:43 AM

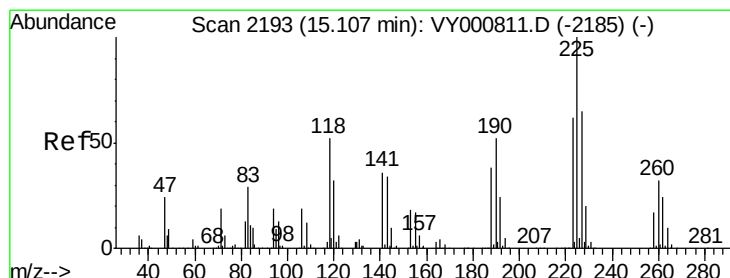
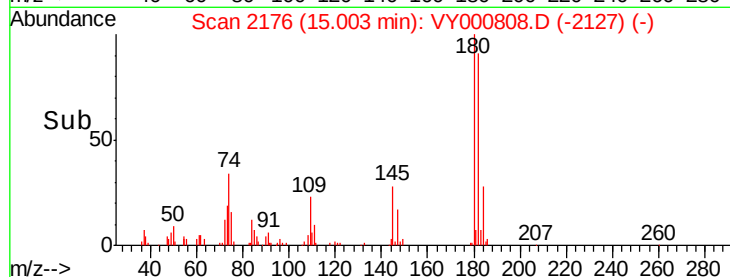
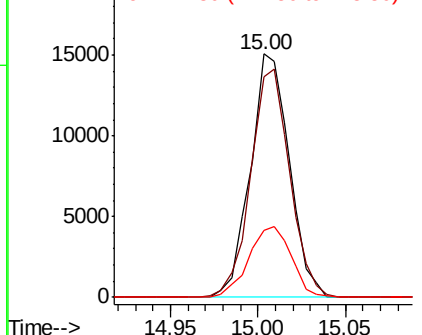


Abundance

Ion 179.80 (179.50 to 180.50): V

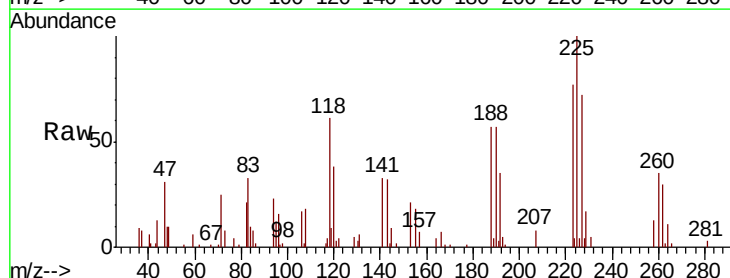
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 4.828 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY000808.D
 Acq: 27 Nov 2019 10:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	73.1	31.4	94.3
227	69.5	31.8	95.3

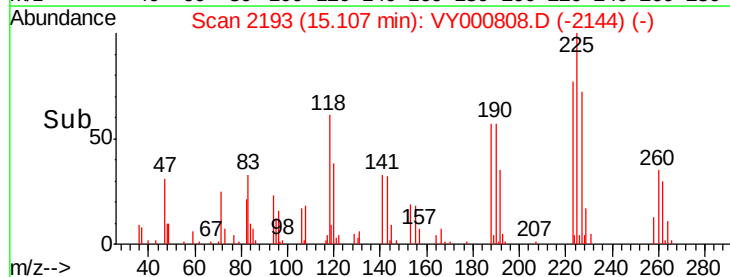
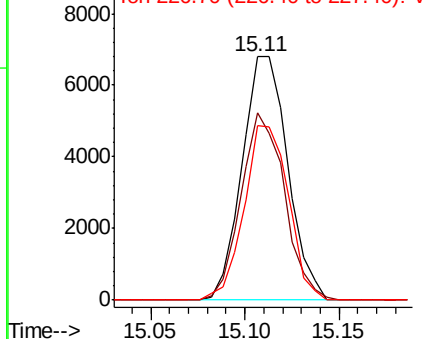


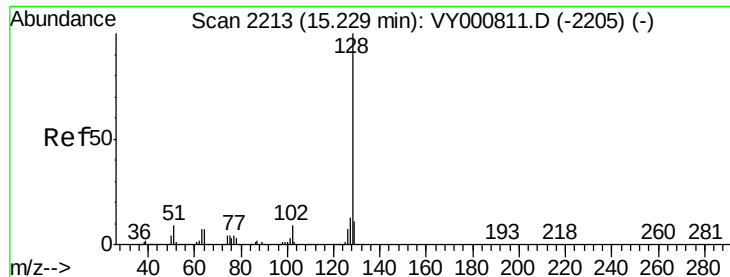
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





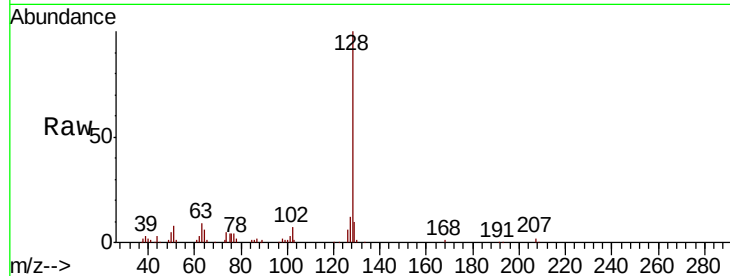
#95
Naphthalene
Concen: 4.641 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

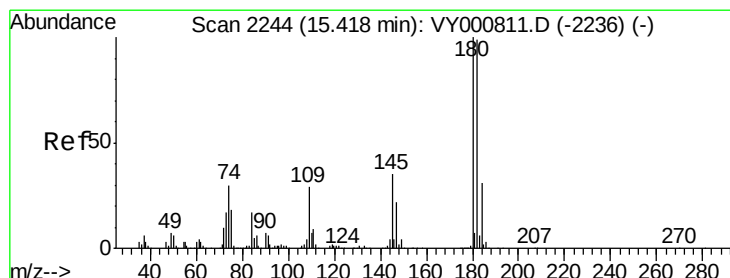
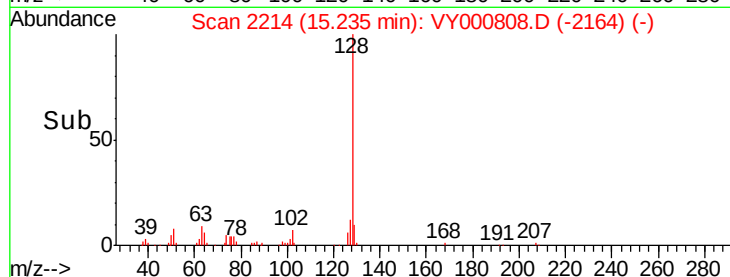
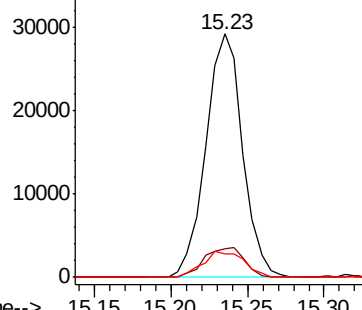
Tot Ion:	128	Resp:	48657
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	12.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/2/2019 11:37:43 AM

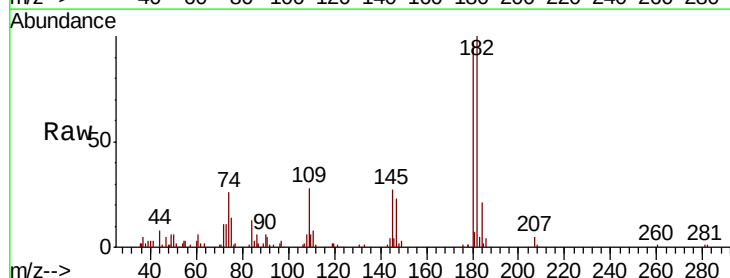


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 5.093 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.01 min
Lab File: VY000808.D
Acq: 27 Nov 2019 10:12

Tgt Ion:	180	Resp:	21201
Ion Ratio	Lower	Upper	
180	100		
182	99.0	48.0	144.0
145	30.6	16.9	50.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

