

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY100819\
 Data File : VY000219.D
 Acq On : 08 Oct 2019 13:00
 Operator : SY/MD
 Sample : VSTDIC005
 Misc : 5.0ml/MSVOA Y/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 12:52:18 AM

Quant Time: Oct 08 15:04:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y100819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 08 14:14:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	280543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	460783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	405829	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	184337	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	15885	5.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.82%	
35) Dibromofluoromethane	7.73	113	12975	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	10.19	98	47519	4.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.74%	
62) 4-Bromofluorobenzene	12.48	95	16784	4.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	11087	5.190	ug/l	90
3) Chloromethane	2.12	50	15515	5.979	ug/l	99
4) Vinyl Chloride	2.25	62	16321	5.790	ug/l	93
5) Bromomethane	2.62	94	13450	5.933	ug/l	98
6) Chloroethane	2.78	64	10812	5.971	ug/l	95
7) Trichlorofluoromethane	3.12	101	22606	5.690	ug/l	87
8) Diethyl Ether	3.53	74	10197	6.609	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.89	101	12497	5.343	ug/l	97
10) Methyl Iodide	4.10	142	11836	3.768	ug/l	94
11) Tert butyl alcohol	4.97	59	45681	33.763	ug/l	96
12) 1,1-Dichloroethene	3.88	96	13459	5.613	ug/l	95
13) Acrolein	3.73	56	27809	52.338	ug/l	99
14) Allyl chloride	4.49	41	21497m	6.017	ug/l	
15) Acrylonitrile	5.17	53	71431	32.160	ug/l	98
16) Acetone	3.95	43	59487	33.541	ug/l	96
17) Carbon Disulfide	4.19	76	35236	5.356	ug/l #	92
18) Methyl Acetate	4.49	43	33006	6.807	ug/l	96
19) Methyl tert-butyl Ether	5.23	73	48198	6.234	ug/l	98
20) Methylene Chloride	4.71	84	16258	5.914	ug/l	88
21) trans-1,2-Dichloroethene	5.22	96	14971	6.005	ug/l	87
22) Diisopropyl ether	6.13	45	49993	7.033	ug/l #	93
23) Vinyl Acetate	6.07	43	214782	32.433	ug/l	94
24) 1,1-Dichloroethane	6.03	63	25505	6.306	ug/l	98
25) 2-Butanone	7.00	43	107348	33.604	ug/l	93
26) 2,2-Dichloropropane	6.99	77	24591	6.162	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	18217	6.132	ug/l	92
28) Bromochloromethane	7.35	49	9515	8.244	ug/l	88
29) Tetrahydrofuran	7.36	42	73290	33.101	ug/l	95
30) Chloroform	7.52	83	26141	5.730	ug/l	93
31) Cyclohexane	7.79	56	28827	6.058	ug/l #	87
32) 1,1,1-Trichloroethane	7.71	97	23075	5.762	ug/l	95
36) 1,1-Dichloropropene	7.93	75	19434	5.259	ug/l	99
37) Ethyl Acetate	7.09	43	34175	5.898	ug/l	99
38) Carbon Tetrachloride	7.91	117	19209	4.832	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	24883	5.059	ug/l	93
40) Benzene	8.17	78	60610	5.475	ug/l	99
41) Methacrylonitrile	7.35	41	31029m	4.290	ug/l	
42) 1,2-Dichloroethane	8.25	62	19715	5.483	ug/l	96
43) Isopropyl Acetate	8.28	43	46460	6.189	ug/l	97
44) Trichloroethene	8.94	130	17668	4.971	ug/l	90
45) 1,2-Dichloropropane	9.23	63	15064	5.584	ug/l	99
46) Dibromomethane	9.32	93	11506	5.738	ug/l #	82
47) Bromodichloromethane	9.50	83	20823	5.472	ug/l	94
48) Methyl methacrylate	9.30	41	20662	6.407	ug/l	92
49) 1,4-Dioxane	9.30	88	10773	106.595	ug/l #	83
51) 4-Methyl-2-Pentanone	10.08	43	171909	30.965	ug/l	99
52) Toluene	10.25	92	37578	5.186	ug/l	97
53) t-1,3-Dichloropropene	10.47	75	22950	5.370	ug/l	99
54) cis-1,3-Dichloropropene	9.94	75	24699	5.396	ug/l	97
55) 1,1,2-Trichloroethane	10.64	97	15629	5.257	ug/l	94
56) Ethyl methacrylate	10.52	69	25100	5.550	ug/l	92
57) 1,3-Dichloropropane	10.79	76	25625	5.426	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.79	63	61882	24.053	ug/l	92
59) 2-Hexanone	10.84	43	143050	30.307	ug/l	99
60) Dibromochloromethane	10.99	129	15660	4.720	ug/l	95
61) 1,2-Dibromoethane	11.09	107	16085	4.992	ug/l	100
64) Tetrachloroethene	10.72	164	17173	4.765	ug/l	93
65) Chlorobenzene	11.52	112	40757	5.157	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.60	131	15453	5.215	ug/l	94
67) Ethyl Benzene	11.60	91	72515	5.315	ug/l	99
68) m/p-Xylenes	11.70	106	55740	10.361	ug/l	100
69) o-Xylene	12.03	106	27216	5.139	ug/l	96
70) Styrene	12.05	104	44191	5.040	ug/l	96
71) Bromoform	12.21	173	12195	4.669	ug/l #	99
73) Isopropylbenzene	12.33	105	67561	5.495	ug/l	95
74) N-amyl acetate	12.14	43	28889	6.070	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.58	83	23626	6.042	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	24940m	4.694	ug/l	
77) Bromobenzene	12.61	156	16892	5.239	ug/l	84
78) n-propylbenzene	12.67	91	77549	5.539	ug/l	98
79) 2-Chlorotoluene	12.75	91	45517	5.751	ug/l	97
80) 1,3,5-Trimethylbenzene	12.81	105	57100	5.523	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	8161	5.105	ug/l #	73
82) 4-Chlorotoluene	12.85	91	46847	5.789	ug/l	94
83) tert-Butylbenzene	13.08	119	51070	5.465	ug/l	94
84) 1,2,4-Trimethylbenzene	13.12	105	56150	5.477	ug/l	98
85) sec-Butylbenzene	13.25	105	67941	5.366	ug/l	95
86) p-Isopropyltoluene	13.37	119	59206	5.148	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	30196	5.085	ug/l	95
88) 1,4-Dichlorobenzene	13.44	146	29785	4.976	ug/l	87
89) n-Butylbenzene	13.70	91	53239	5.274	ug/l	96
90) Hexachloroethane	13.96	117	11162	5.156	ug/l	90
91) 1,2-Dichlorobenzene	13.74	146	30467	5.279	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	6909	5.420	ug/l	90

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ClientSampleId :
VSTDICC005

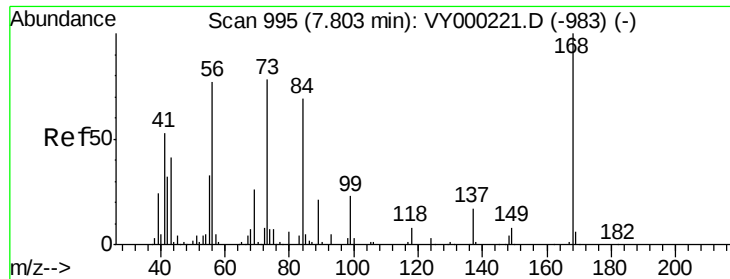
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	20777	5.007	ug/l	94
94) Hexachlorobutadiene	15.11	225	10506	4.738	ug/l	95
95) Naphthalene	15.23	128	75493	5.383	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	20280	4.898	ug/l	98

(#) = 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: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 280543

Ion Ratio Lower Upper

168 100

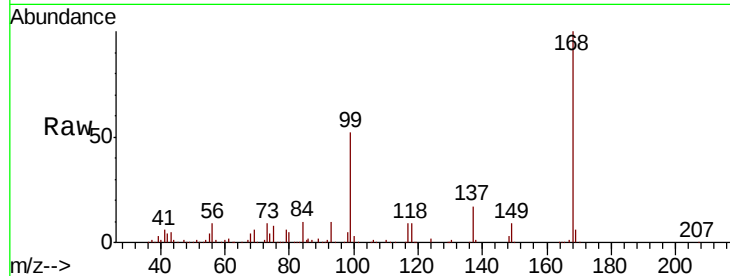
99 51.8 37.8 56.6

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Abundance Ion 167.90 (167.60 to 168.60): VY000221.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY000221.D (-983) (-)

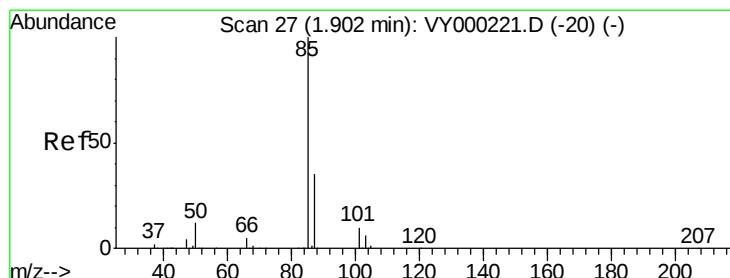
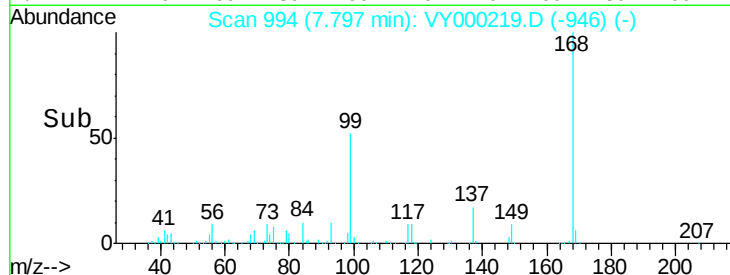
7.80

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.190 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY000219.D

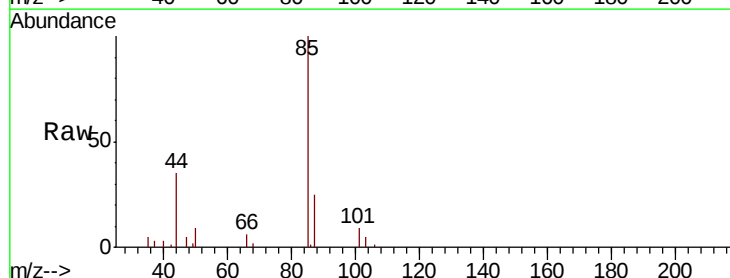
Acq: 08 Oct 2019 13:00

Tgt Ion: 85 Resp: 11087

Ion Ratio Lower Upper

85 100

87 25.1 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VY000221.D (-20) (-)

Ion 86.90 (86.60 to 87.60): VY000221.D (-20) (-)

1.90

8000

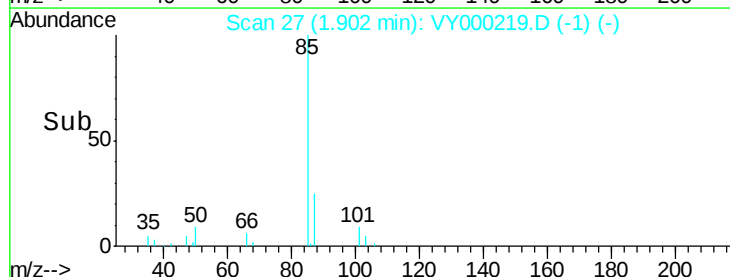
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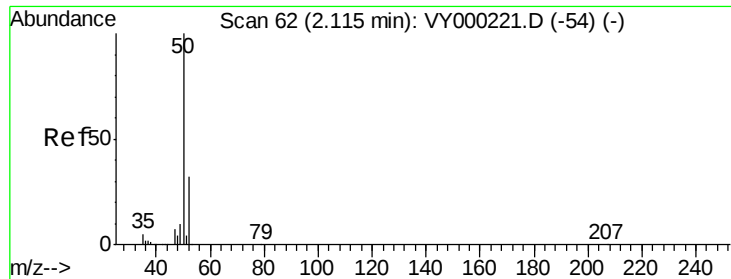
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.979 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 15515

Ion Ratio Lower Upper

50 100

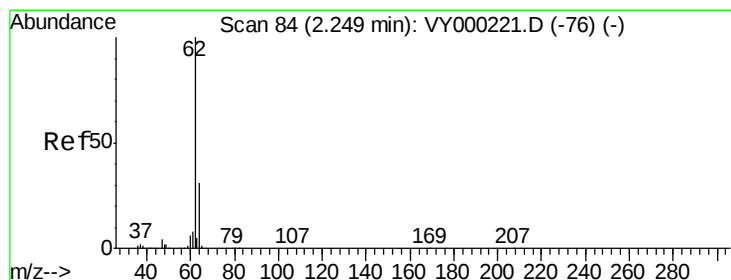
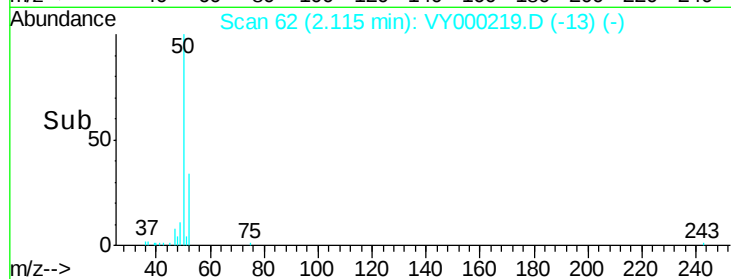
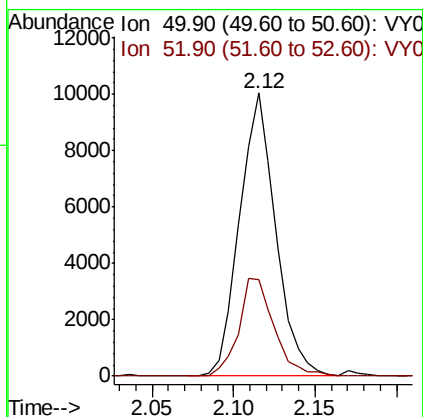
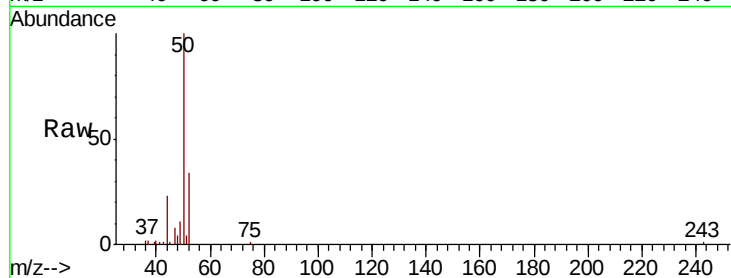
52 34.2 26.8 40.2

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#4

Vinyl Chloride

Concen: 5.790 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY000219.D

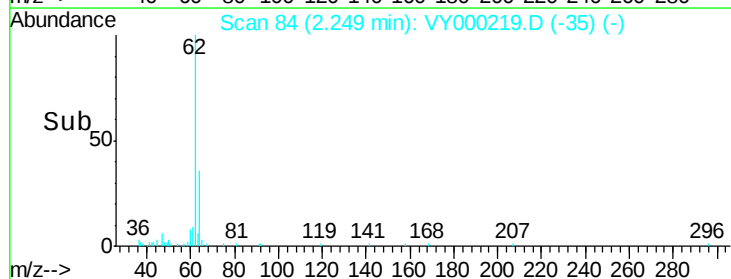
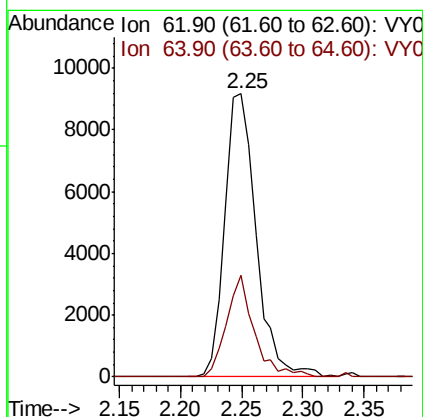
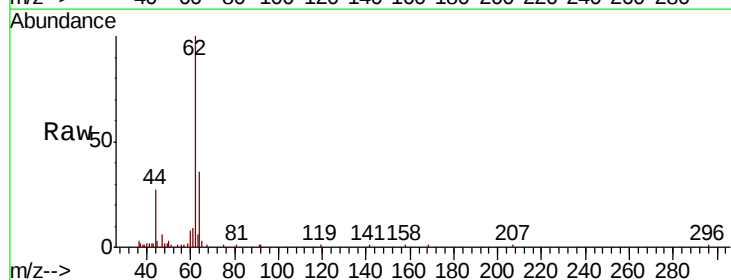
Acq: 08 Oct 2019 13:00

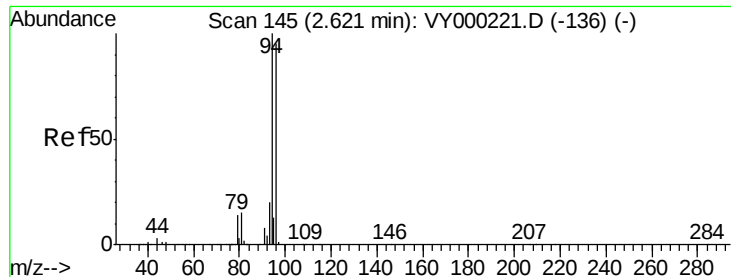
Tgt Ion: 62 Resp: 16321

Ion Ratio Lower Upper

62 100

64 36.1 25.9 38.9





#5

Bromomethane

Concen: 5.933 ug/l

RT: 2.62 min Scan# 145

Delta R.T. -0.02 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 13450

Ion Ratio Lower Upper

94 100

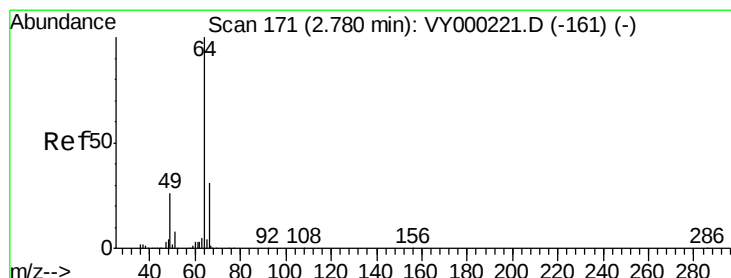
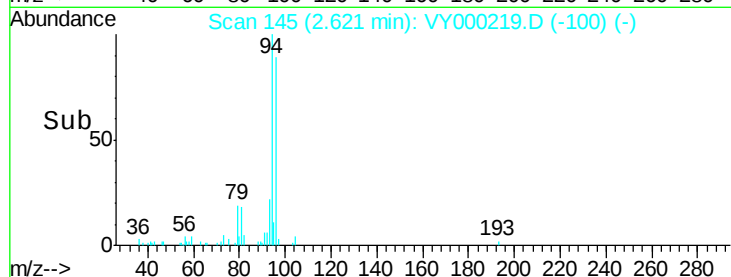
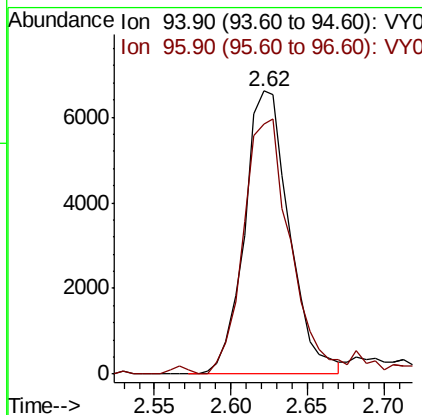
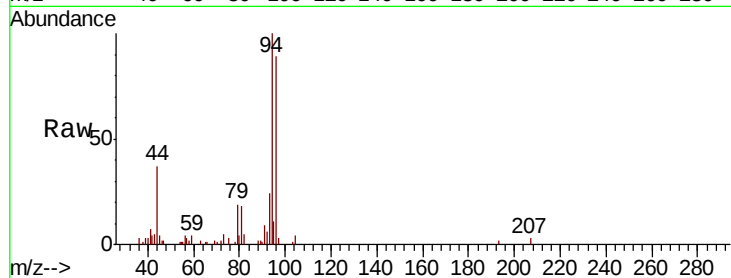
96 87.1 71.2 106.8

Manual Integrations

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#6

Chloroethane

Concen: 5.971 ug/l

RT: 2.78 min Scan# 171

Delta R.T. -0.01 min

Lab File: VY000219.D

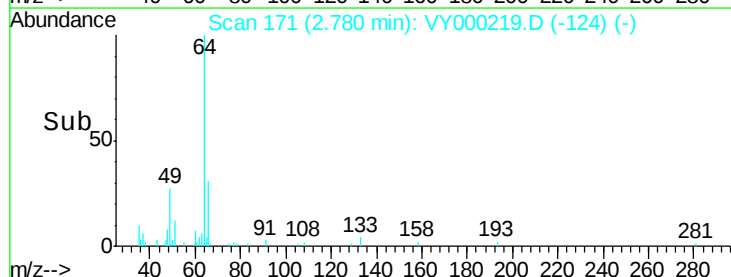
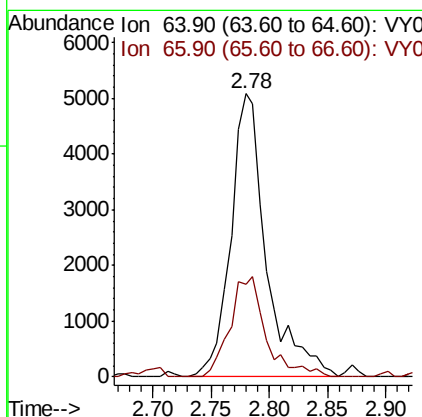
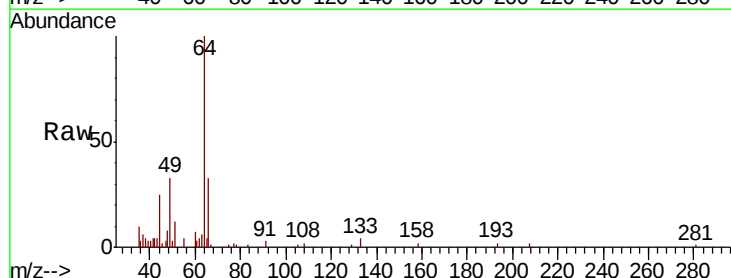
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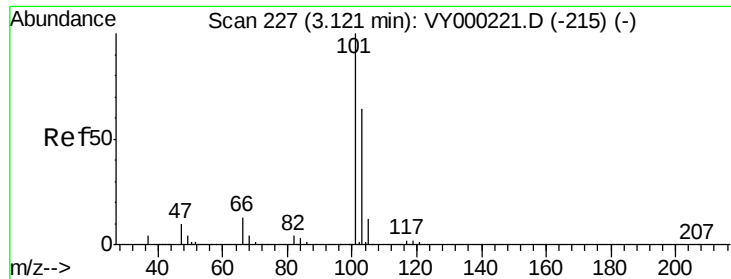
Tgt Ion: 64 Resp: 10812

Ion Ratio Lower Upper

64 100

66 32.7 28.6 42.8





#7

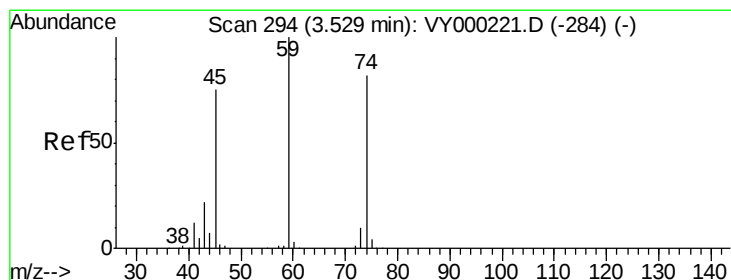
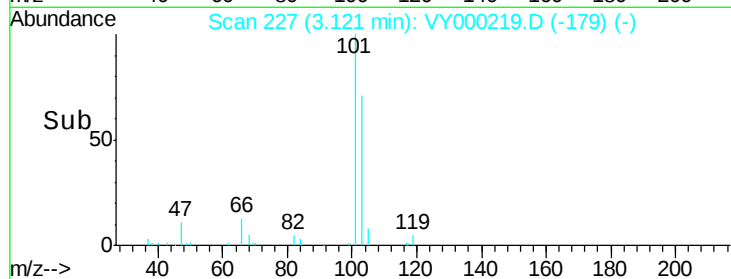
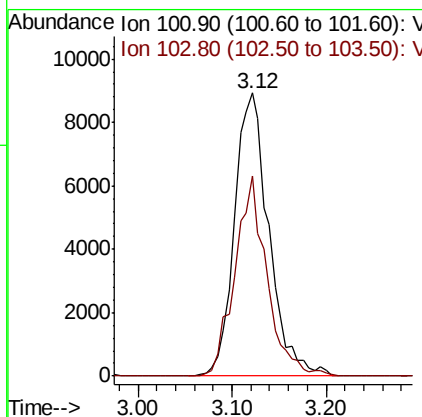
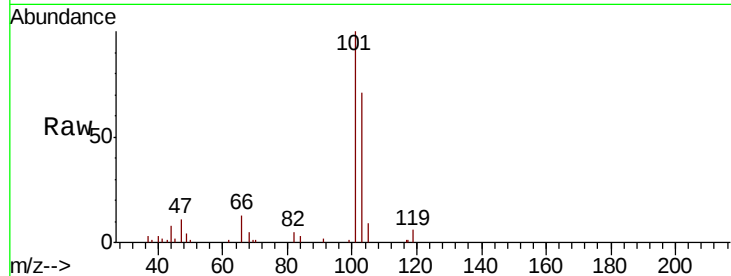
Trichlorofluoromethane
 Concen: 5.690 ug/l
 RT: 3.12 min Scan# 227
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
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 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.6	48.3	72.5

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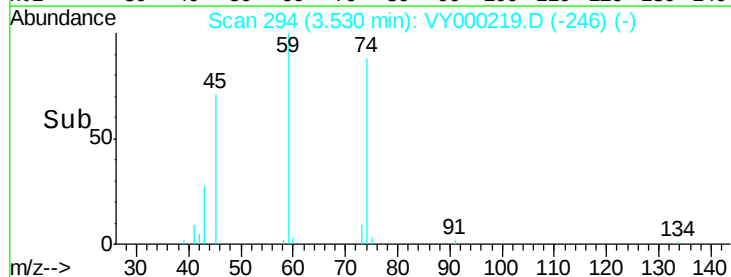
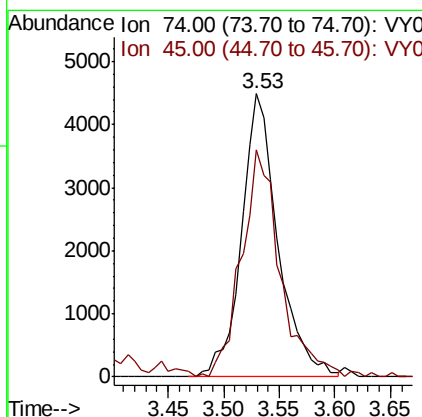
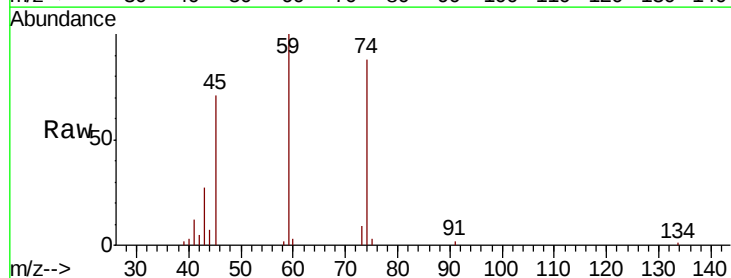
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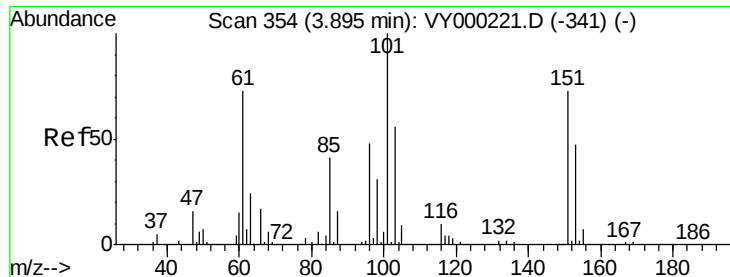


#8

Diethyl Ether
 Concen: 6.609 ug/l
 RT: 3.53 min Scan# 294
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	84.8	40.6	121.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.343 ug/l

RT: 3.89 min Scan# 353

Delta R.T. -0.01 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

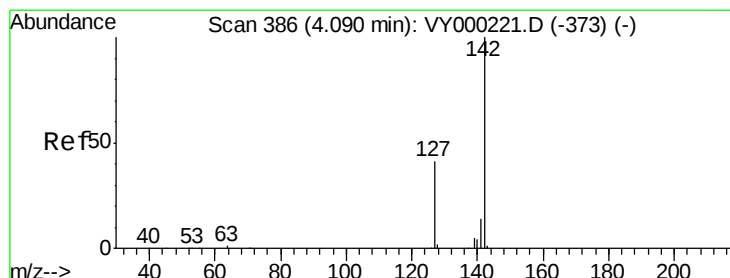
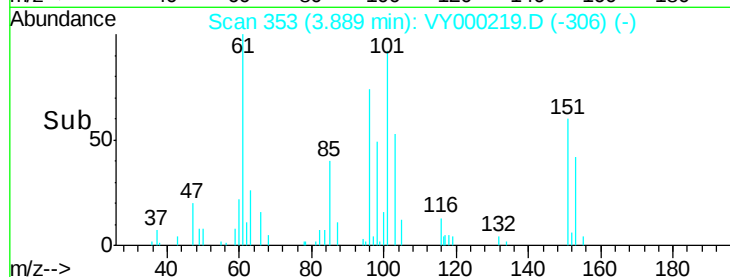
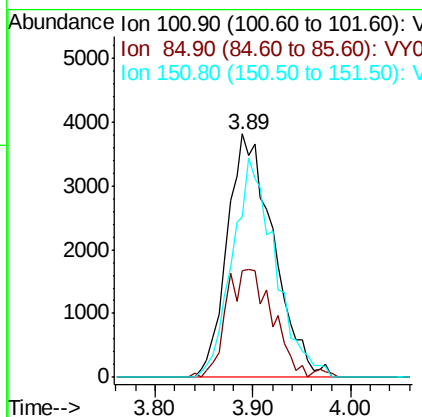
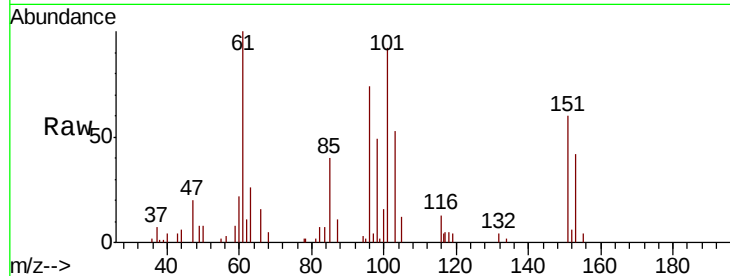
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	12497
Ion Ratio	Lower	Upper	
101	100		
85	44.2	34.6	52.0
151	83.4	69.2	103.8

Manual Integrations
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10/10/2019 12:52:18 AM



#10

Methyl Iodide

Concen: 3.768 ug/l

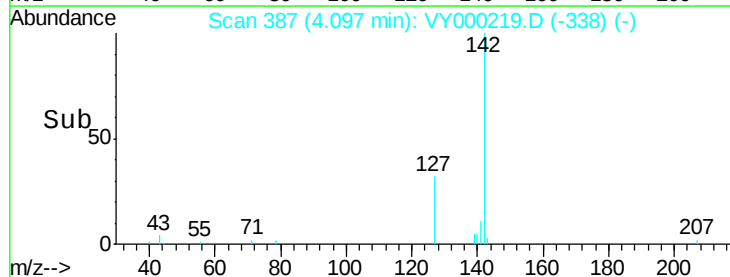
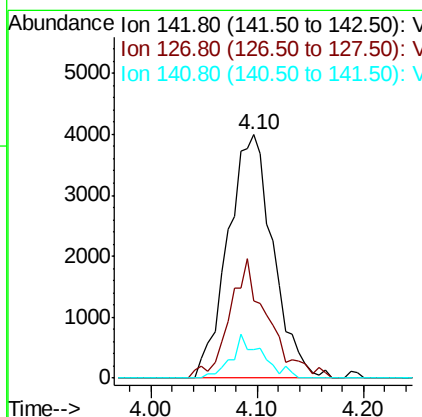
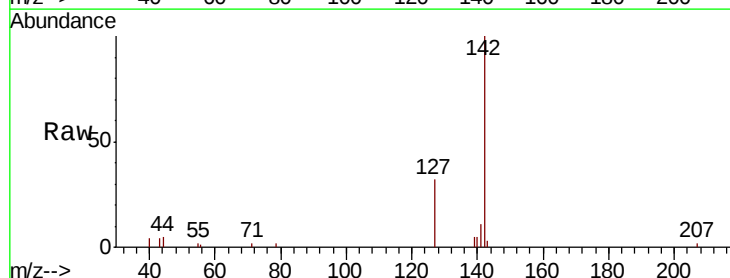
RT: 4.10 min Scan# 387

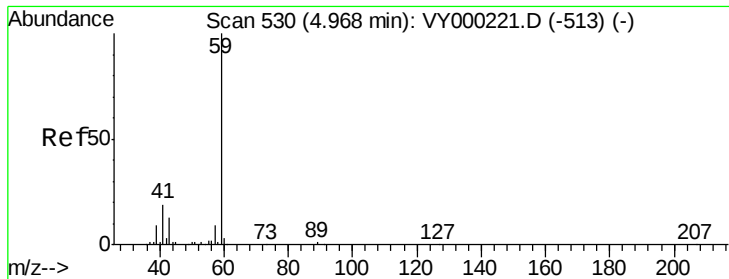
Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Tgt Ion:	142	Resp:	11836
Ion Ratio	Lower	Upper	
142	100		
127	42.1	30.8	46.2
141	12.1	11.2	16.8





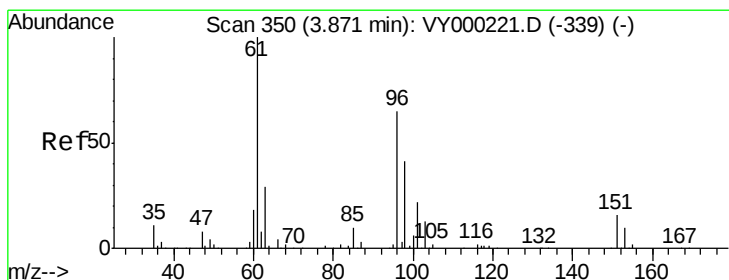
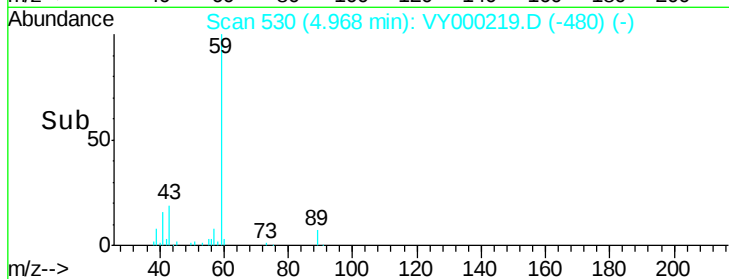
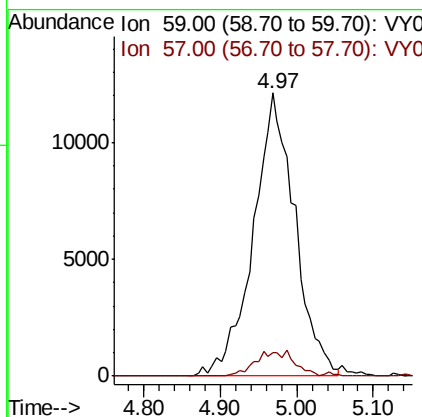
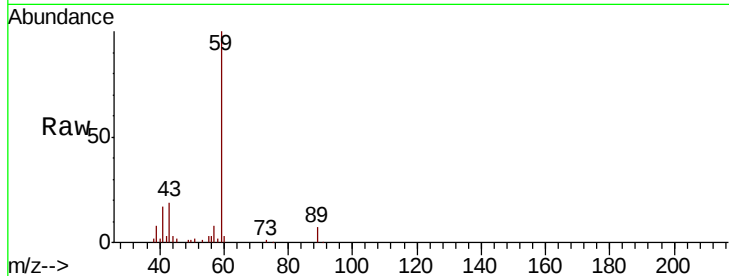
#11
Tert butyl alcohol
Concen: 33.763 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	7.8	11.6

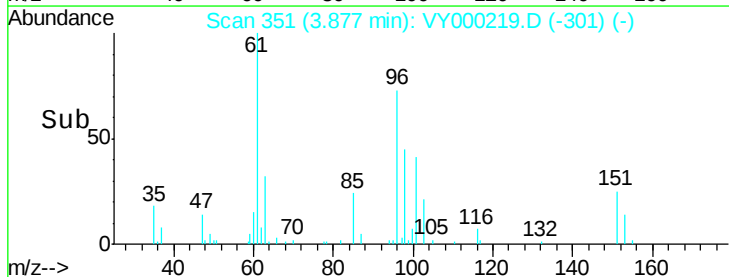
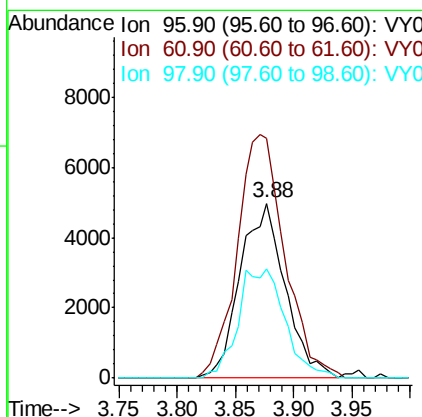
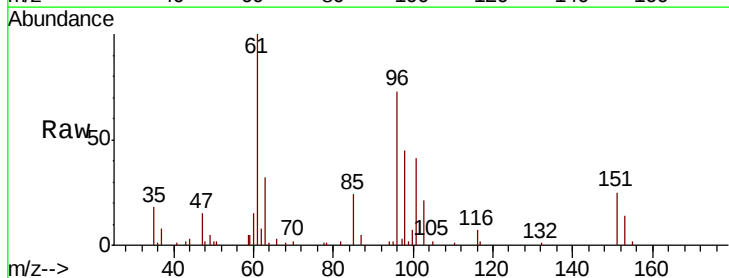
Manual Integrations
APPROVED

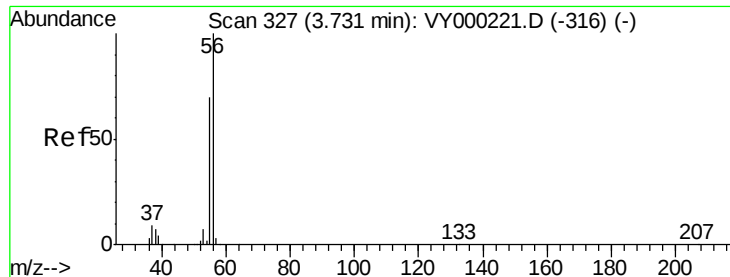
MMDadoda
10/10/2019 12:52:18 AM



#12
1,1-Dichloroethene
Concen: 5.613 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.01 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.1	105.1	157.7
98	62.3	46.9	70.3





#13

Acrolein

Concen: 52.338 ug/l

RT: 3.73 min Scan# 327

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 27809

Ion Ratio Lower Upper

56 100

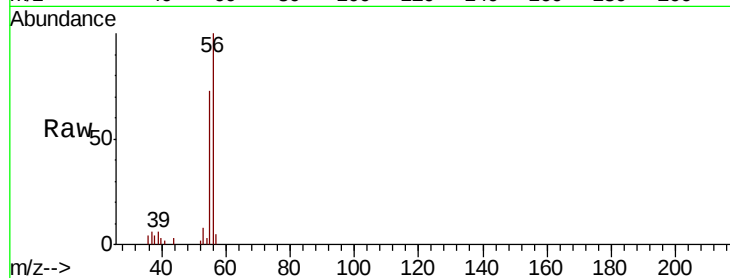
55 71.2 56.3 84.5

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

12000

10000

8000

6000

4000

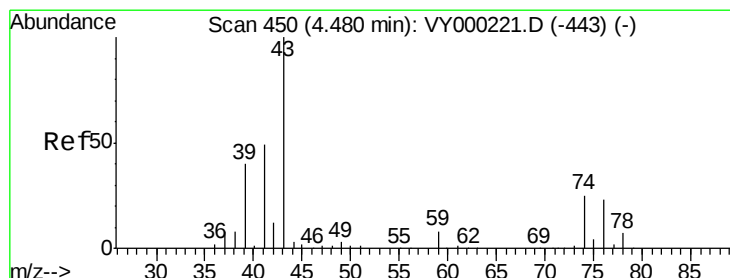
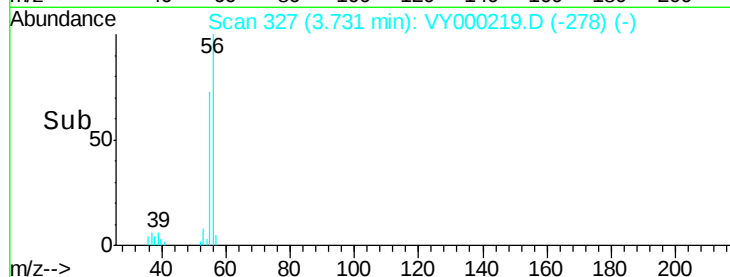
2000

0

Time-->

3.60 3.70 3.80 3.90

3.73



#14

Allyl chloride

Concen: 6.017 ug/l m

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

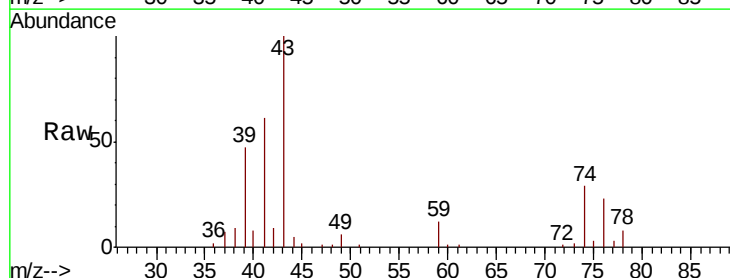
Tgt Ion: 41 Resp: 21497

Ion Ratio Lower Upper

41 100

39 67.2 62.2 93.2

76 35.0 36.5 54.7#



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

8000

6000

4000

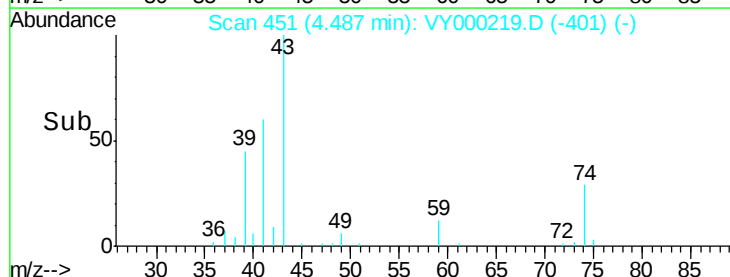
2000

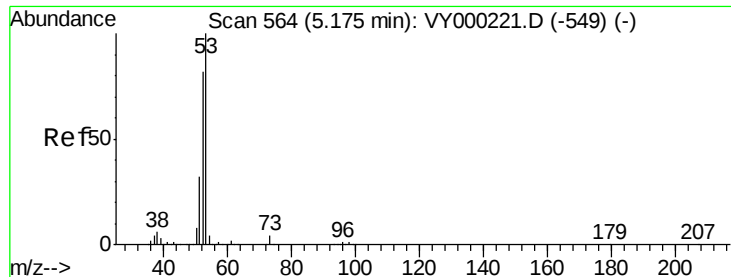
0

Time-->

4.40 4.45 4.50 4.55 4.60

4.49





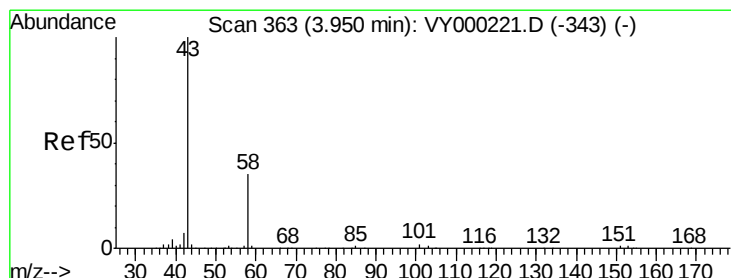
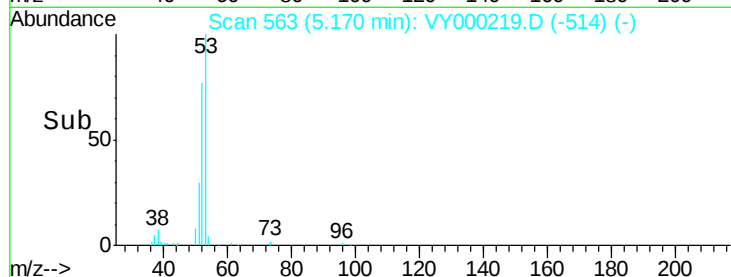
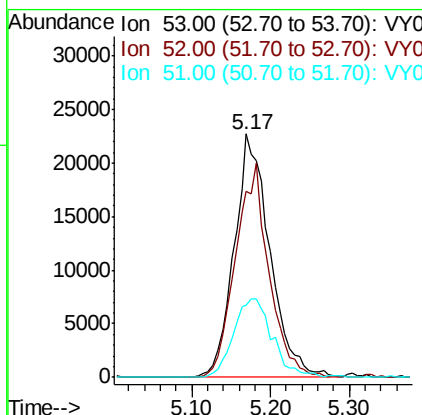
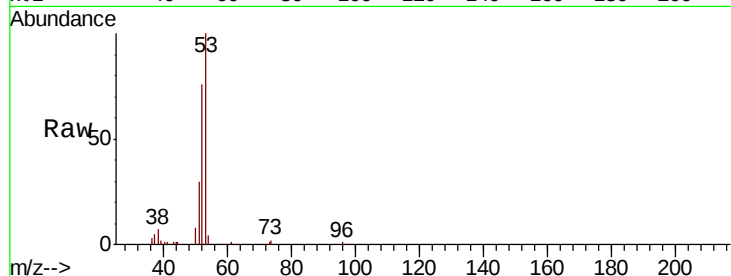
#15
 Acrylonitrile
 Concen: 32.160 ug/l
 RT: 5.17 min Scan# 563
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion:	53	Resp:	71431
Ion	Ratio	Lower	Upper
53	100		
52	82.4	64.6	97.0
51	35.1	27.3	40.9

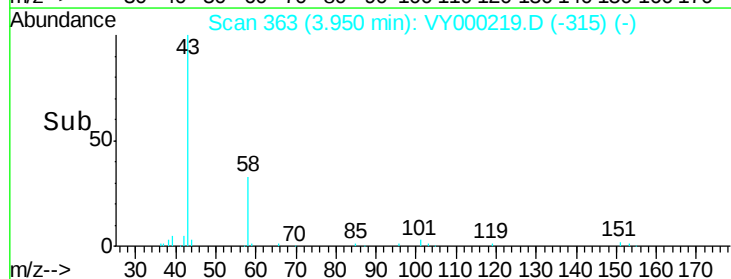
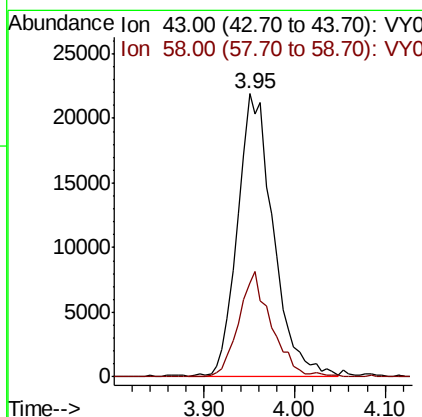
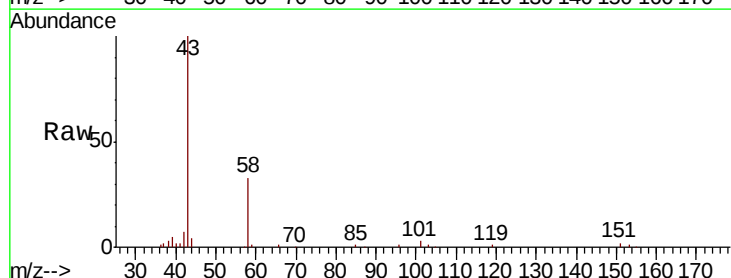
Manual Integrations
 APPROVED

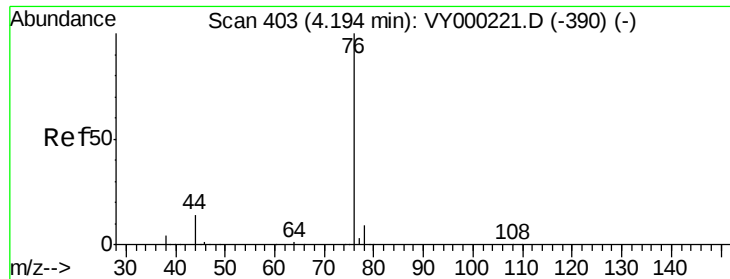
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#16
 Acetone
 Concen: 33.541 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion:	43	Resp:	59487
Ion	Ratio	Lower	Upper
43	100		
58	33.1	28.2	42.2





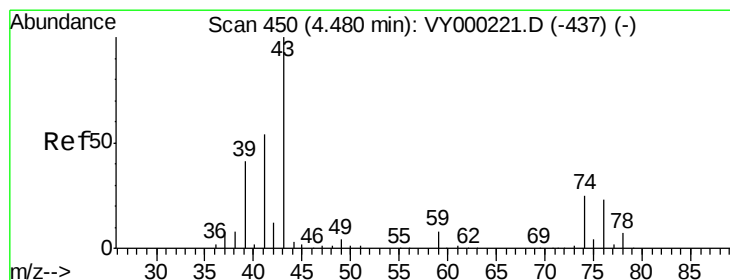
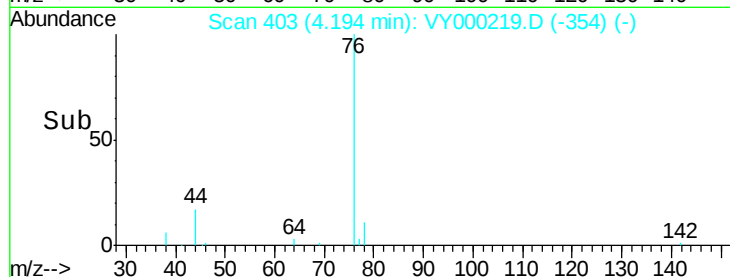
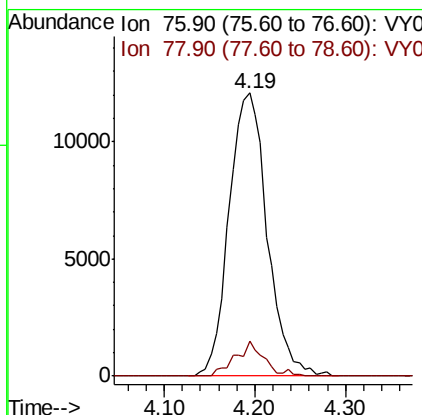
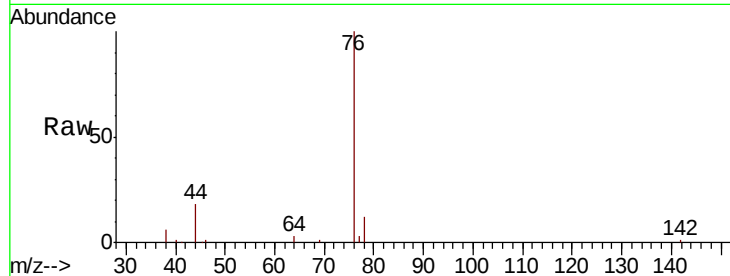
#17
Carbon Disulfide
Concen: 5.356 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 35236
Ion Ratio Lower Upper
76 100
78 12.2 7.4 11.2#

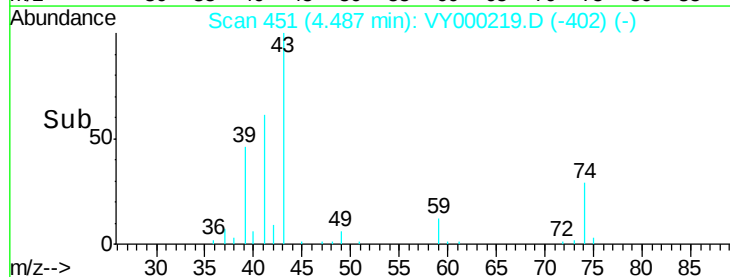
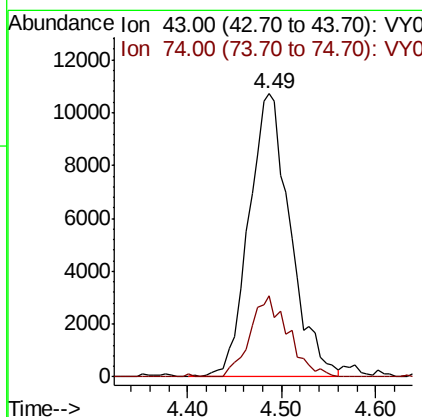
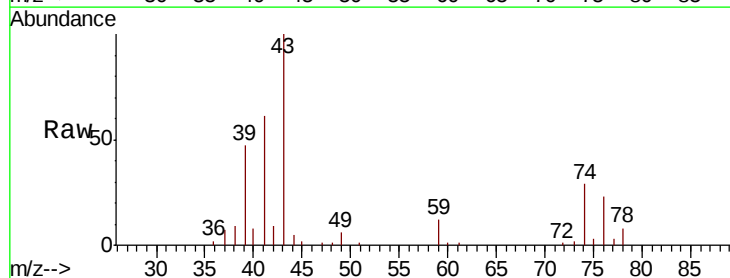
Manual Integrations
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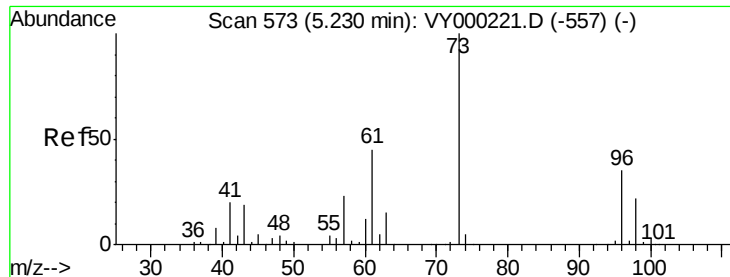
MMDadoda
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#18
Methyl Acetate
Concen: 6.807 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion: 43 Resp: 33006
Ion Ratio Lower Upper
43 100
74 26.5 22.7 34.1





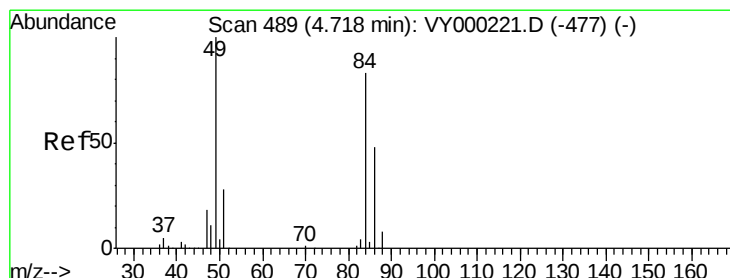
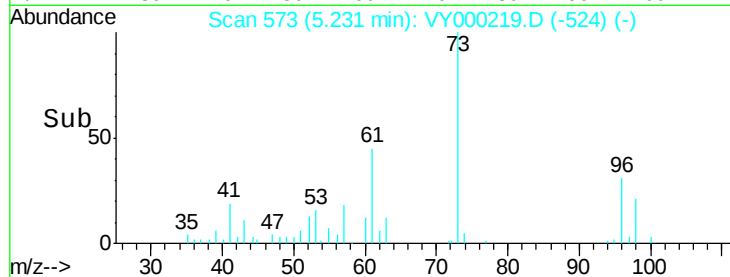
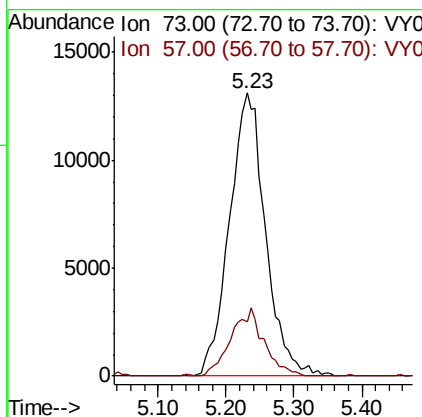
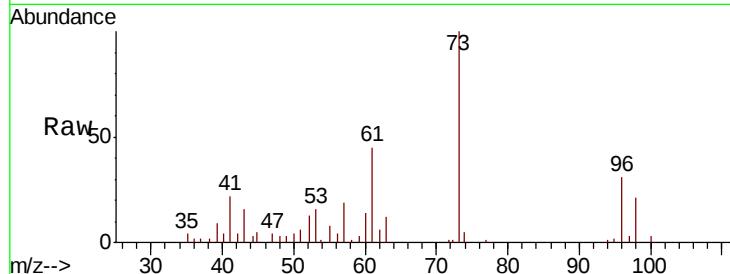
#19
Methyl tert-butyl Ether
Concen: 6.234 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.4	16.3	24.5

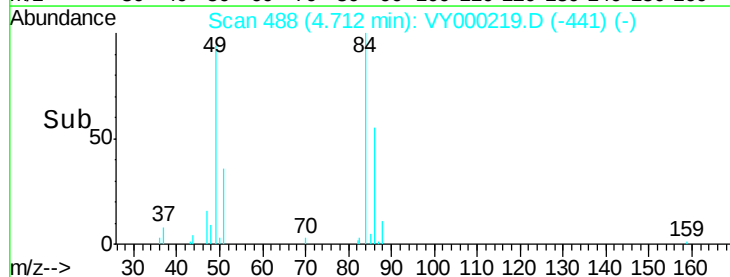
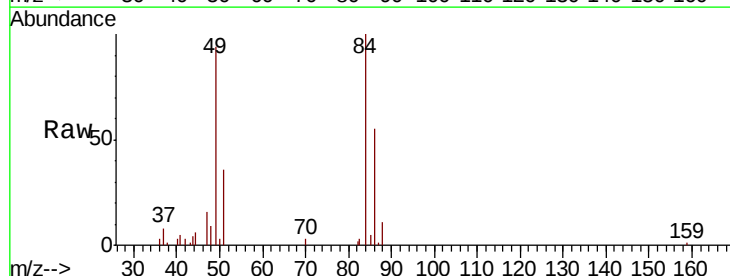
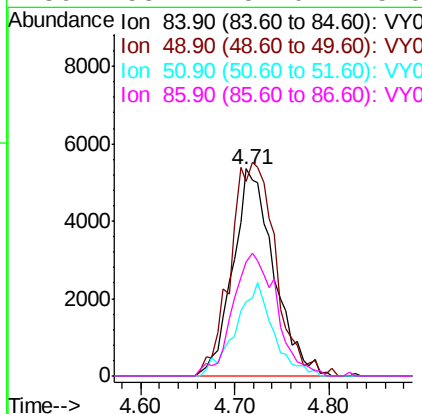
Manual Integrations
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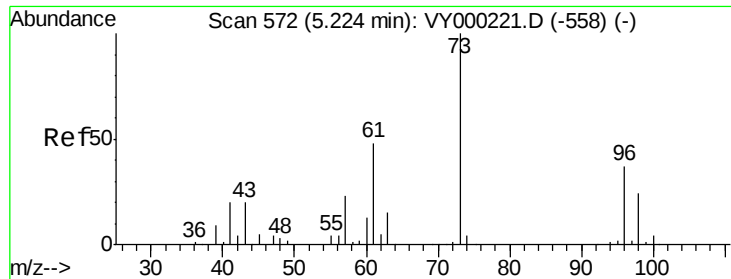
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#20
Methylene Chloride
Concen: 5.914 ug/l
RT: 4.71 min Scan# 488
Delta R.T. -0.01 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
84	100		
49	94.2	86.2	129.2
51	35.9	25.3	37.9
86	55.2	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 6.005 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

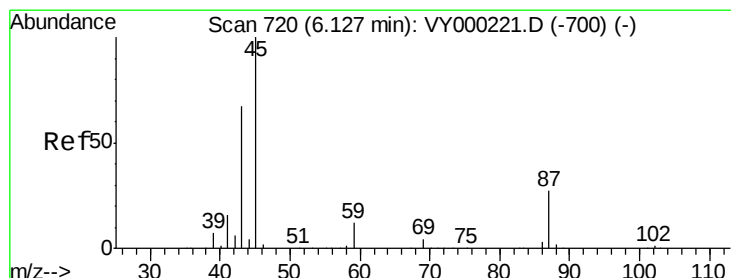
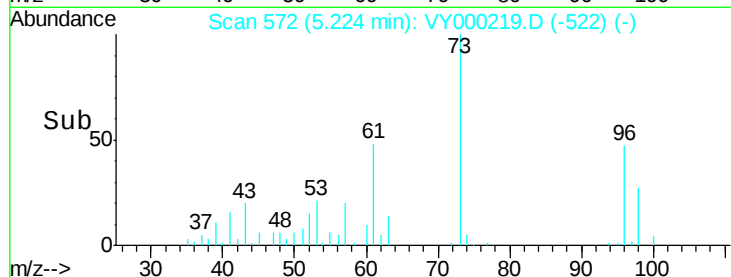
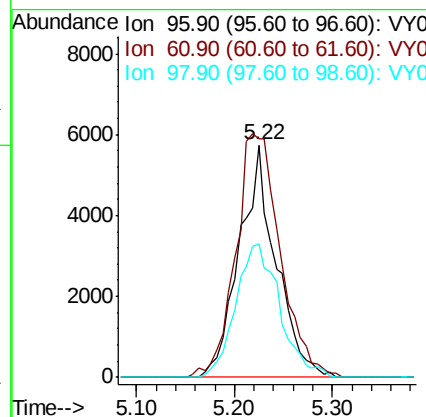
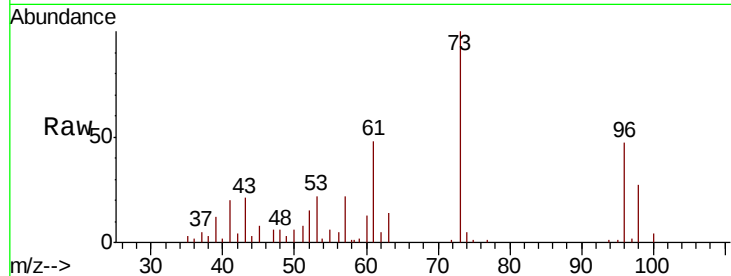
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	14971
Ion	Ratio	Lower	Upper
96	100		
61	102.8	96.1	144.1
98	57.2	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 7.033 ug/l

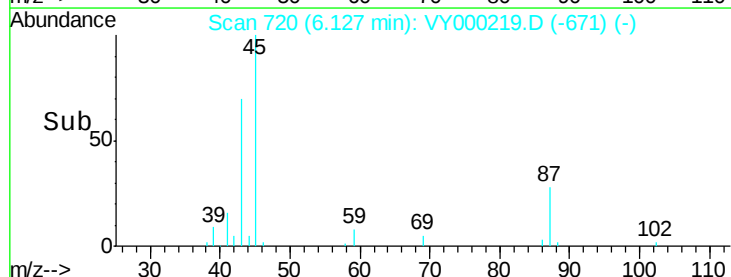
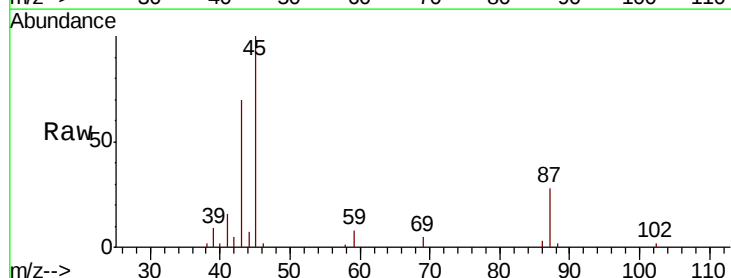
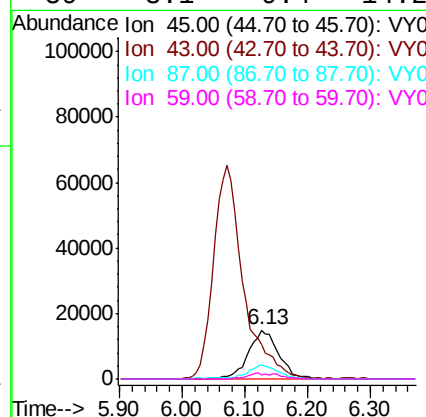
RT: 6.13 min Scan# 720

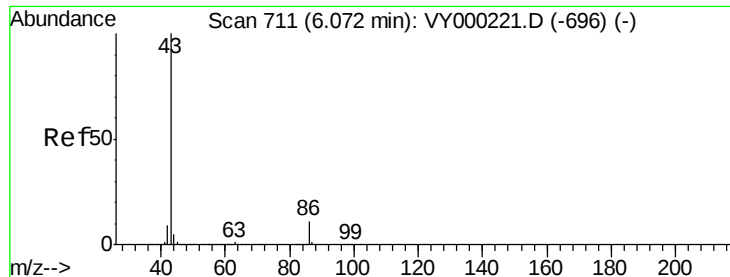
Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Tgt Ion:	45	Resp:	49993
Ion	Ratio	Lower	Upper
45	100		
43	68.4	51.5	77.3
87	28.5	27.0	40.4
59	8.1	9.4	14.2#





#23

Vinyl Acetate

Concen: 32.433 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 214782

Ion Ratio Lower Upper

43 100

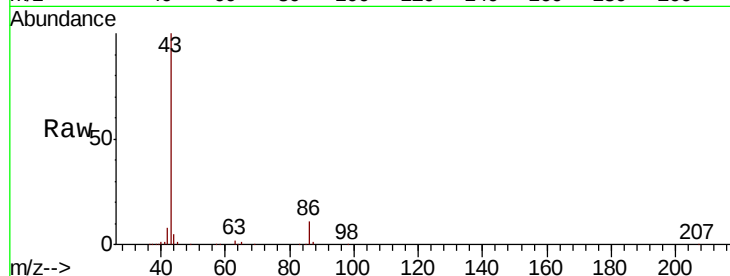
86 11.1 10.7 16.1

Manual Integrations

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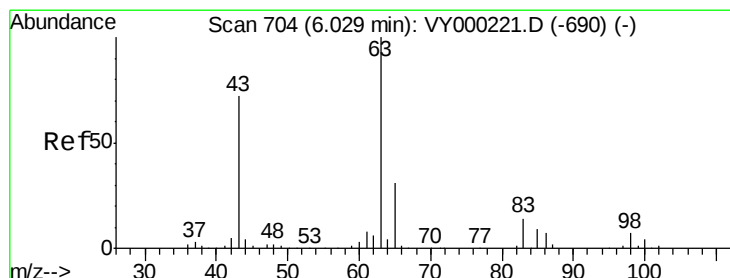
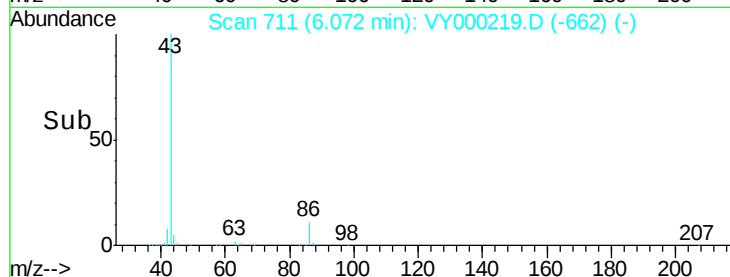
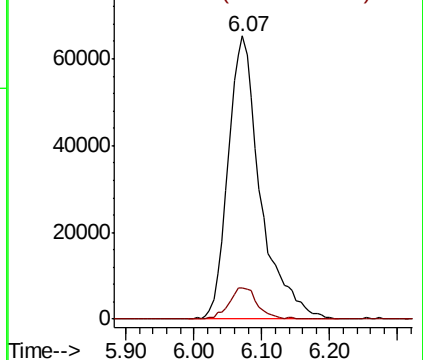
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 6.306 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

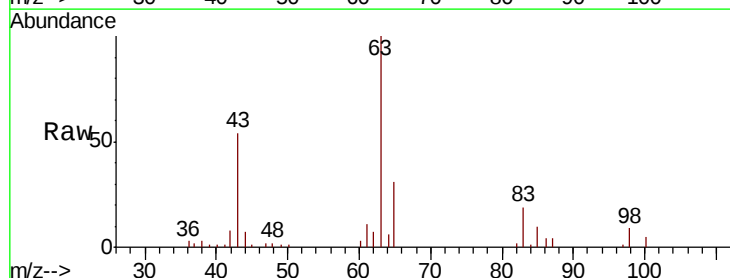
Tgt Ion: 63 Resp: 25505

Ion Ratio Lower Upper

63 100

98 9.4 4.8 14.4

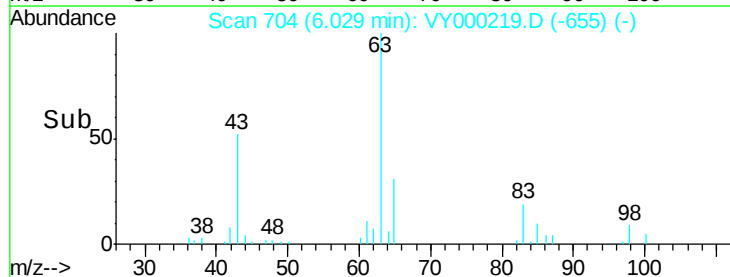
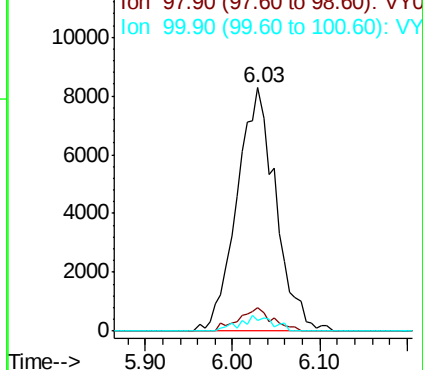
100 4.6 2.9 8.8

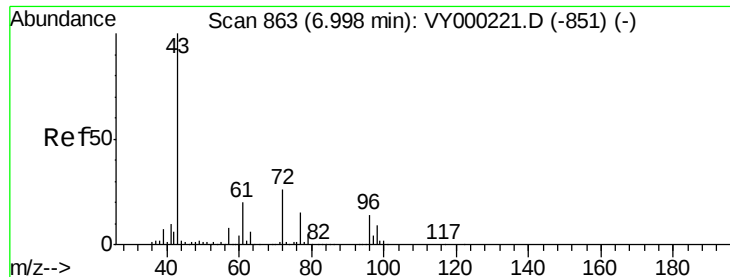


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 33.604 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 107348

Ion Ratio Lower Upper

43 100

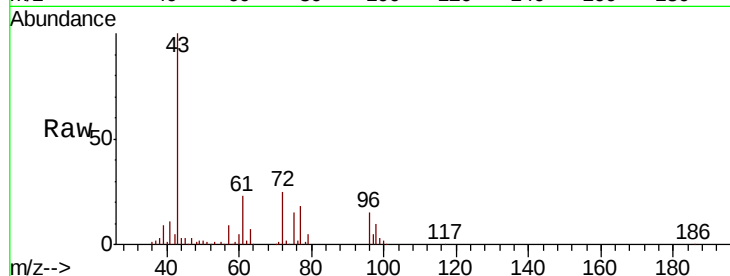
72 25.3 23.1 34.7

Manual Integrations

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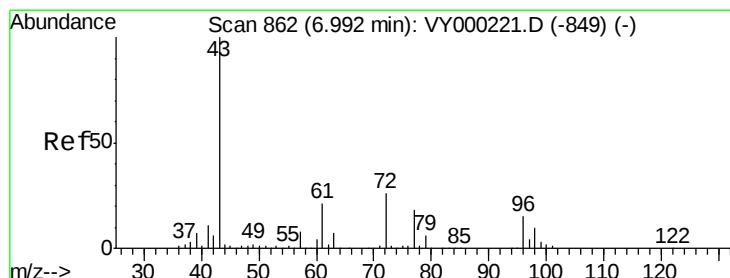
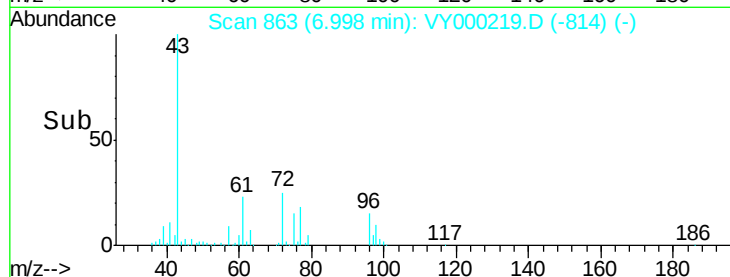
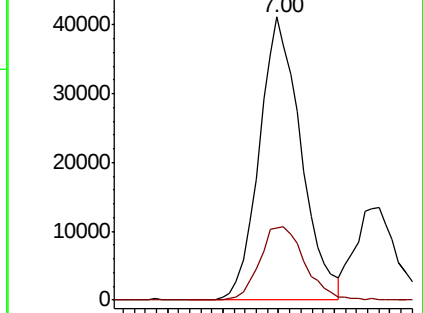
MMDadoda

10/10/2019 12:52:18 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: 6.162 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000219.D

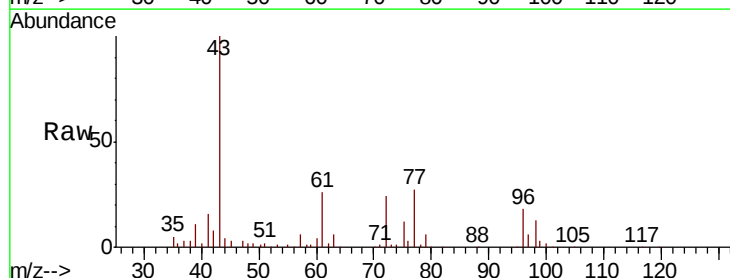
Acq: 08 Oct 2019 13:00

Tgt Ion: 77 Resp: 24591

Ion Ratio Lower Upper

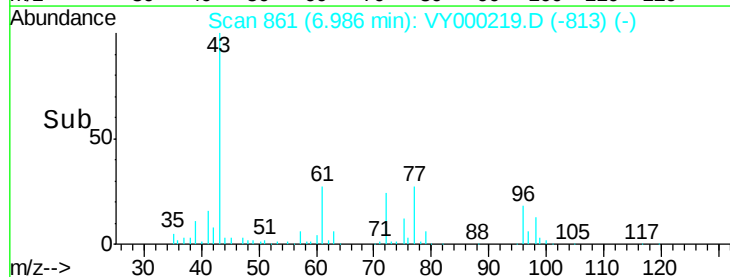
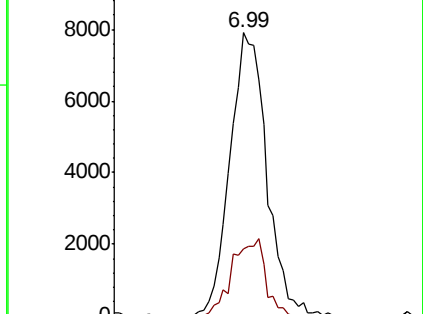
77 100

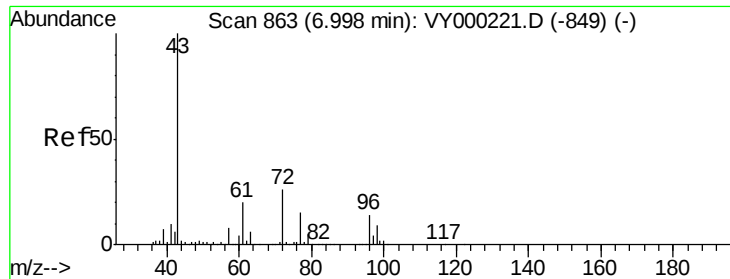
97 24.5 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

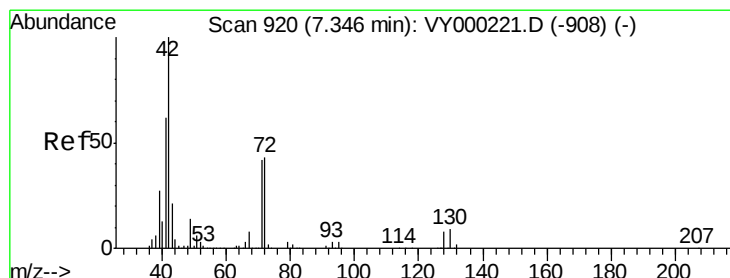
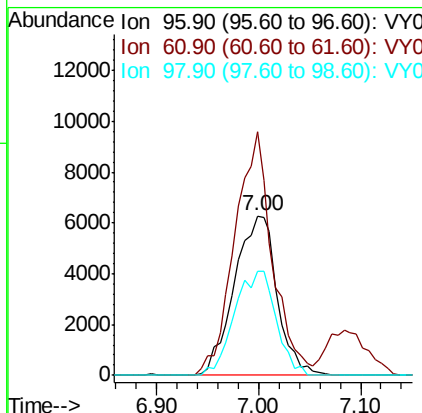
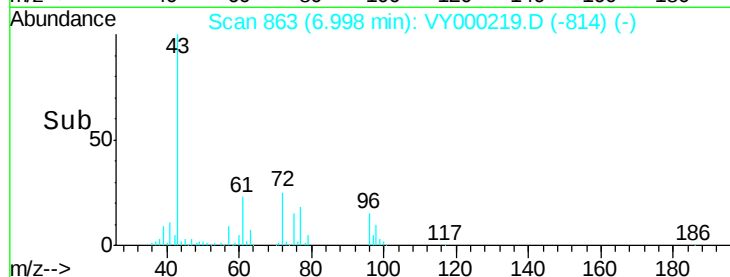
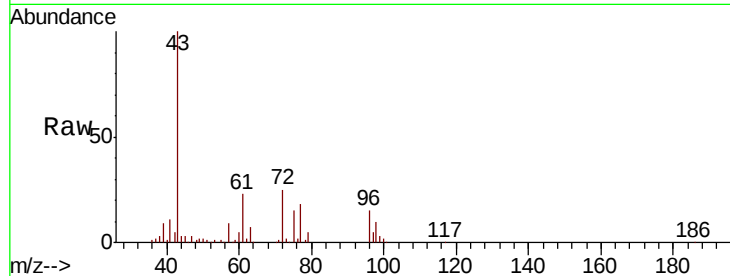
cis-1,2-Dichloroethene
Concen: 6.132 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.0	0.0	244.4
98	63.6	0.0	129.6

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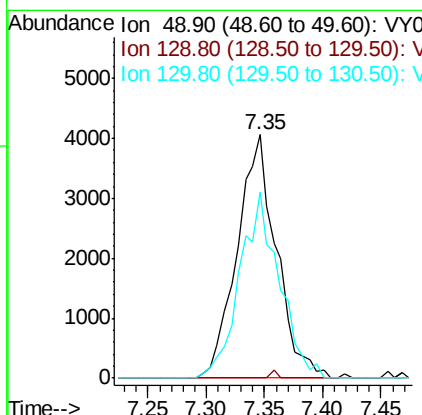
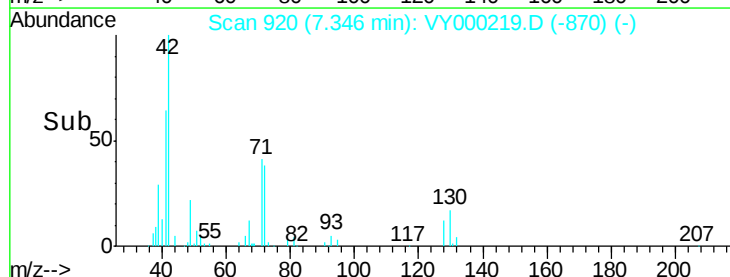
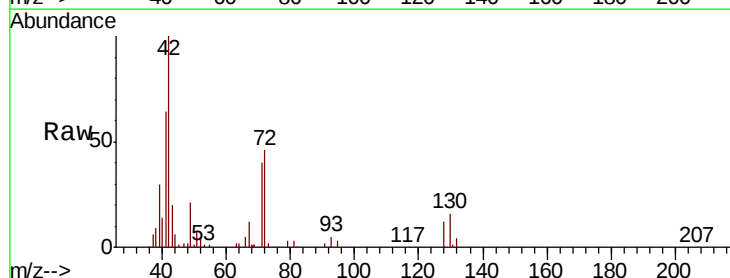
MMDadoda
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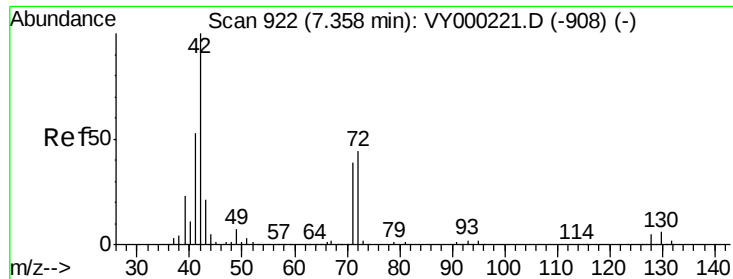


#28

Bromochloromethane
Concen: 8.244 ug/l
RT: 7.35 min Scan# 920
Delta R.T. 0.01 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	2.2
130	76.5	70.5	105.7





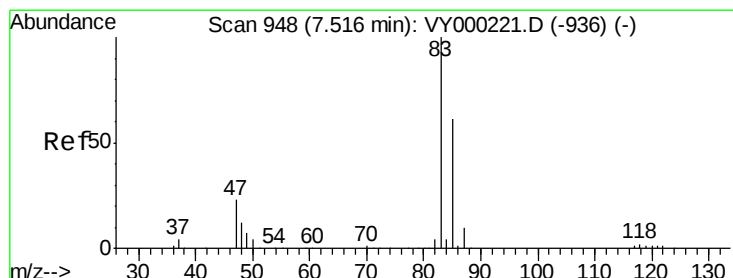
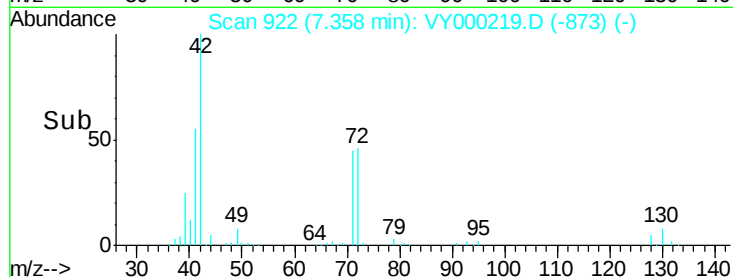
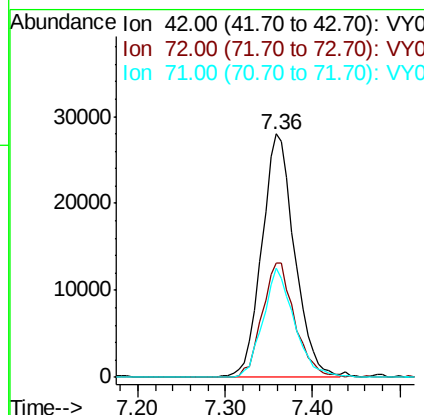
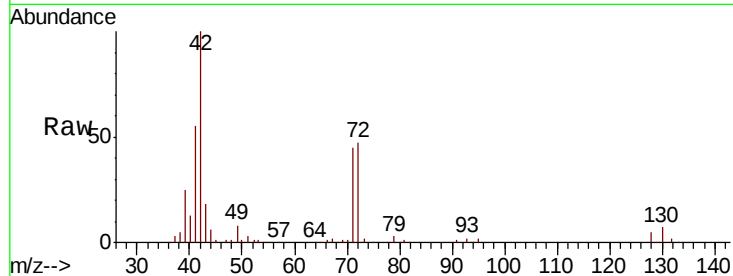
#29
Tetrahydrofuran
Concen: 33.101 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	40.4	60.6
71	42.8	36.6	55.0

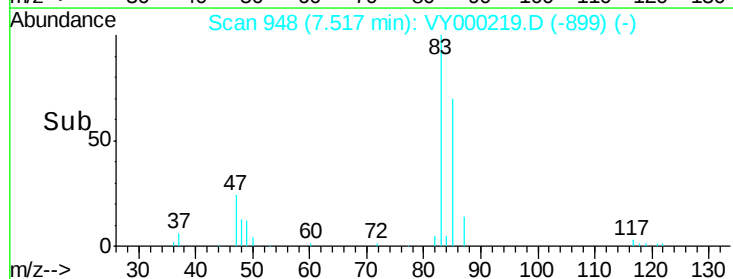
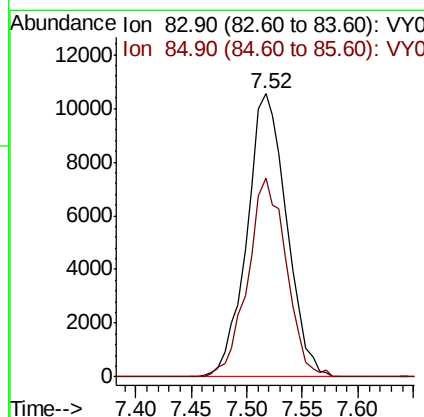
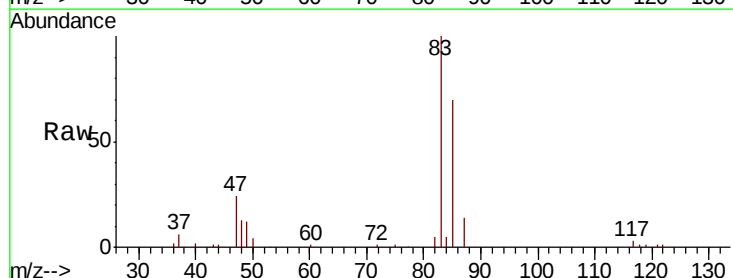
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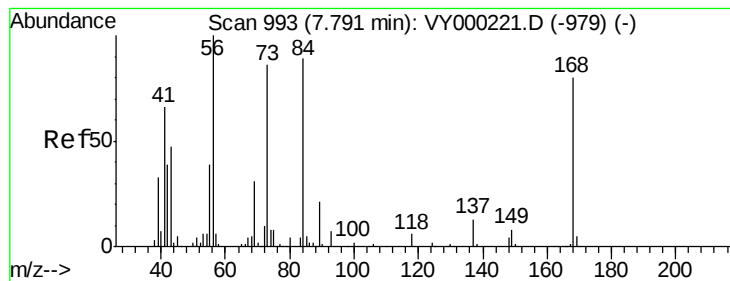
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#30
Chloroform
Concen: 5.730 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.4	52.1	78.1





#31

Cyclohexane

Concen: 6.058 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 28827

Ion Ratio Lower Upper

56 100

69 60.1 29.5 44.3#

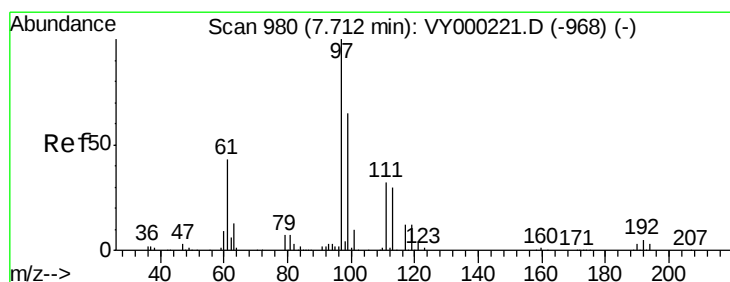
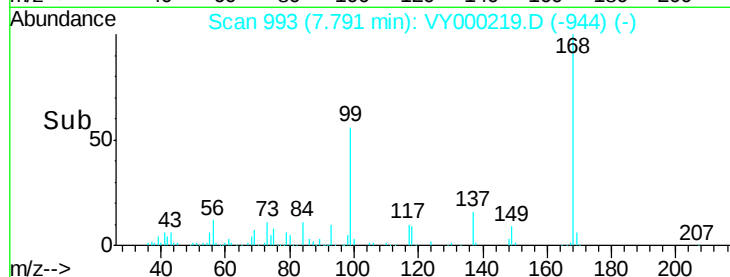
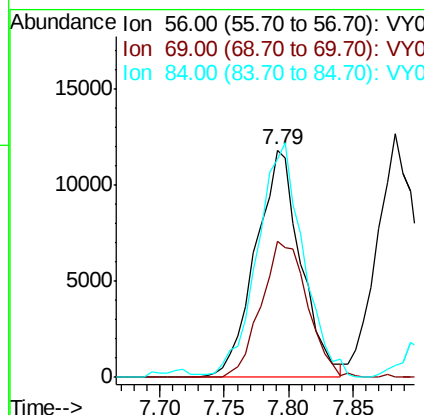
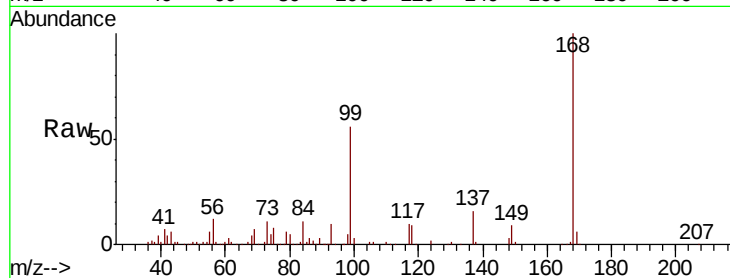
84 94.5 73.4 110.0

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#32

1,1,1-Trichloroethane

Concen: 5.762 ug/l

RT: 7.71 min Scan# 979

Delta R.T. -0.01 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

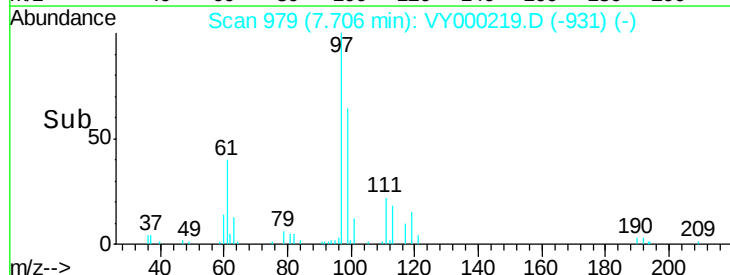
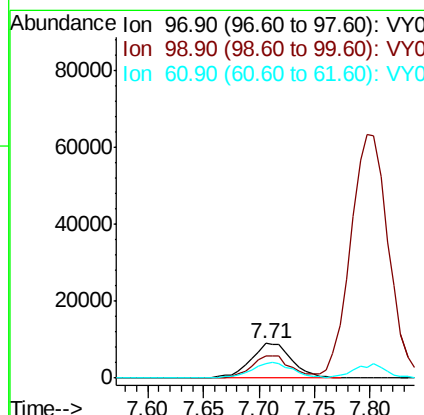
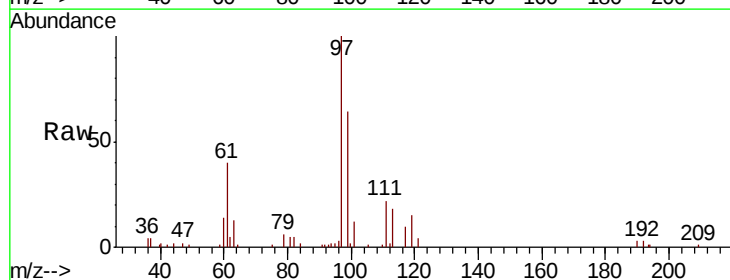
Tgt Ion: 97 Resp: 23075

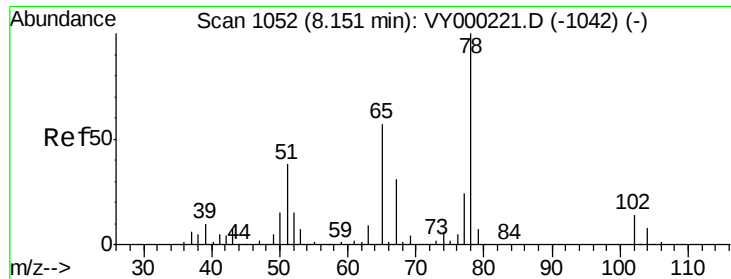
Ion Ratio Lower Upper

97 100

99 62.3 52.2 78.2

61 45.1 32.5 48.7





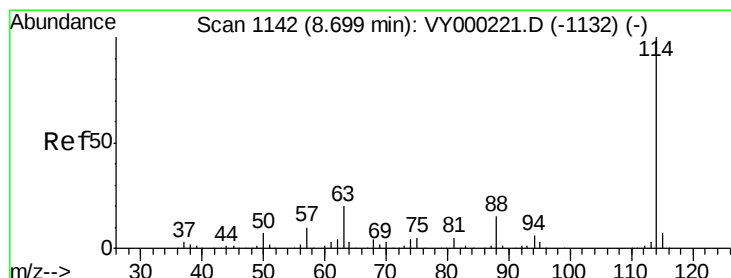
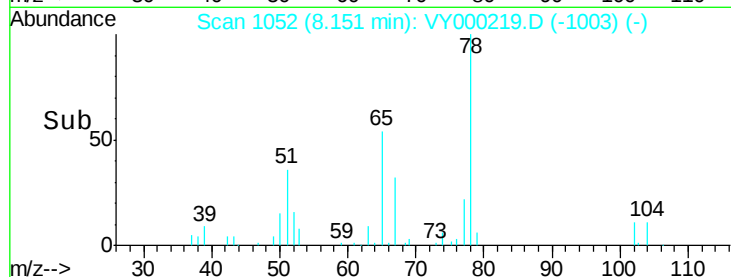
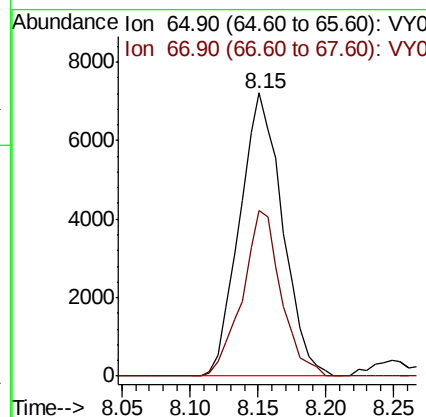
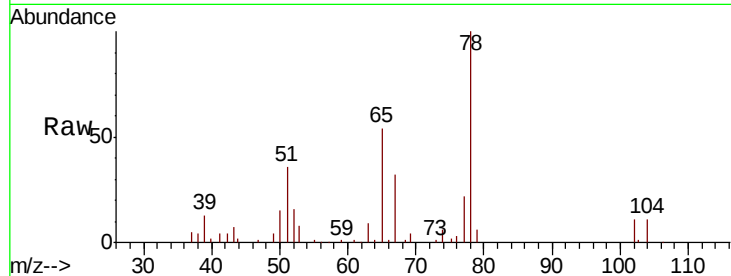
#33
 1,2-Dichloroethane-d4
 Concen: 5.908 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	107.8	

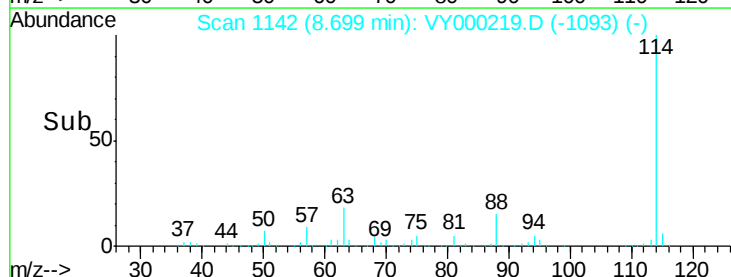
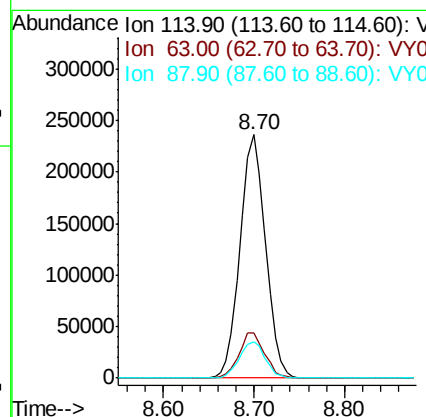
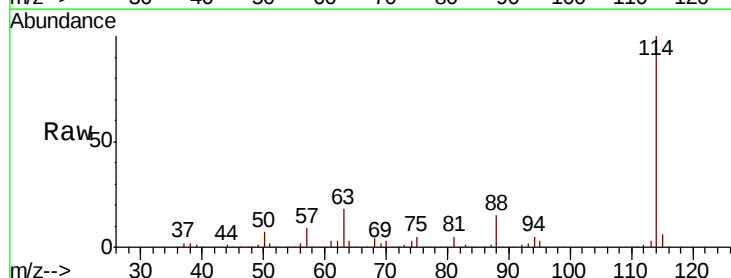
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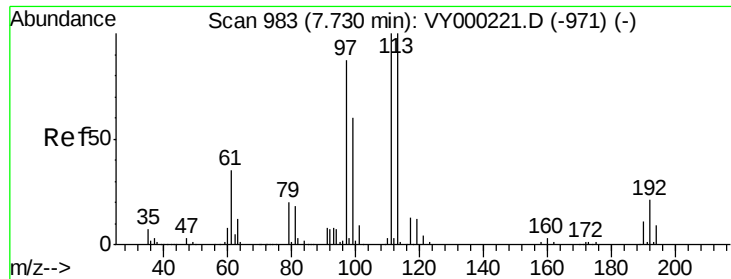
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.3	0.0	33.4	
88	15.0	0.0	30.2	





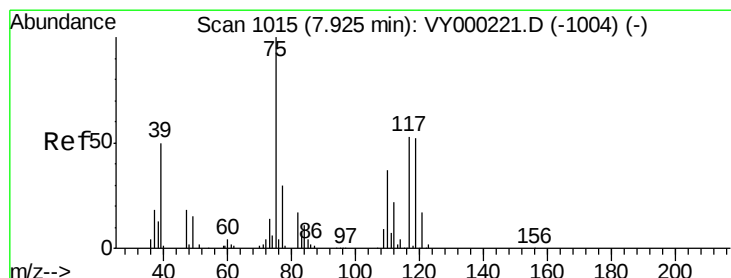
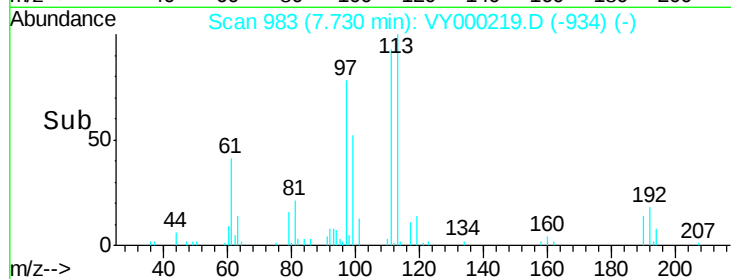
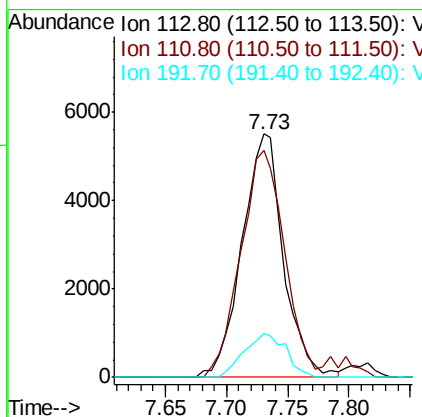
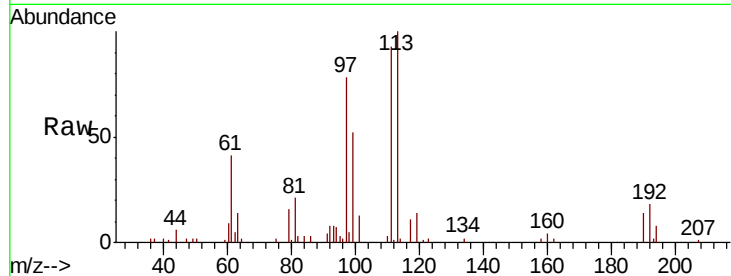
#35
 Dibromofluoromethane
 Concen: 4.904 ug/l
 RT: 7.73 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	99.1	84.0	126.0
192	18.0	18.6	27.8

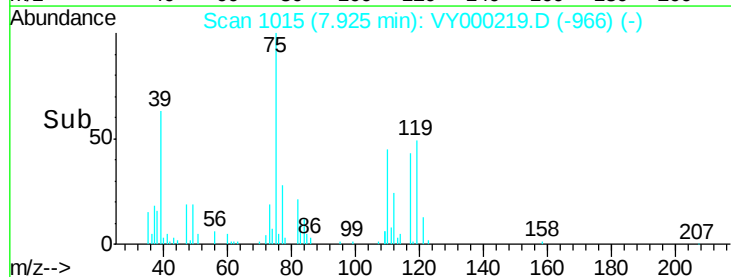
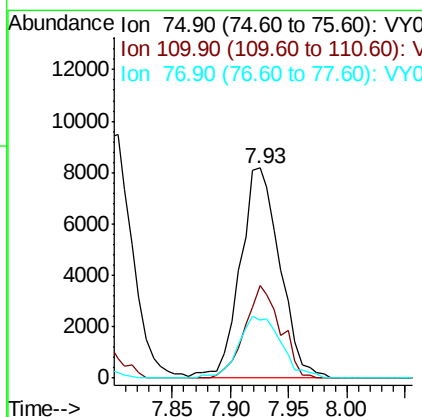
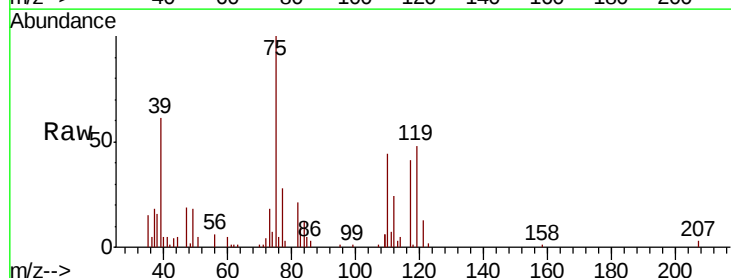
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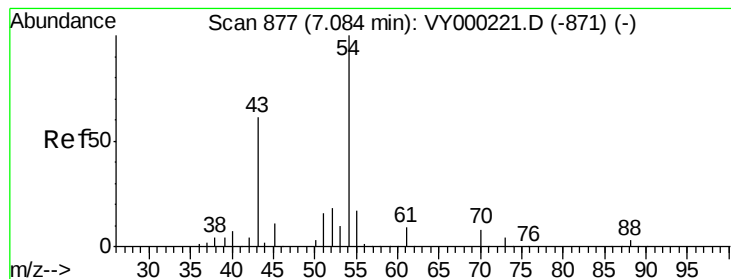
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#36
 1,1-Dichloropropene
 Concen: 5.259 ug/l
 RT: 7.93 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	20.2	60.5
77	31.7	25.5	38.3





#37

Ethyl Acetate

Concen: 5.898 ug/l

RT: 7.09 min Scan# 878

Delta R.T. 0.01 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

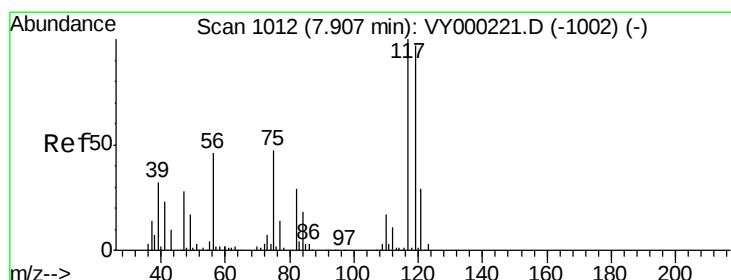
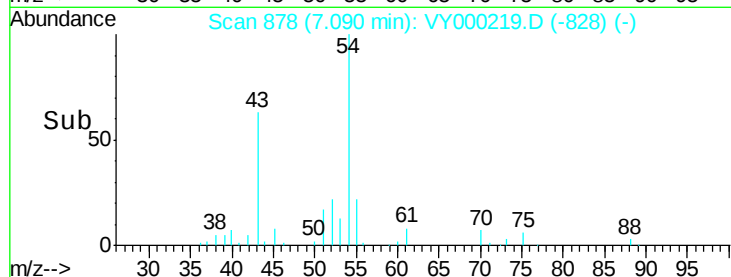
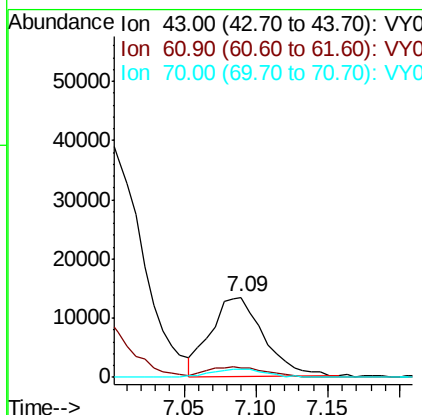
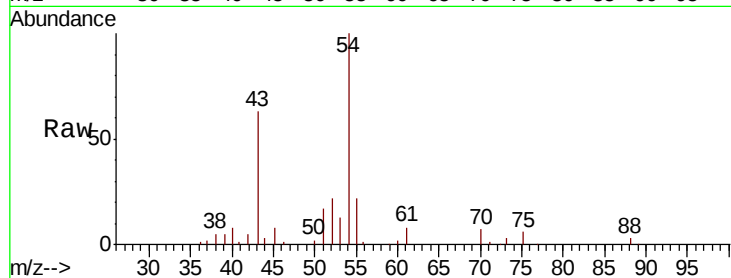
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	34175
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.6	17.4
70	11.4	9.5	14.3

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#38

Carbon Tetrachloride

Concen: 4.832 ug/l

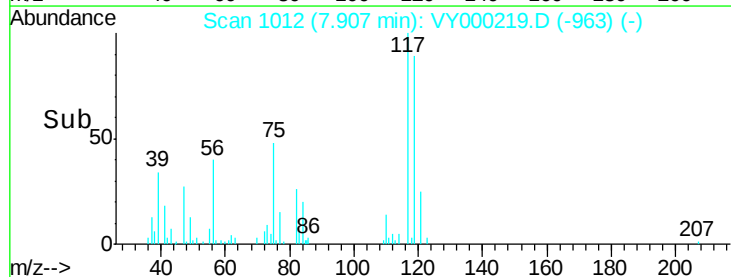
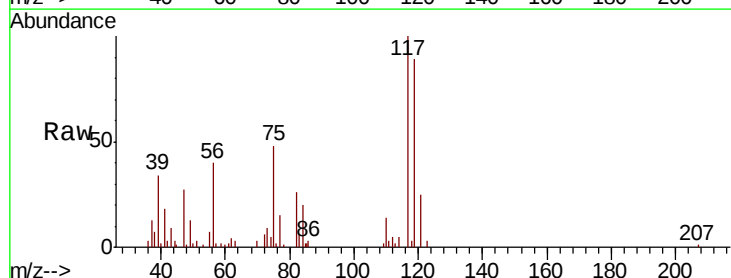
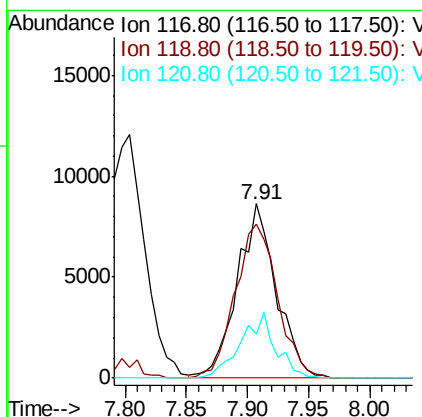
RT: 7.91 min Scan# 1012

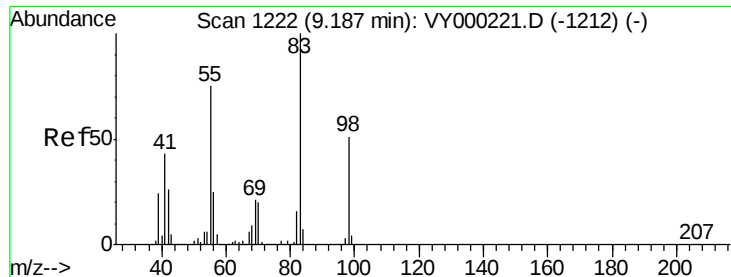
Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Tgt Ion:	117	Resp:	19209
Ion	Ratio	Lower	Upper
117	100		
119	88.5	74.7	112.1
121	25.2	25.1	37.7





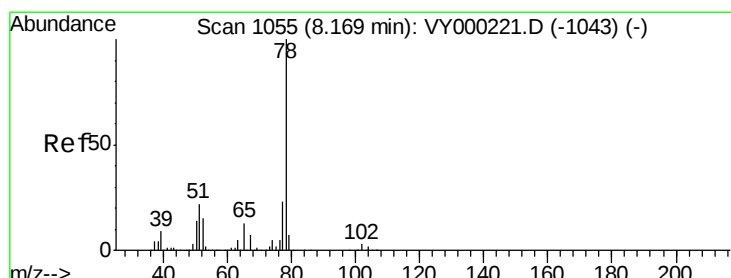
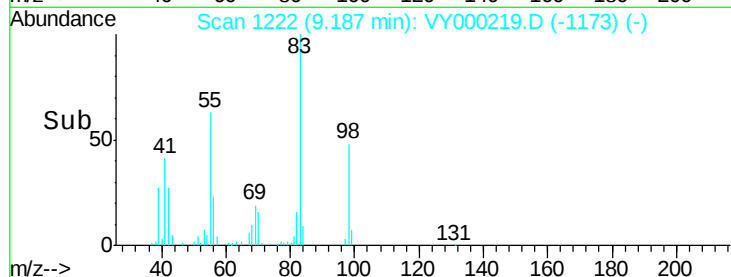
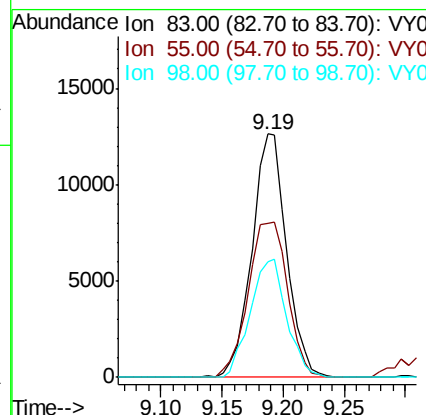
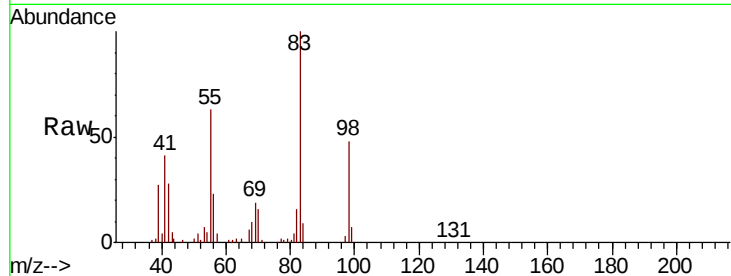
#39
Methvlcvclohexane
Concen: 5.059 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	24883
Ion Ratio	Lower	Upper	
83	100		
55	63.3	53.3	79.9
98	47.6	43.8	65.8

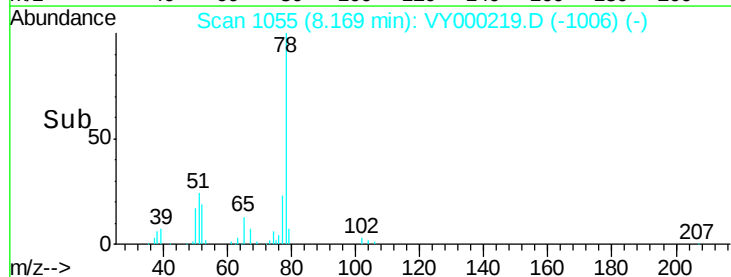
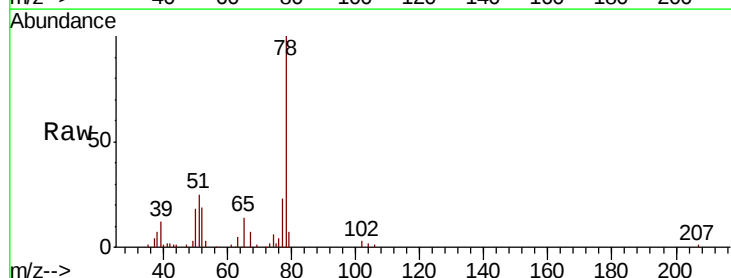
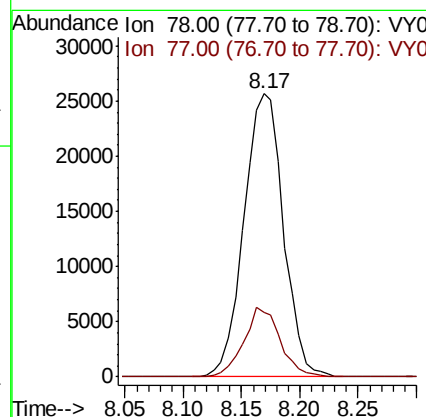
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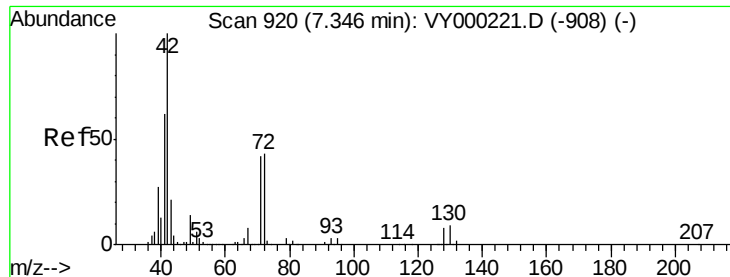
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#40
Benzene
Concen: 5.475 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	78	Resp	60610
Ion Ratio	Lower	Upper	
78	100		
77	22.8	17.9	26.9





#41

Methacrylonitrile

Concen: 4.290 ug/l m

RT: 7.35 min Scan# 921

Delta R.T. 0.02 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 31029

Ion Ratio Lower Upper

41 100

39 86.4 122.2 183.2#

67 0.0 0.0 0.0

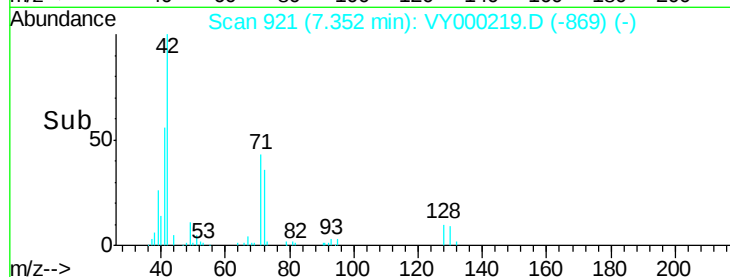
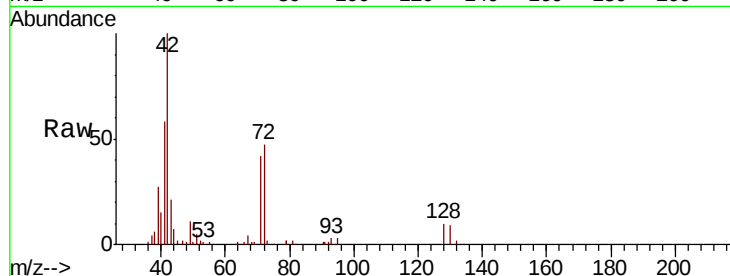
52 0.0 0.0 0.0

Manual Integrations

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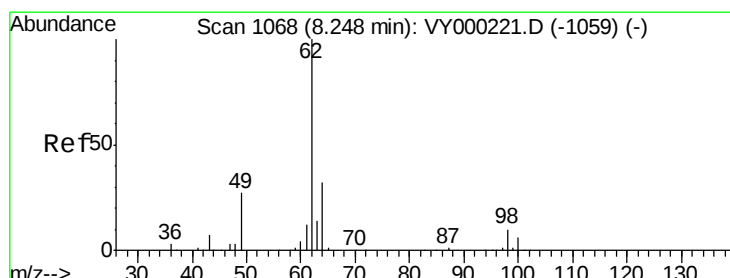
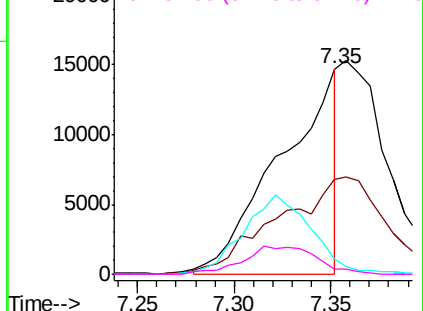


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 67.00 (66.70 to 67.70): VY0

Ion 52.00 (51.70 to 52.70): VY0



#42

1,2-Dichloroethane

Concen: 5.483 ug/l

RT: 8.25 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VY000219.D

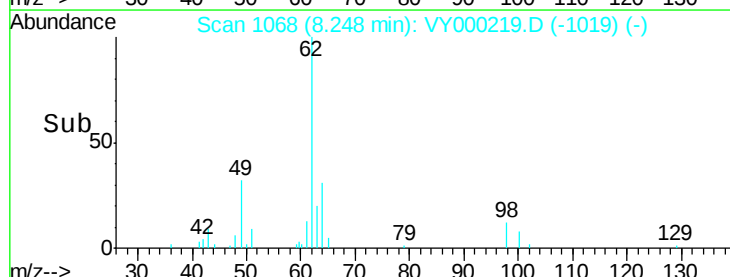
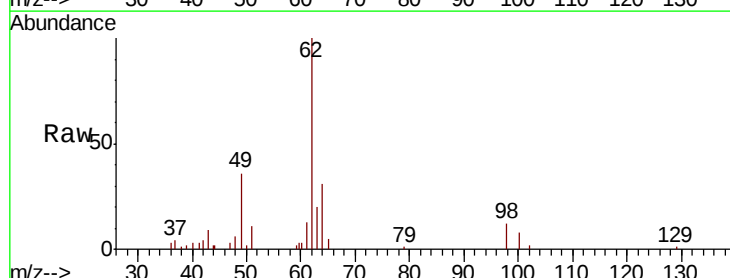
Acq: 08 Oct 2019 13:00

Tgt Ion: 62 Resp: 19715

Ion Ratio Lower Upper

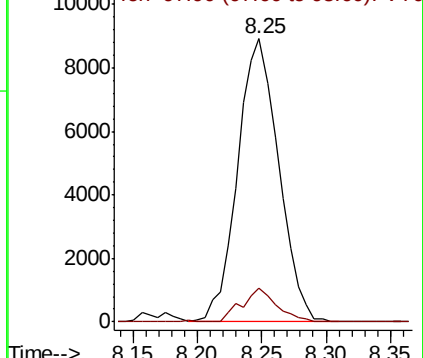
62 100

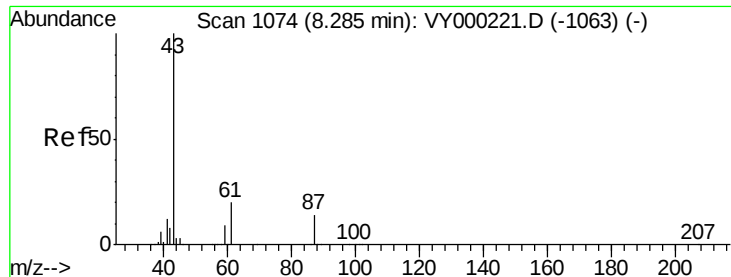
98 10.1 0.0 23.0



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 97.90 (97.60 to 98.60): VY0





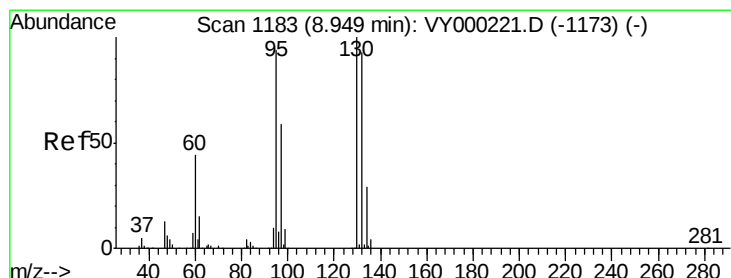
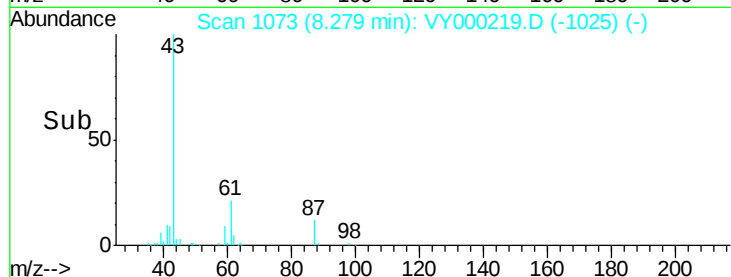
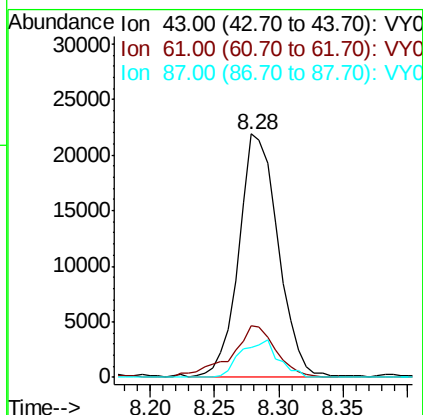
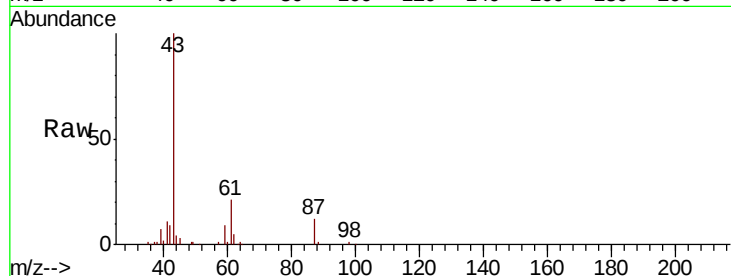
#43
Isopropyl Acetate
Concen: 6.189 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.5	21.2	31.8
87	14.7	12.4	18.6

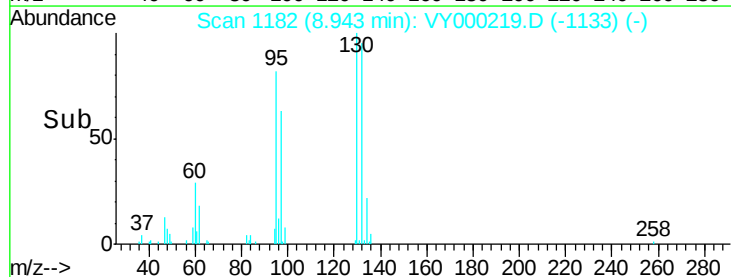
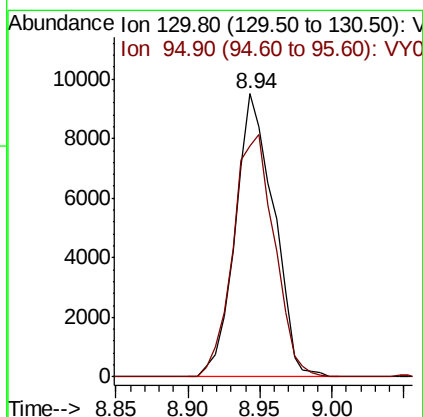
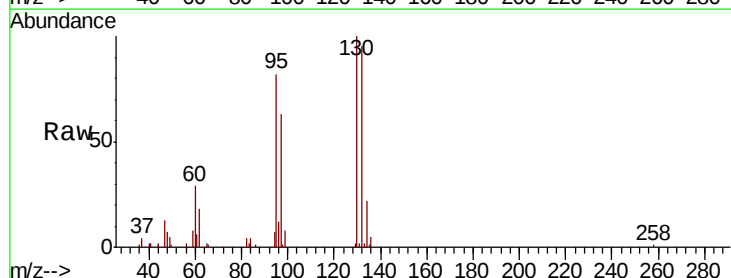
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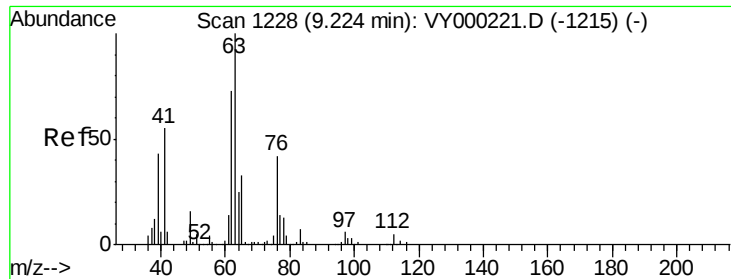
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10/10/2019 12:52:18 AM



#44
Trichloroethene
Concen: 4.971 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	81.6	0.0	183.0





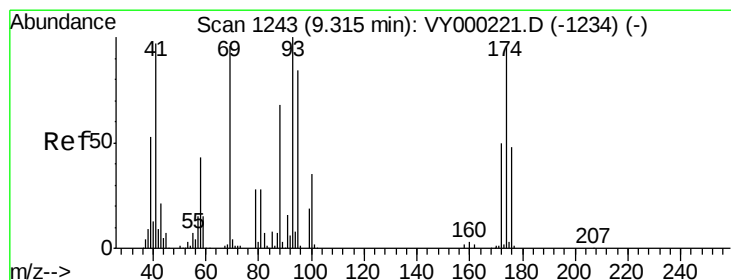
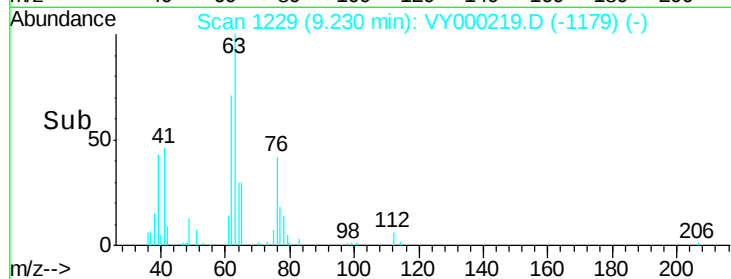
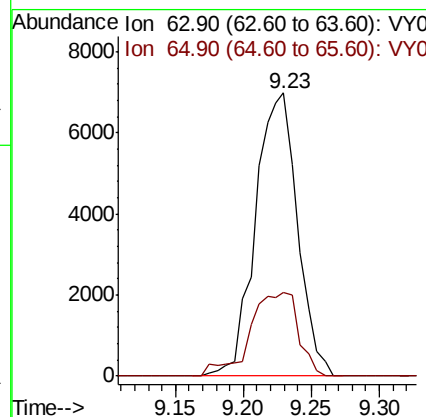
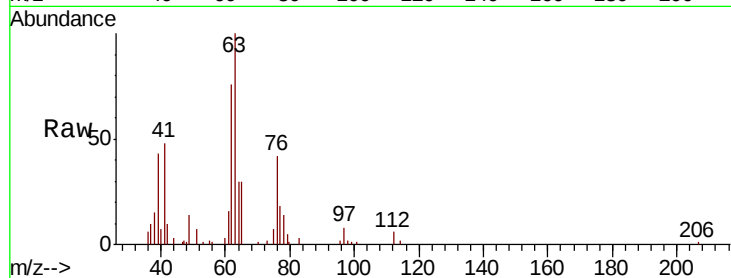
#45
 1,2-Dichloropropane
 Concen: 5.584 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	24.2	36.2

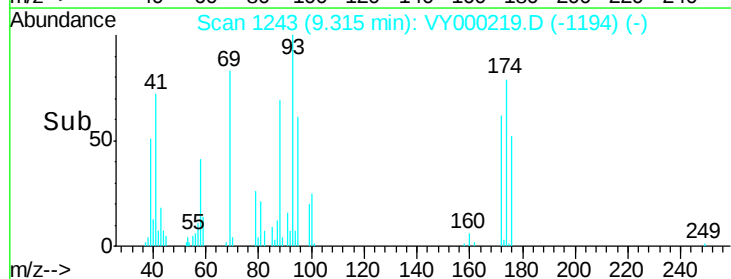
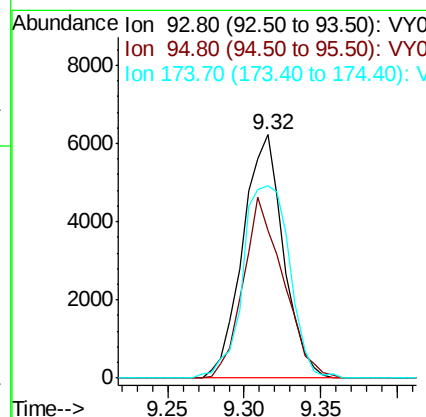
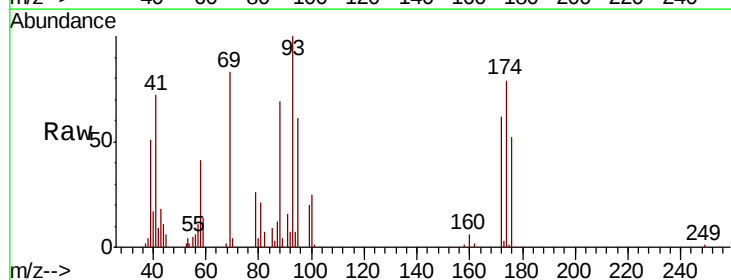
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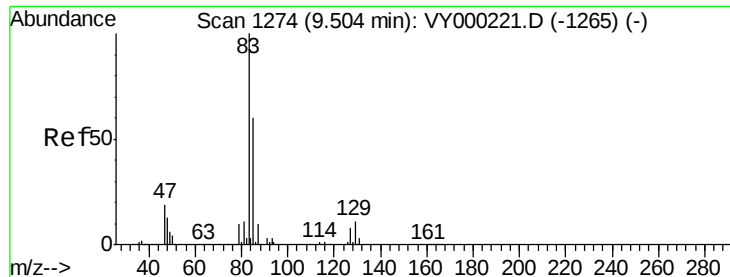
MMDadoda
 10/10/2019 12:52:18 AM



#46
 Dibromomethane
 Concen: 5.738 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	73.2	65.8	98.6
174	91.5	93.4	140.0#





#47

Bromodichloromethane

Concen: 5.472 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

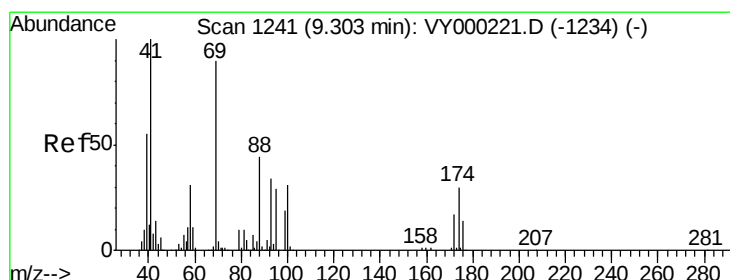
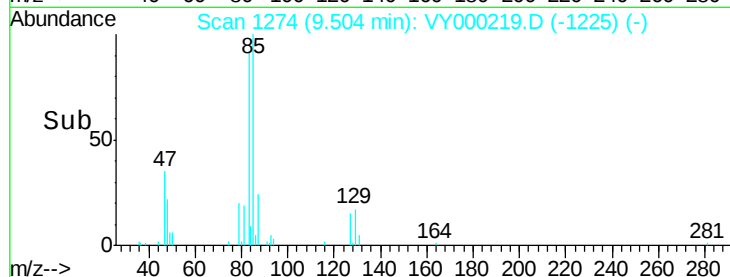
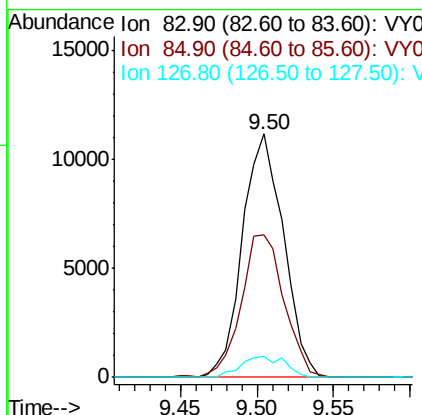
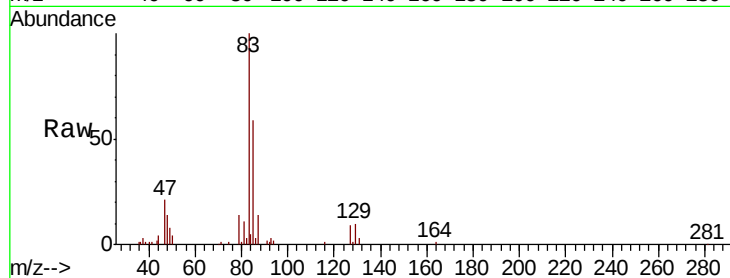
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	20823
Ion	Ratio	Lower	Upper
83	100		
85	58.6	51.0	76.4
127	8.5	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 6.407 ug/l

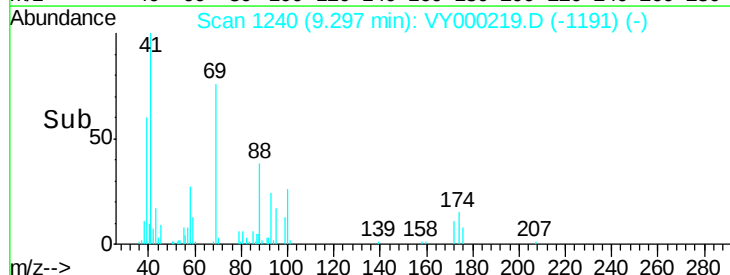
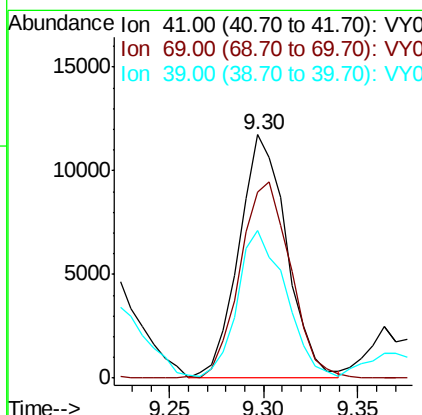
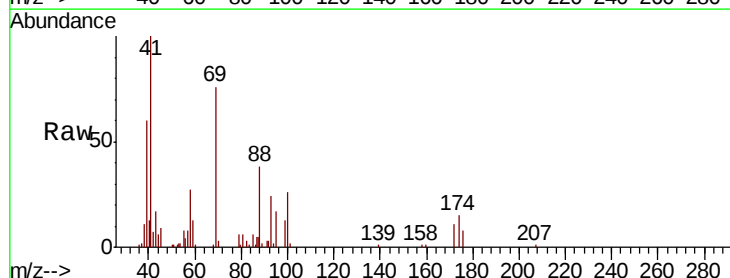
RT: 9.30 min Scan# 1240

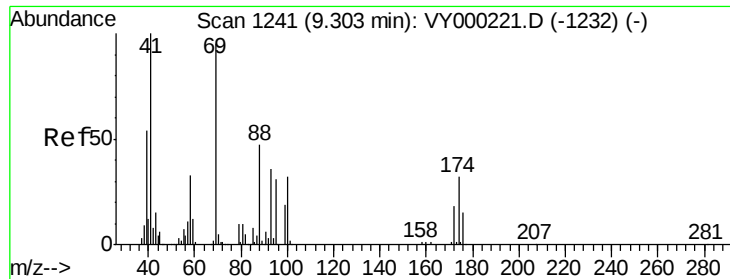
Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Tgt Ion:	41	Resp:	20662
Ion	Ratio	Lower	Upper
41	100		
69	85.2	77.6	116.4
39	61.4	48.7	73.1





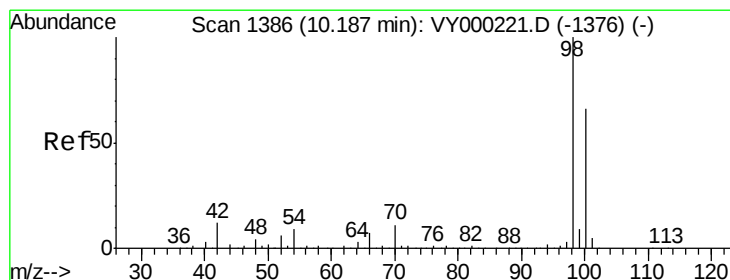
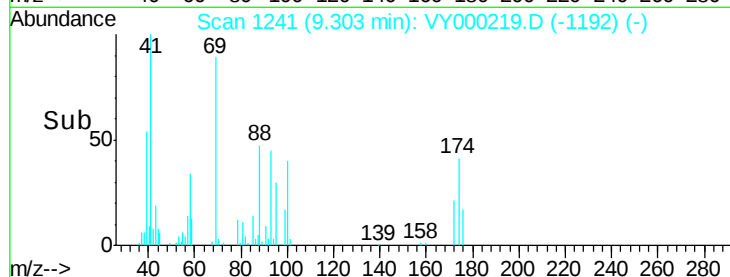
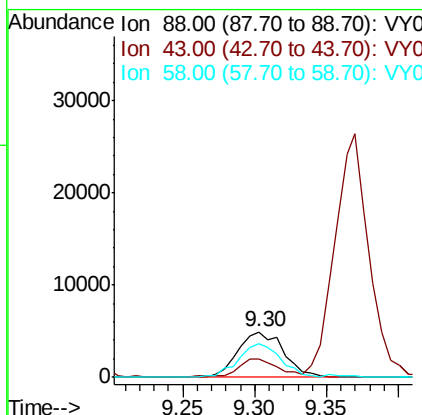
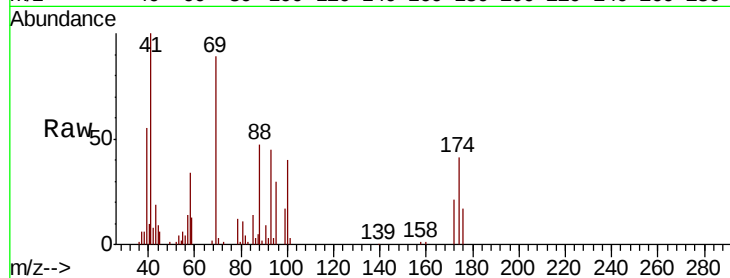
#49
1,4-Dioxane
Concen: 106.595 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	10773
Ion Ratio	Lower	Upper	
88	100		
43	37.1	20.2	30.2#
58	69.1	46.8	70.2

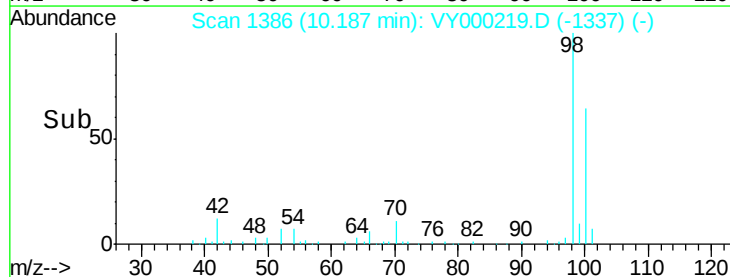
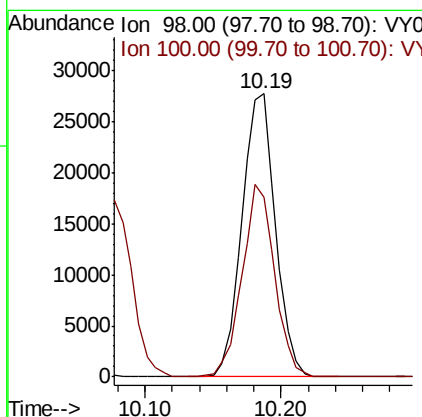
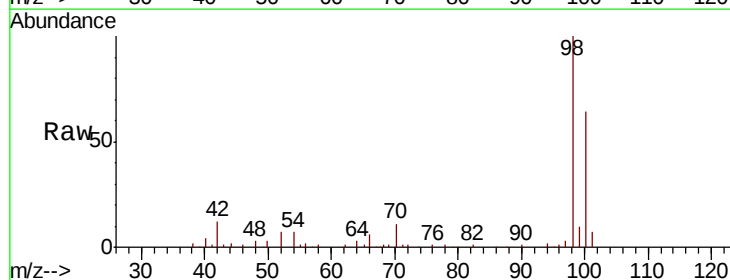
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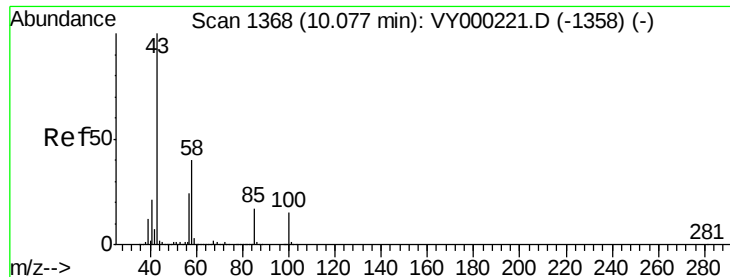
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#50
Toluene-d8
Concen: 4.869 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	98	Resp	47519
Ion Ratio	Lower	Upper	
98	100		
100	66.3	53.6	80.4





#51

4-Methyl-2-Pentanone

Concen: 30.965 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 171909

Ion Ratio Lower Upper

43 100

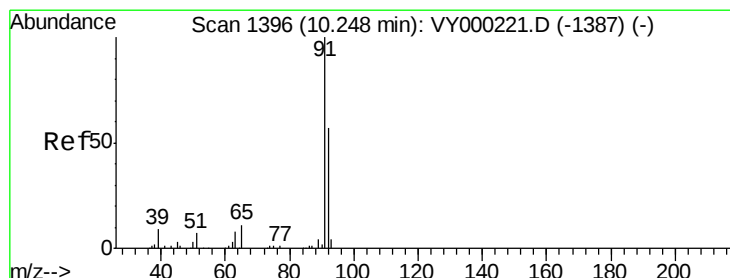
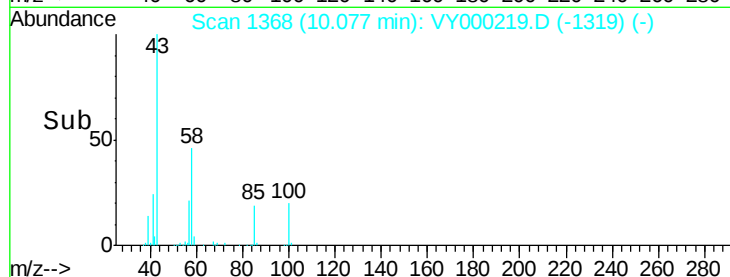
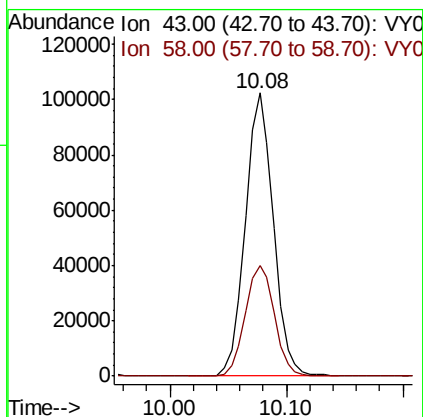
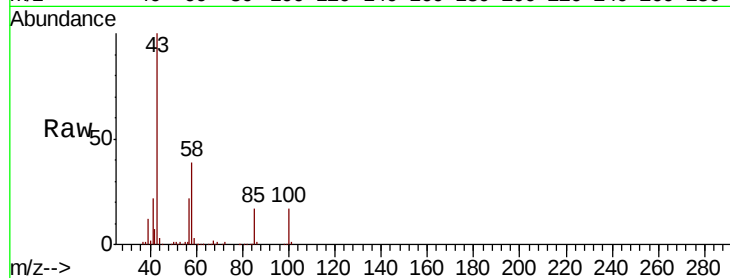
58 40.9 33.0 49.6

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#52

Toluene

Concen: 5.186 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000219.D

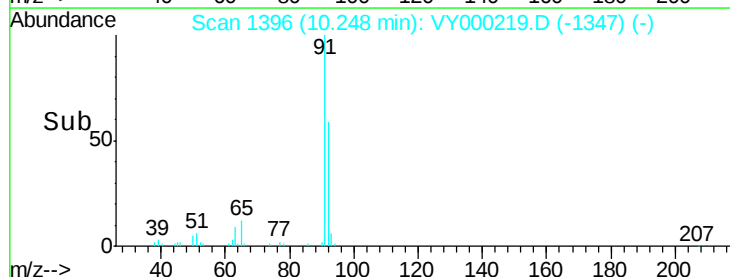
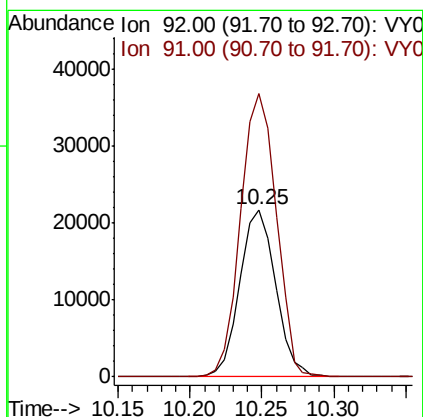
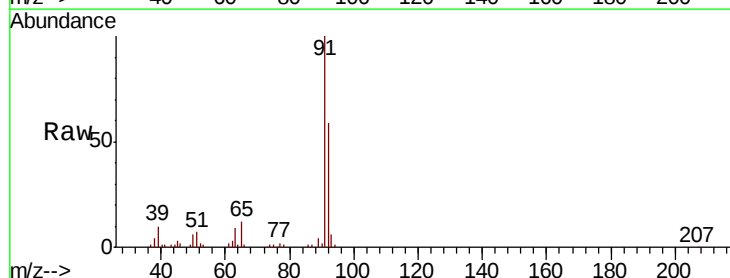
Acq: 08 Oct 2019 13:00

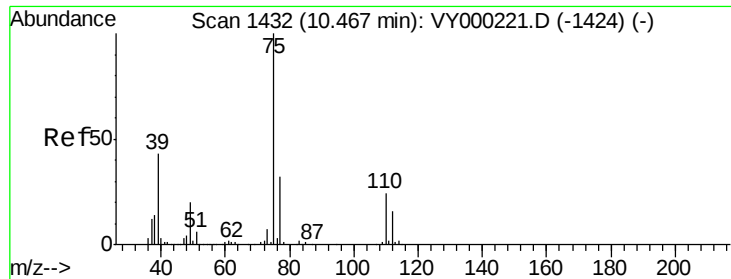
Tgt Ion: 92 Resp: 37578

Ion Ratio Lower Upper

92 100

91 169.2 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 5.370 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 22950

Ion Ratio Lower Upper

75 100

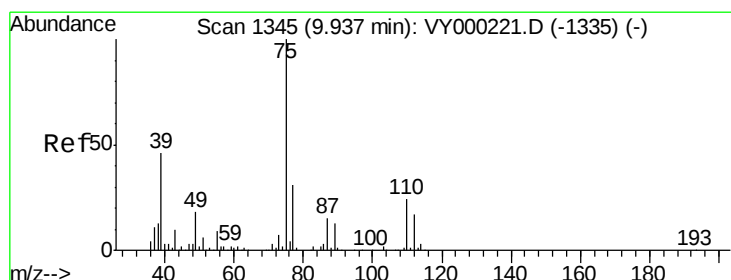
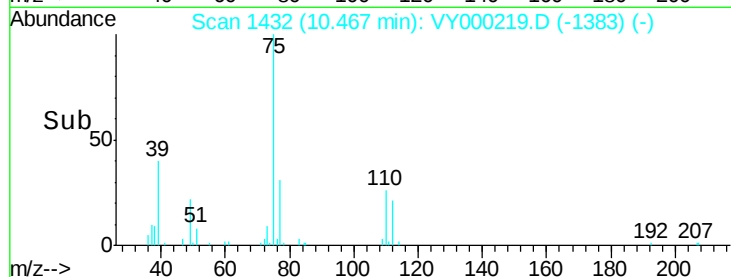
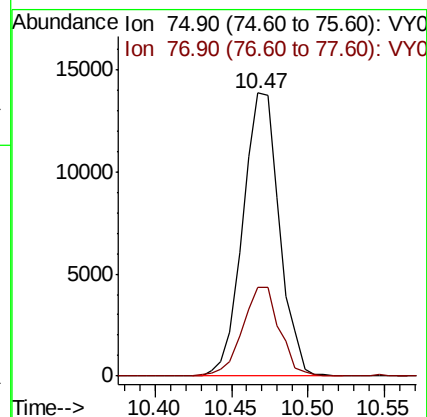
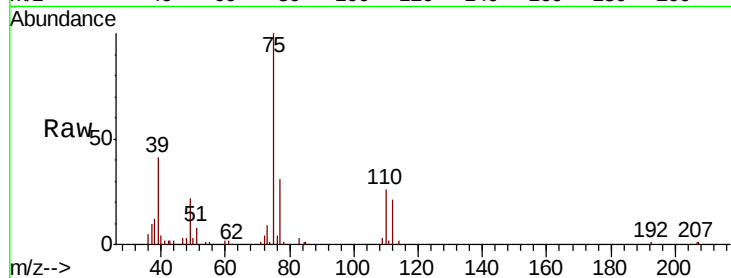
77 31.4 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 5.396 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

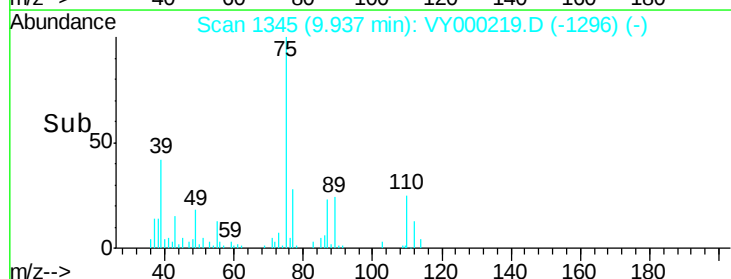
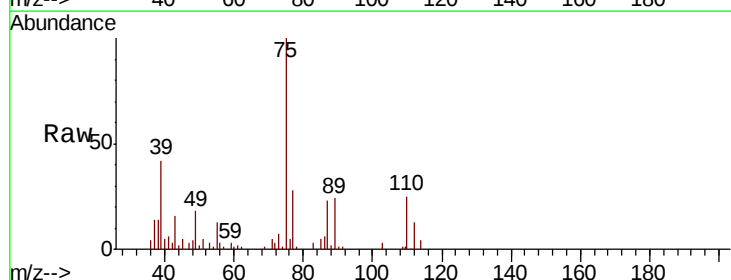
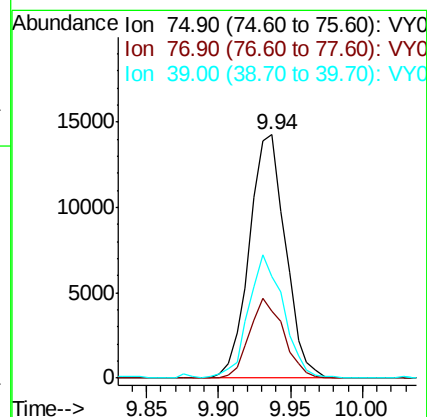
Tgt Ion: 75 Resp: 24699

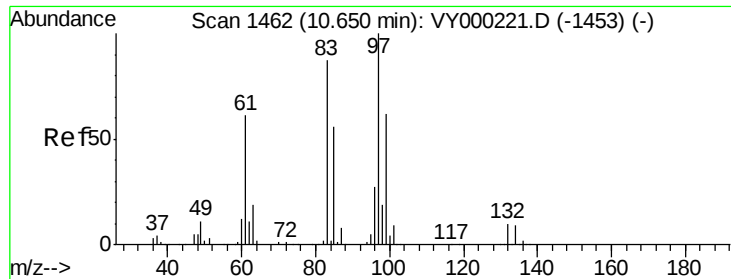
Ion Ratio Lower Upper

75 100

77 27.7 24.8 37.2

39 41.8 33.2 49.8





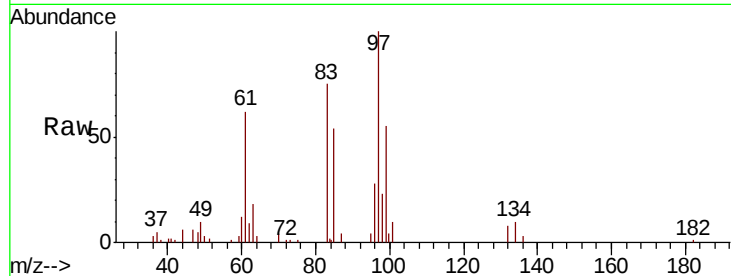
#55
 1,1,2-Trichloroethane
 Concen: 5.257 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

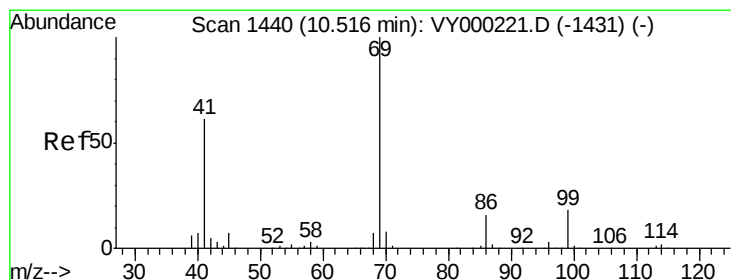
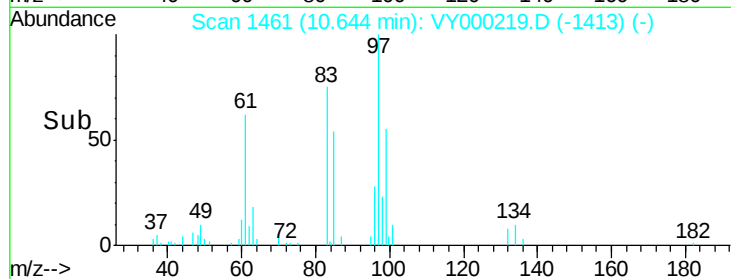
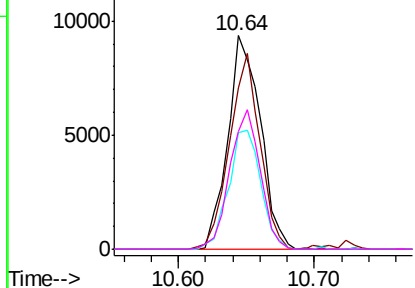
Tot Ion	Ratio	Lower	Upper
97	100		
83	75.2	66.2	99.2
85	54.4	41.0	61.6
99	55.3	47.0	70.6

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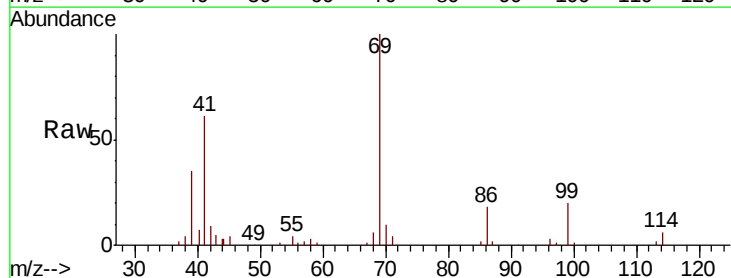


Abundance Ion 96.90 (96.60 to 97.60): VY0
 Ion 82.90 (82.60 to 83.60): VY0
 Ion 84.90 (84.60 to 85.60): VY0
 Ion 98.90 (98.60 to 99.60): VY0

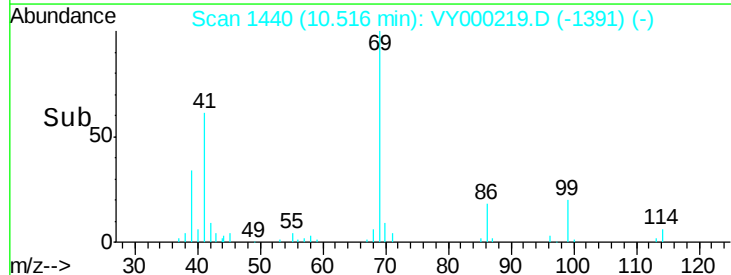
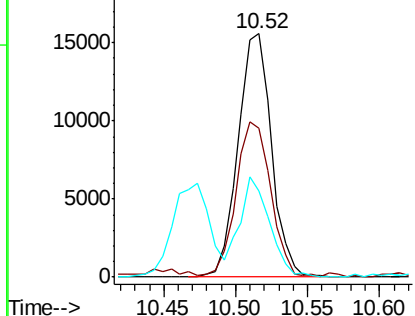


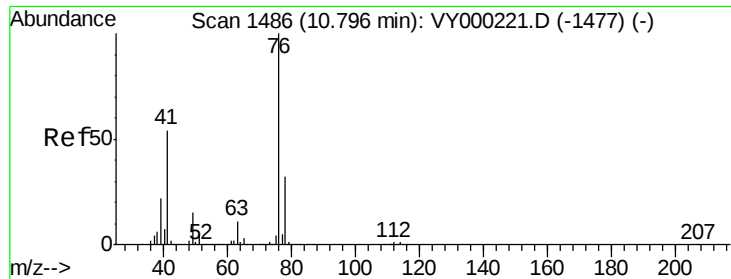
#56
 Ethyl methacrylate
 Concen: 5.550 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.3	46.9	70.3
39	37.0	27.4	41.0



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





#57

1,3-Dichloropropane

Concen: 5.426 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.01 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 25625

Ion Ratio Lower Upper

76 100

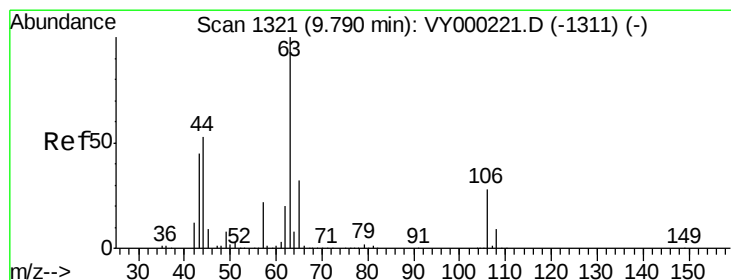
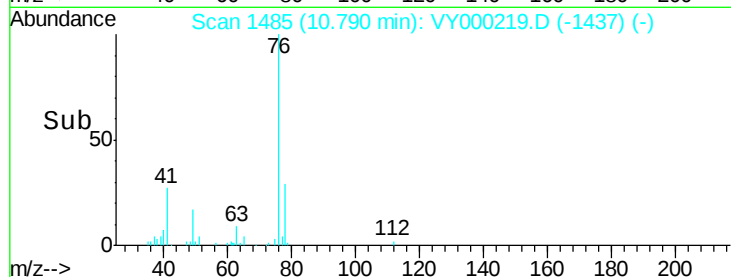
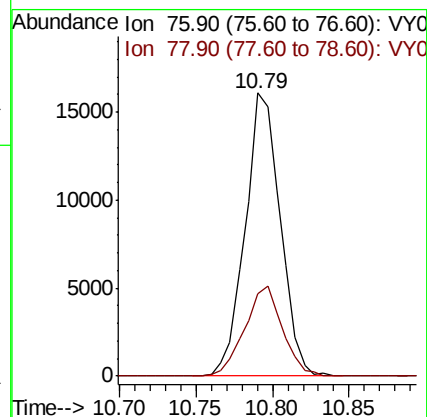
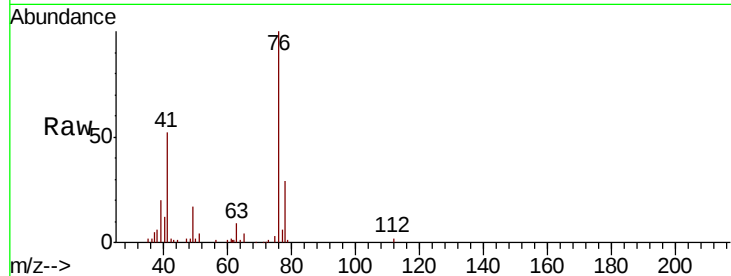
78 34.0 25.8 38.8

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10/10/2019 12:52:18 AM



#58

2-Chloroethyl Vinyl ether

Concen: 24.053 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.00 min

Lab File: VY000219.D

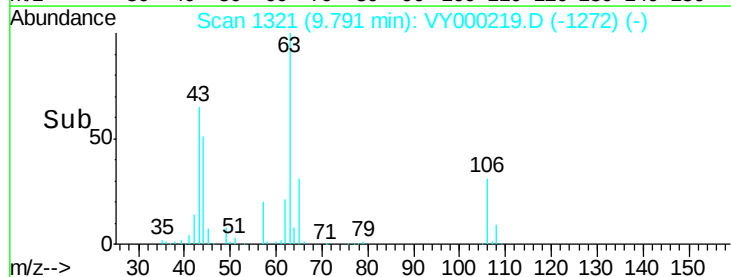
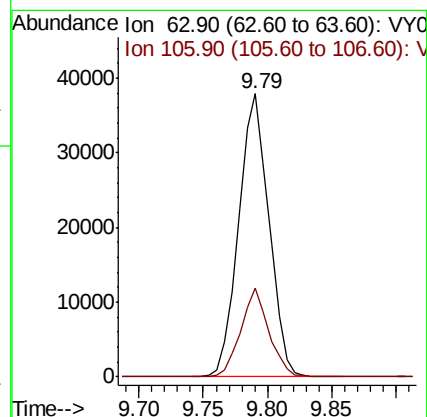
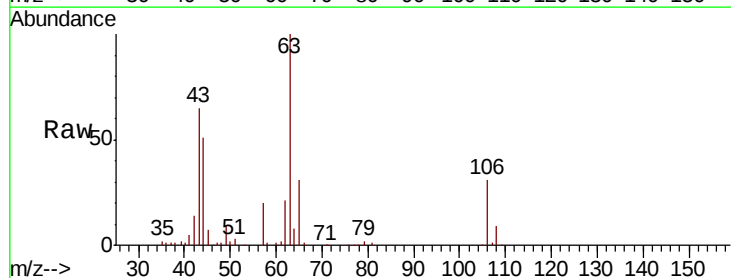
Acq: 08 Oct 2019 13:00

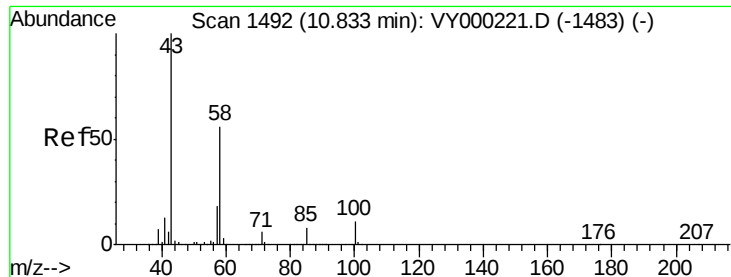
Tgt Ion: 63 Resp: 61882

Ion Ratio Lower Upper

63 100

106 29.0 26.8 40.2





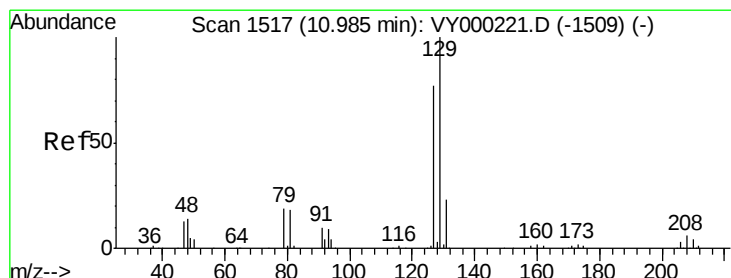
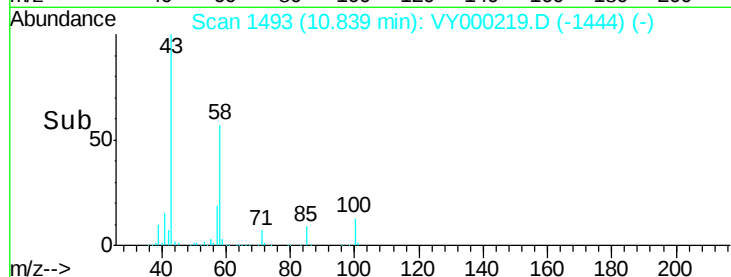
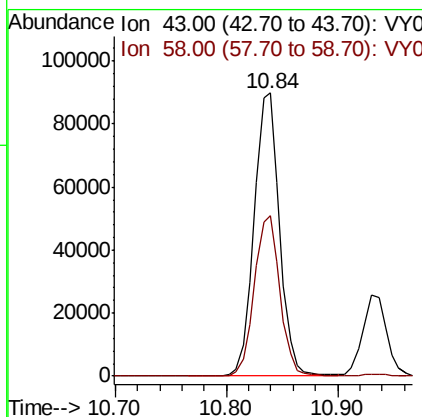
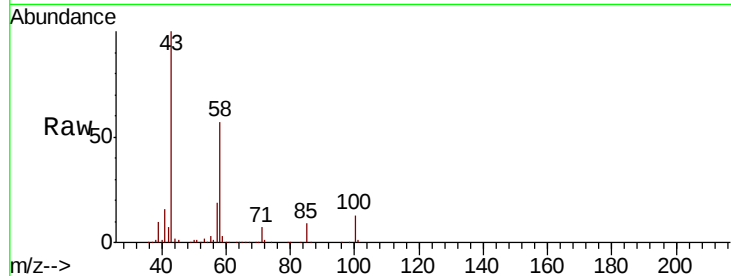
#59
2-Hexanone
Concen: 30.307 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 143050
Ion Ratio Lower Upper
43 100
58 57.0 28.7 86.1

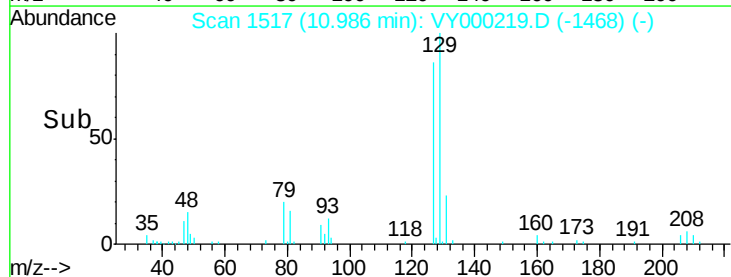
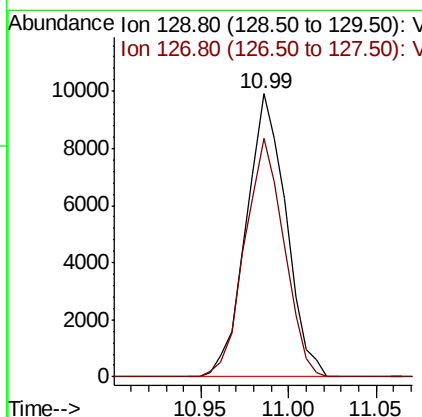
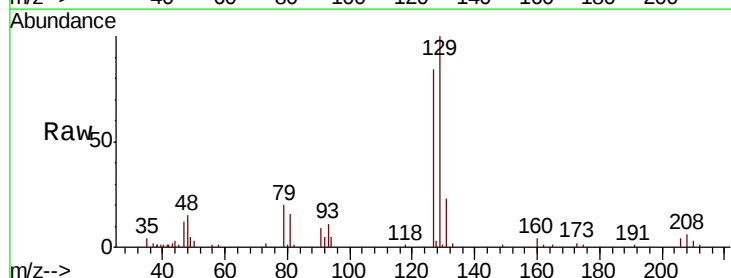
Manual Integrations
APPROVED

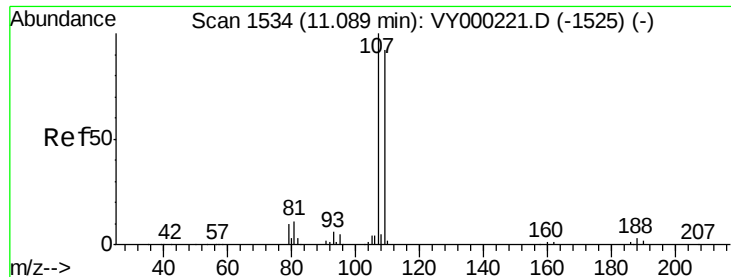
MMDadoda
10/10/2019 12:52:18 AM



#60
Dibromochloromethane
Concen: 4.720 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion: 129 Resp: 15660
Ion Ratio Lower Upper
129 100
127 83.1 39.2 117.6





#61

1,2-Dibromoethane

Concen: 4.992 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 16085

Ion Ratio Lower Upper

107 100

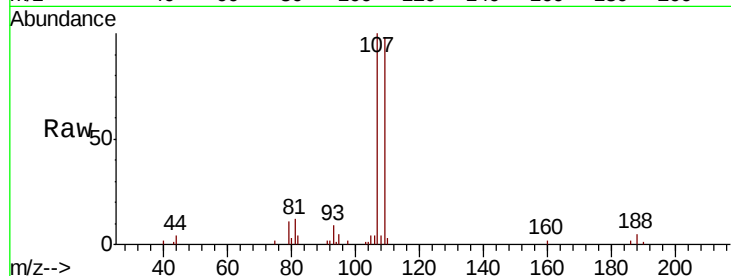
109 94.2 75.0 112.6

Manual Integrations

APPROVED

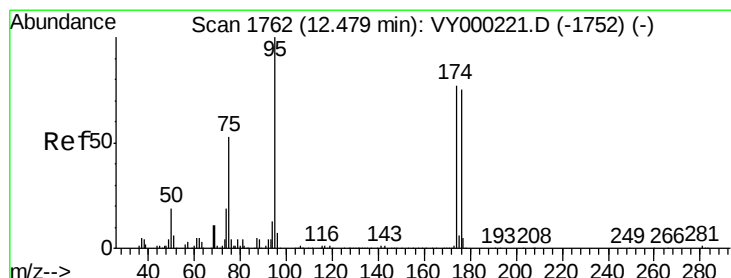
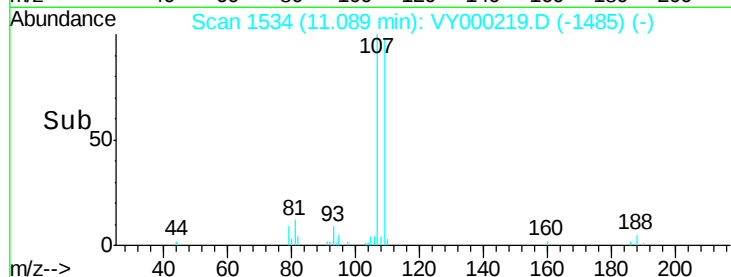
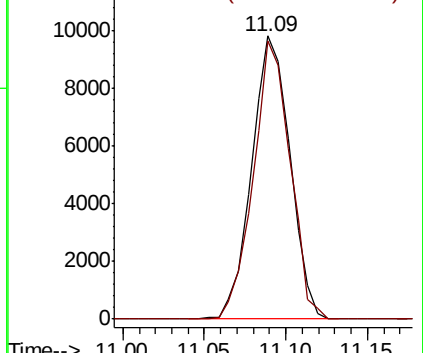
MMDadoda

10/10/2019 12:52:18 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.768 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.01 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

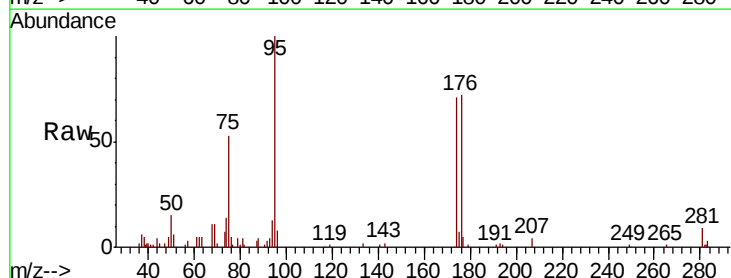
Tgt Ion: 95 Resp: 16784

Ion Ratio Lower Upper

95 100

174 83.7 0.0 188.4

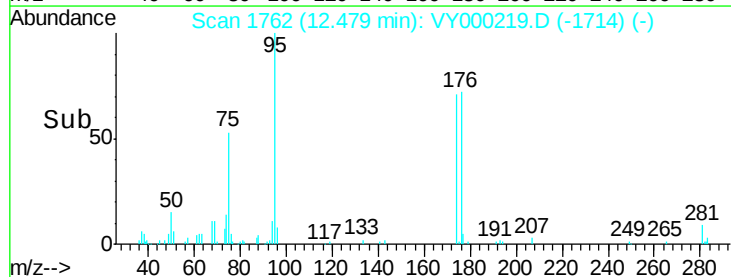
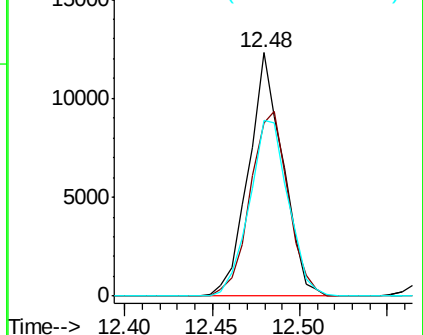
176 81.9 0.0 182.8

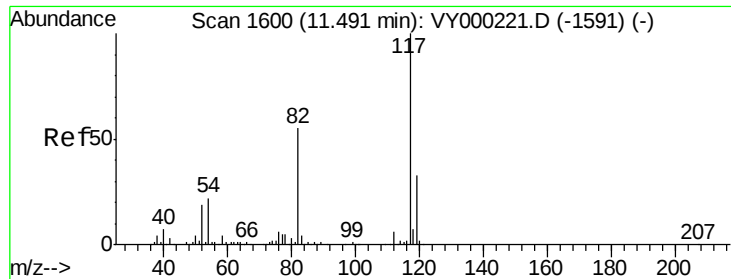


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





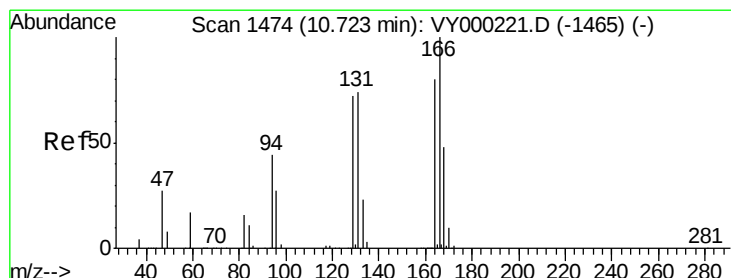
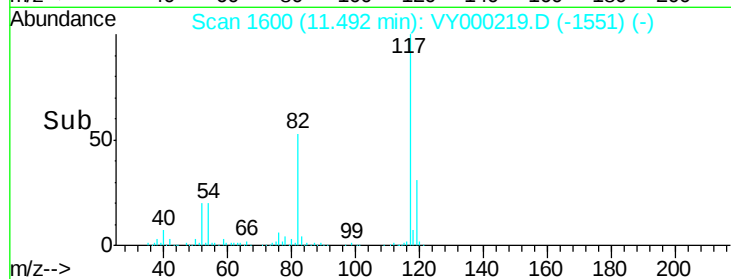
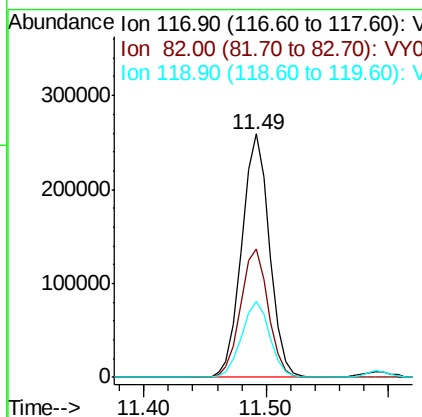
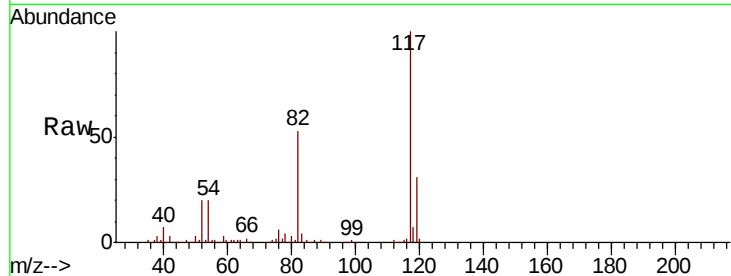
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	405829		
82	52.9		39.4	59.2
119	31.4		25.8	38.6

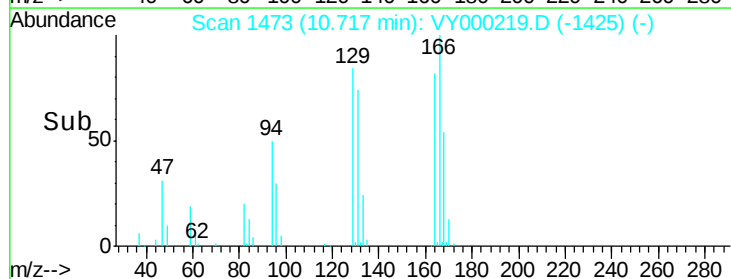
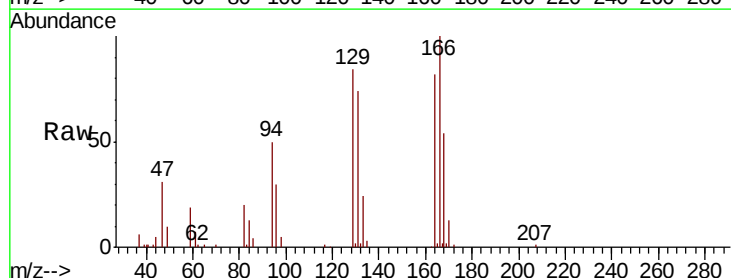
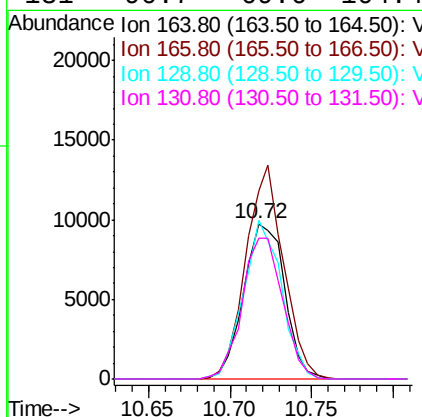
Manual Integrations
APPROVED

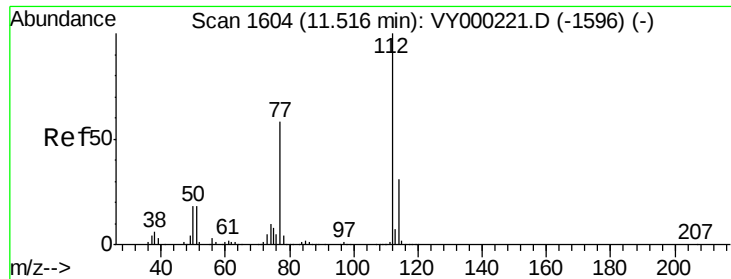
MMDadoda
10/10/2019 12:52:18 AM



#64
Tetrachloroethene
Concen: 4.765 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.01 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	17173		
166	121.9		98.4	147.6
129	102.1		68.6	103.0
131	90.7		69.6	104.4





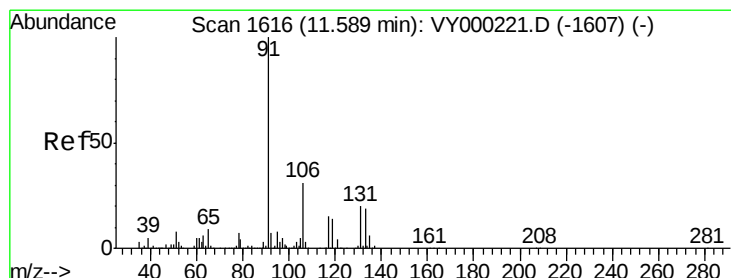
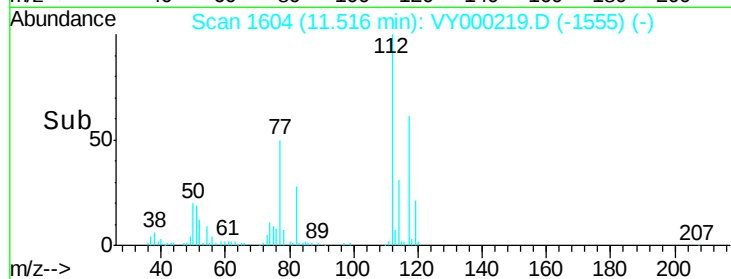
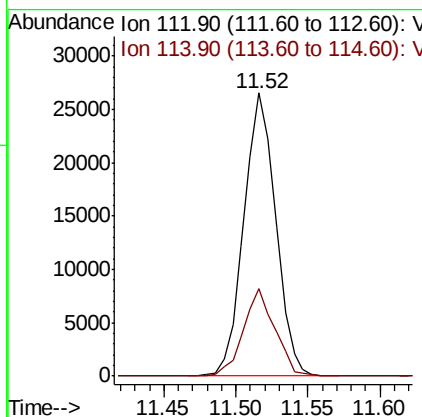
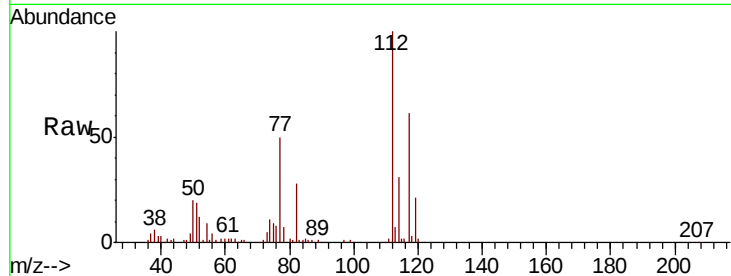
#65
Chlorobenzene
Concen: 5.157 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	24.4	36.6

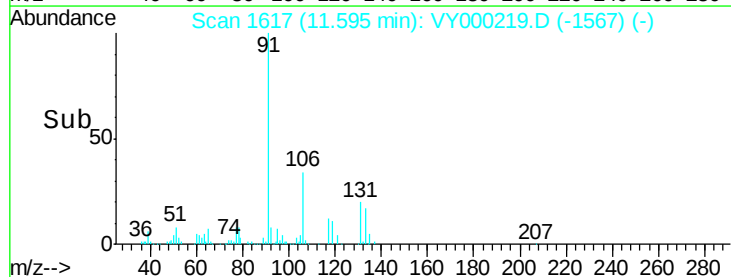
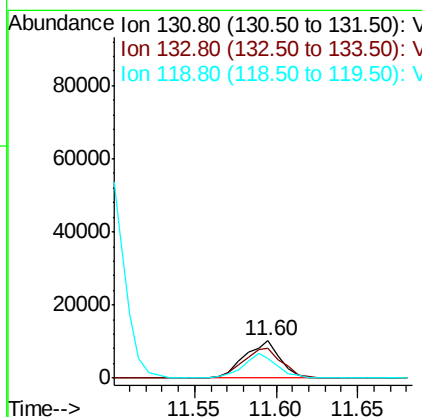
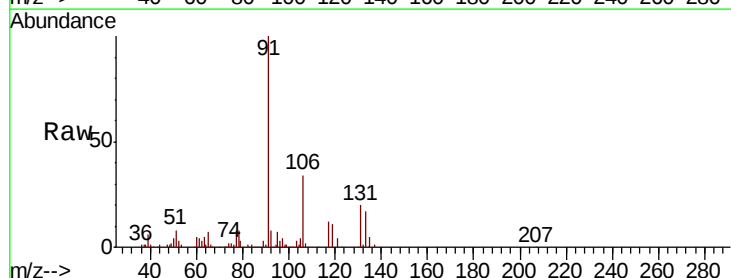
Manual Integrations
APPROVED

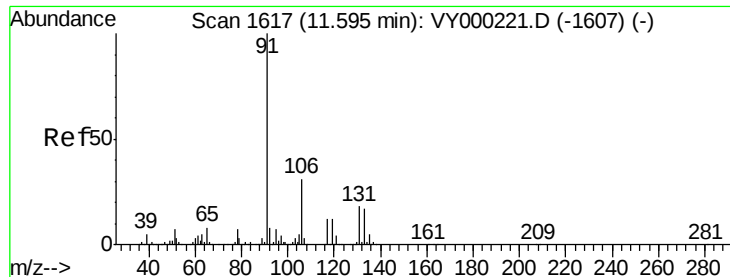
MMDadoda
10/10/2019 12:52:18 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.215 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.01 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	87.9	47.1	141.4
119	59.9	31.4	94.3





#67

Ethyl Benzene

Concen: 5.315 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 72515

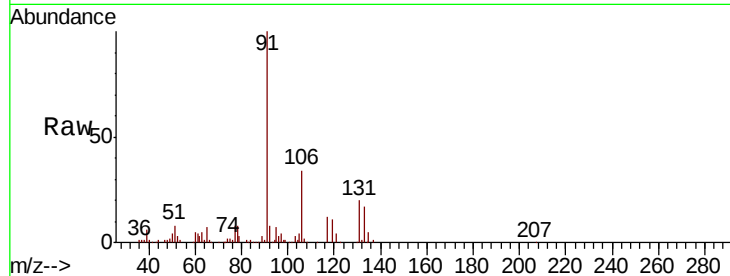
Ion Ratio Lower Upper

91 100

106 34.3 26.9 40.3

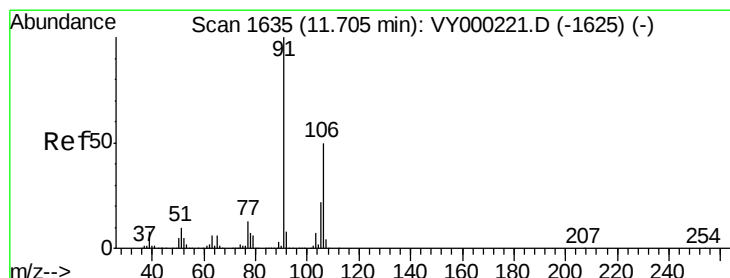
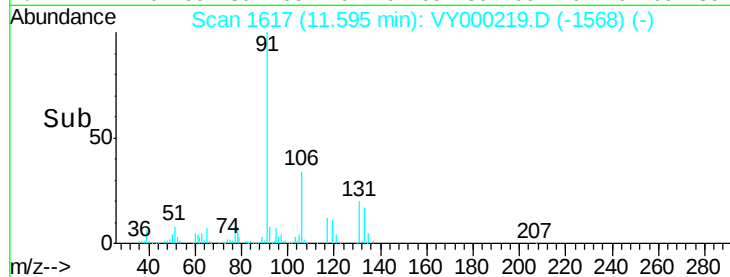
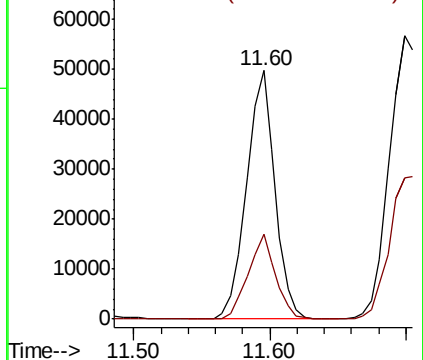
Manual Integrations
APPROVED

MMDadoda
10/10/2019 12:52:18 AM



Abundance Ion 91.00 (90.70 to 91.70): VY000221.D (-1607) (-)

Ion 106.00 (105.70 to 106.70): VY000221.D (-1607) (-)



#68

m/p-Xylenes

Concen: 10.361 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000219.D

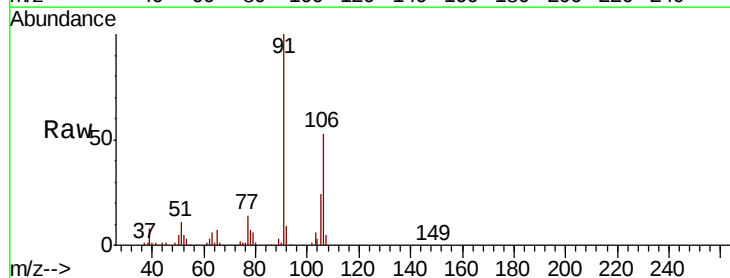
Acq: 08 Oct 2019 13:00

Tgt Ion: 106 Resp: 55740

Ion Ratio Lower Upper

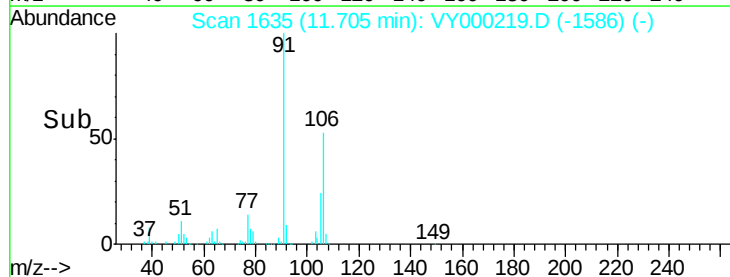
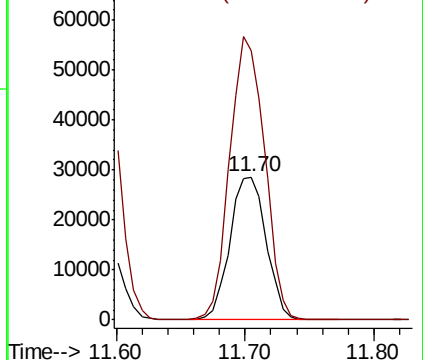
106 100

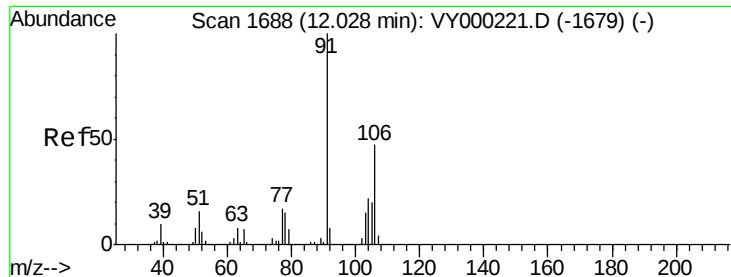
91 191.8 153.0 229.6



Abundance Ion 106.00 (105.70 to 106.70): VY000221.D (-1625) (-)

Ion 91.00 (90.70 to 91.70): VY000221.D (-1625) (-)





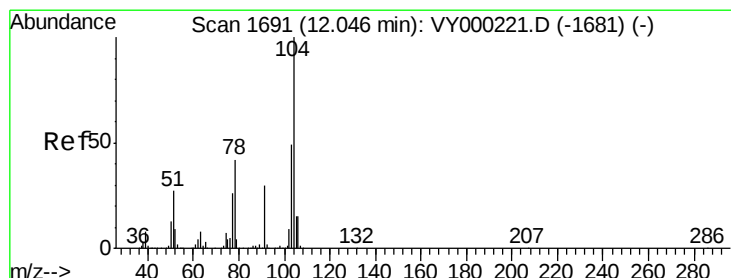
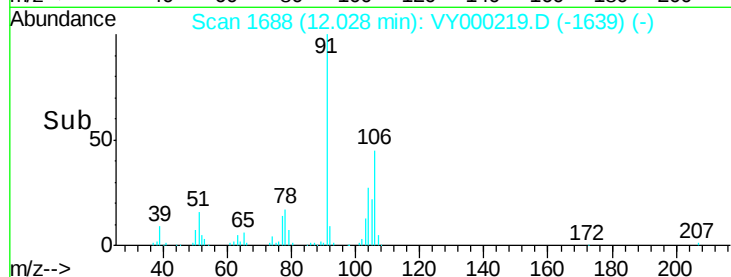
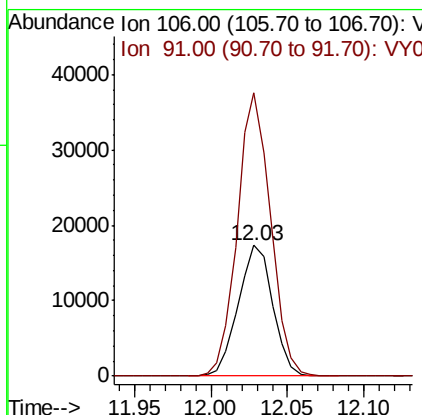
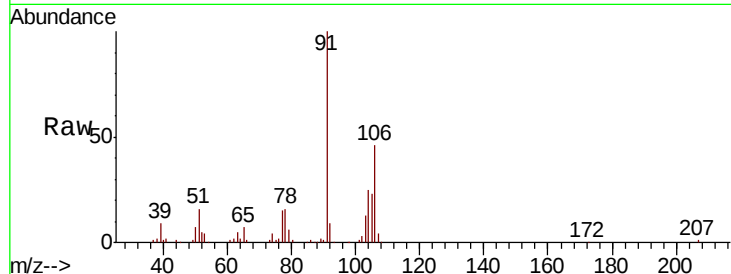
#69
o-Xylene
Concen: 5.139 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 27216
Ion Ratio Lower Upper
106 100
91 207.6 100.8 302.6

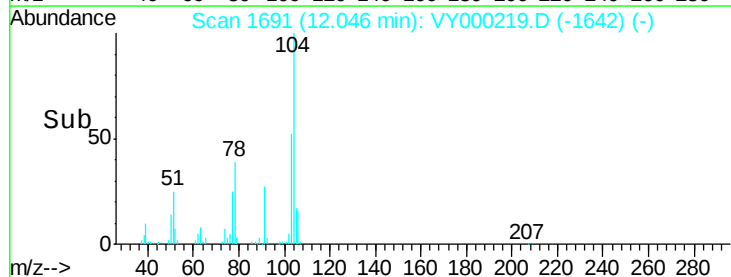
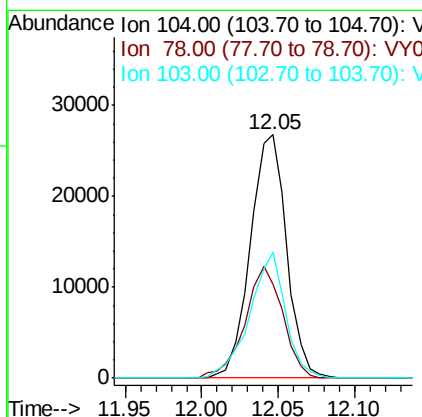
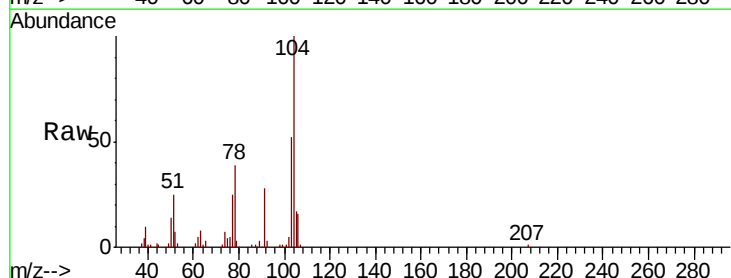
Manual Integrations
APPROVED

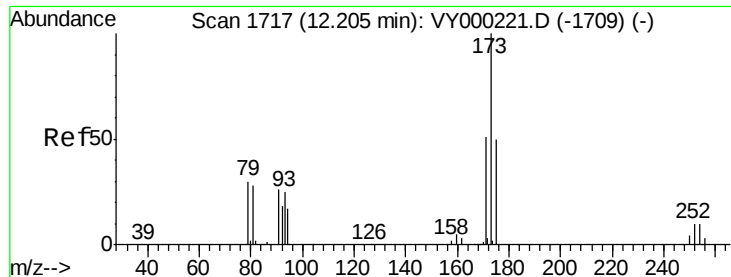
MMDadoda
10/10/2019 12:52:18 AM



#70
Styrene
Concen: 5.040 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion:104 Resp: 44191
Ion Ratio Lower Upper
104 100
78 48.0 35.6 53.4
103 51.1 42.2 63.4





#71

Bromoform

Concen: 4.669 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 12195

Ion Ratio Lower Upper

173 100

175 48.7 23.9 71.8

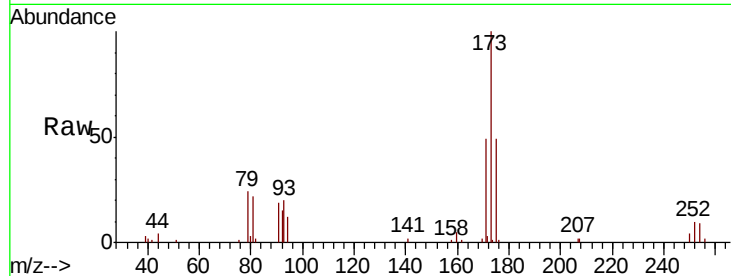
254 0.0 0.0 0.0

Manual Integrations

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MMDadoda

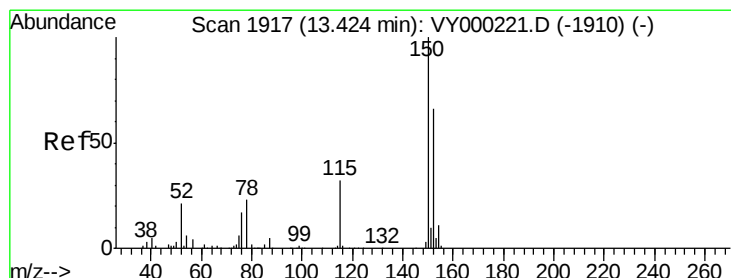
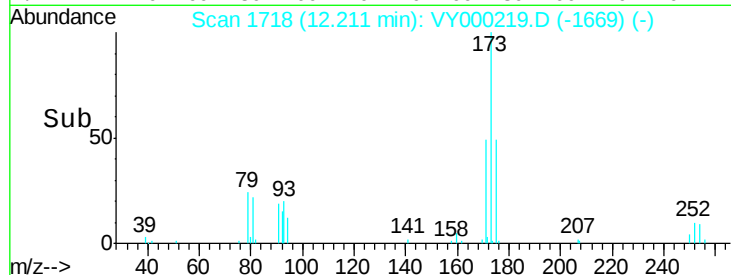
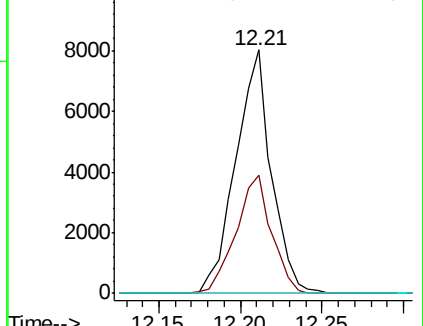
10/10/2019 12:52:18 AM



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: VY000219.D

Acq: 08 Oct 2019 13:00

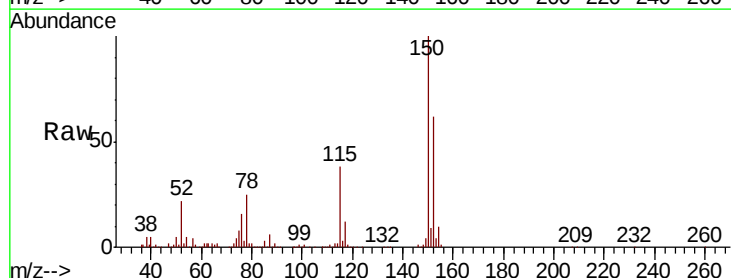
Tgt Ion:152 Resp: 184337

Ion Ratio Lower Upper

152 100

115 59.4 26.0 78.0

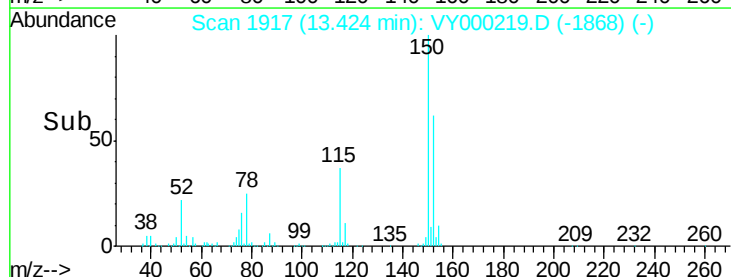
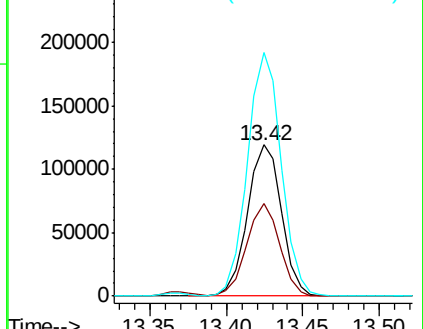
150 160.3 0.0 332.8

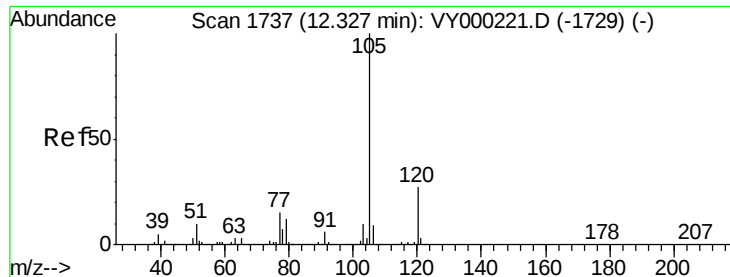


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





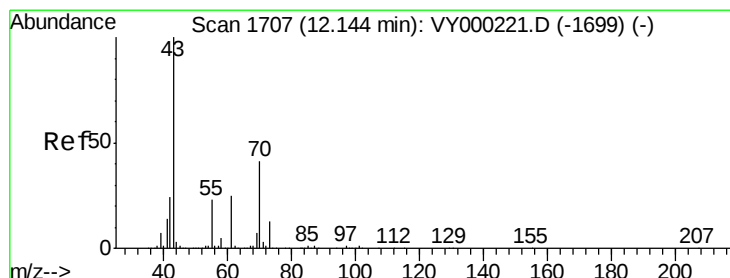
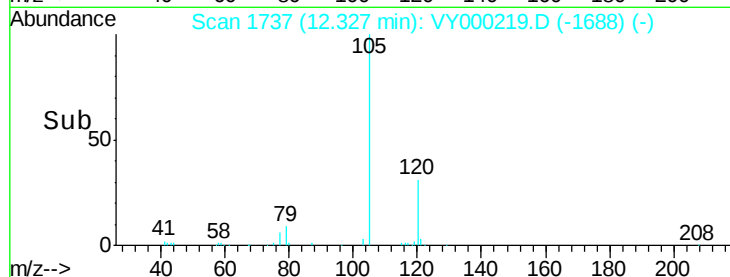
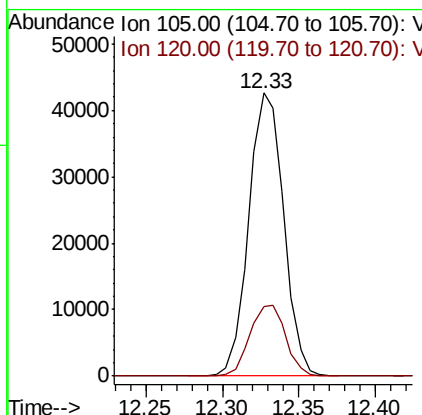
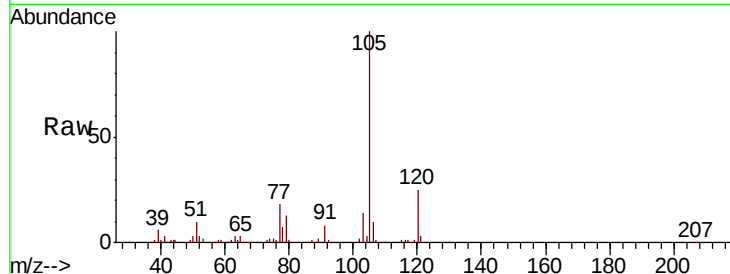
#73
Isopropylbenzene
Concen: 5.495 ug/l
RT: 12.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	14.4	43.0

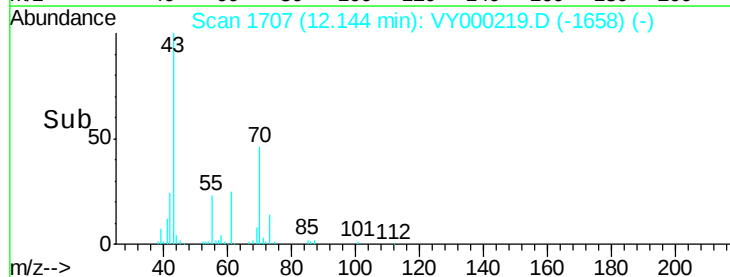
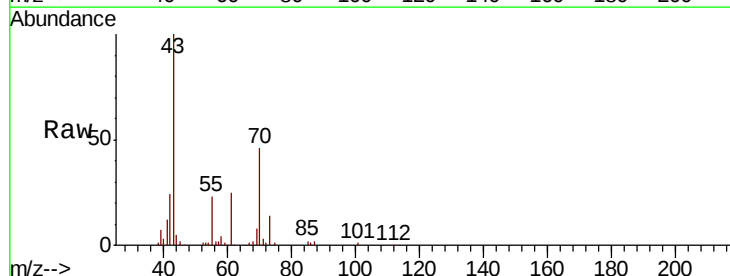
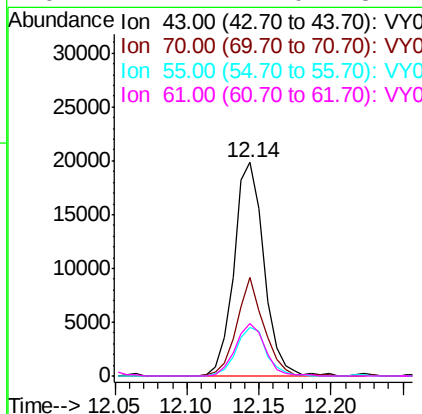
Manual Integrations
APPROVED

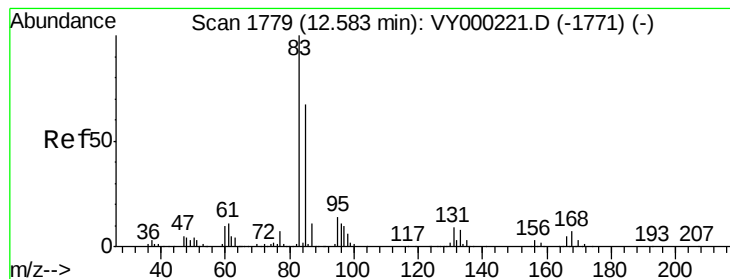
MMDadoda
10/10/2019 12:52:18 AM



#74
N-ethyl acetate
Concen: 6.070 ug/l
RT: 12.14 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	37.4	56.2
55	23.2	18.6	27.8
61	24.4	21.0	31.4





#75

1,1,2,2-Tetrachloroethane

Concen: 6.042 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

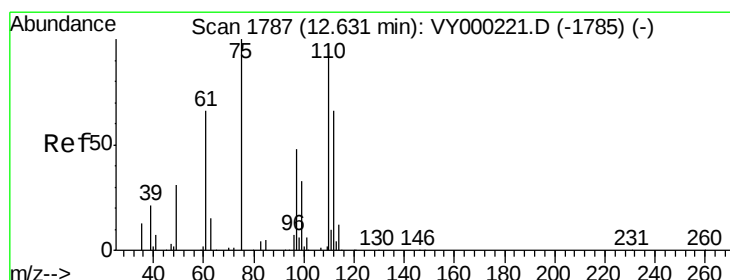
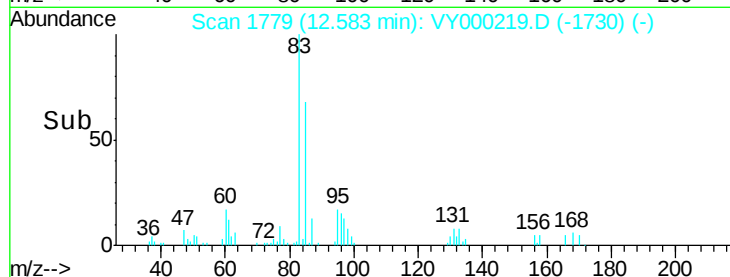
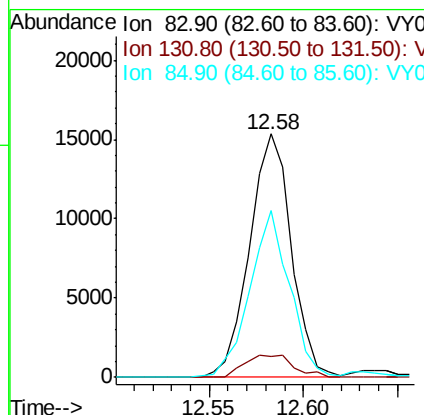
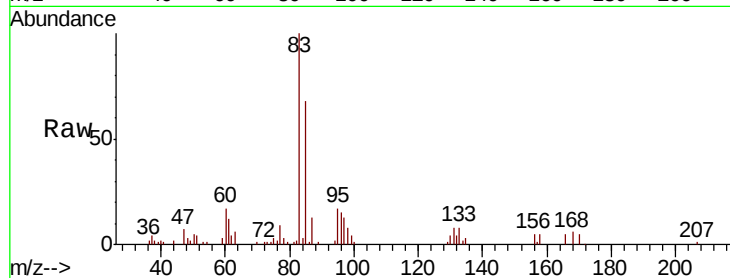
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23626
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.9	17.6
85	65.0	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 4.694 ug/l m

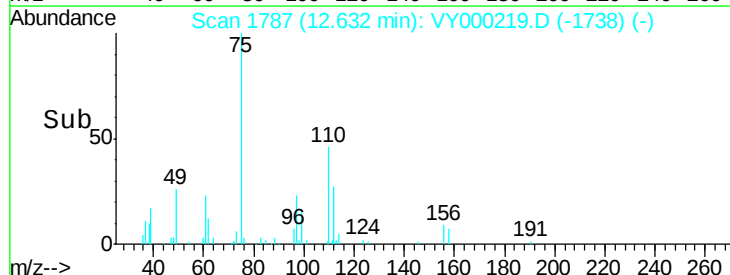
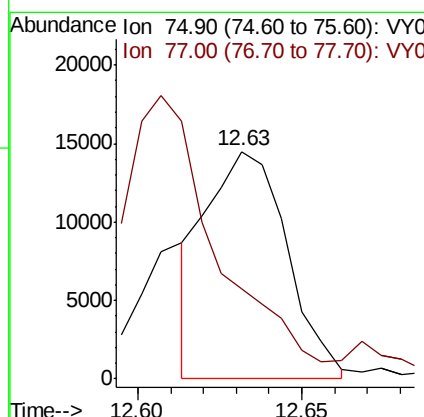
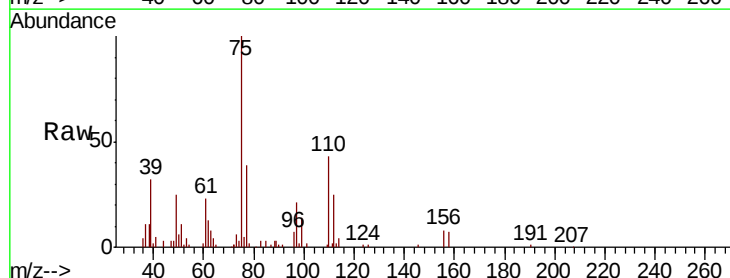
RT: 12.63 min Scan# 1787

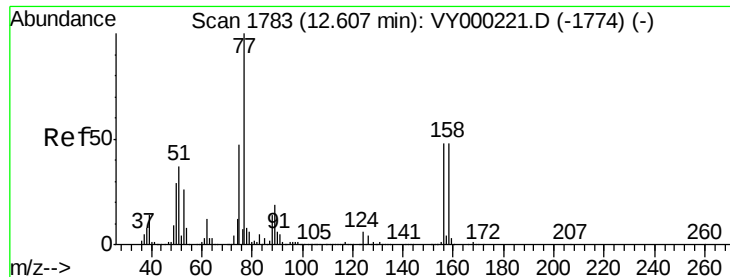
Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Tgt Ion:	75	Resp:	24940
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.239 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 16892

Ion Ratio Lower Upper

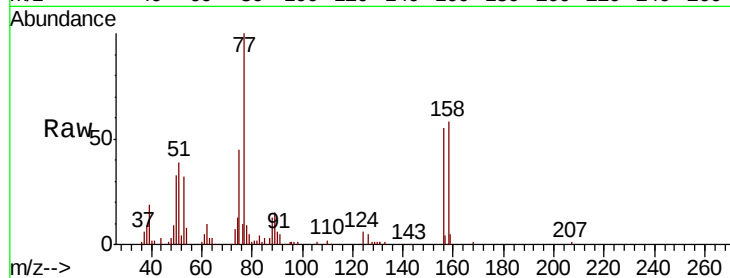
156 100

77 219.8 93.3 279.8

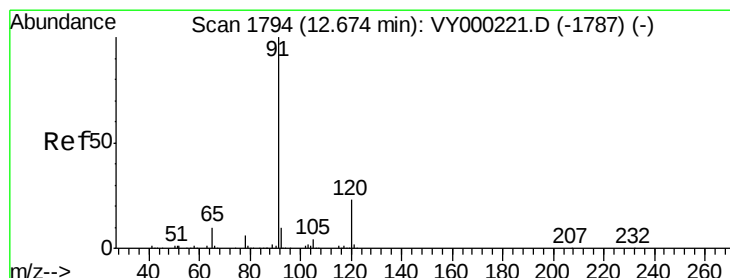
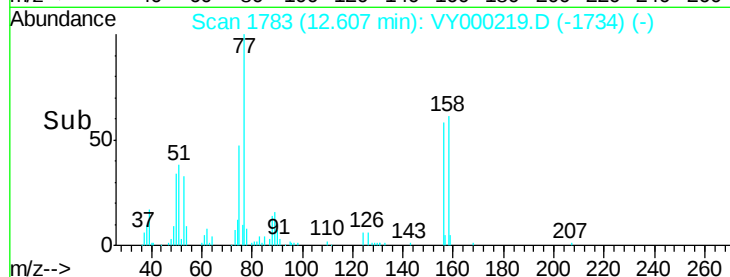
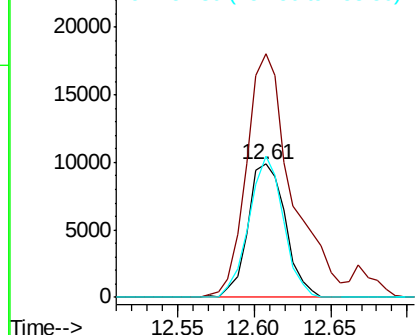
158 97.0 49.3 147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.539 ug/l

RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY000219.D

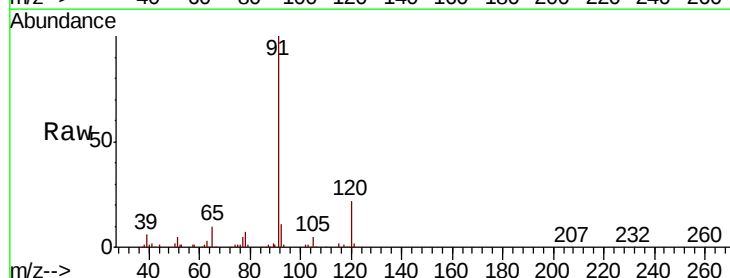
Acq: 08 Oct 2019 13:00

Tgt Ion: 91 Resp: 77549

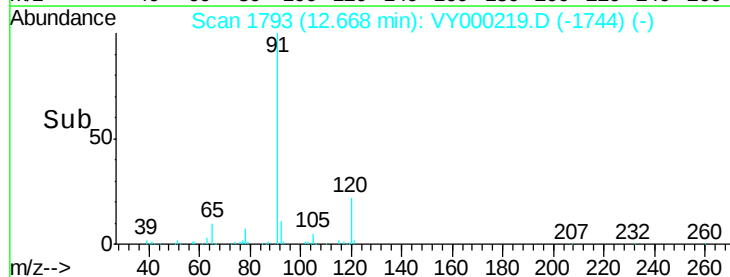
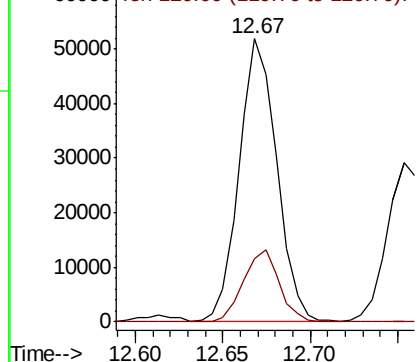
Ion Ratio Lower Upper

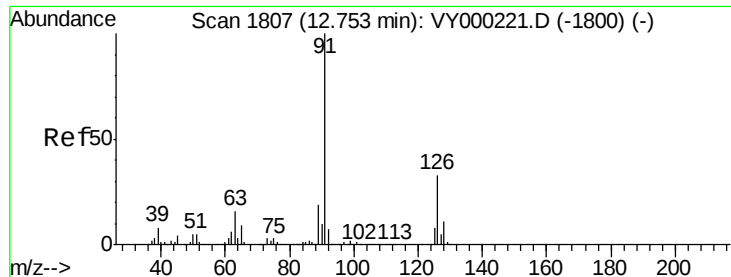
91 100

120 24.2 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.751 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 45517

Ion Ratio Lower Upper

91 100

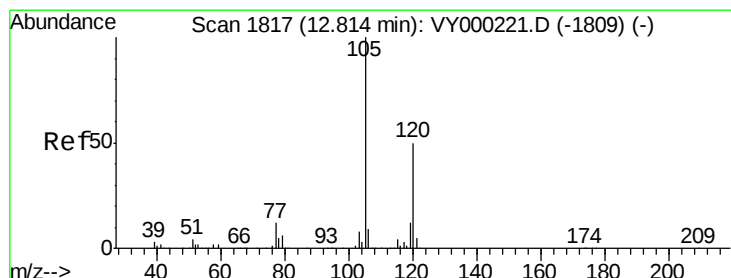
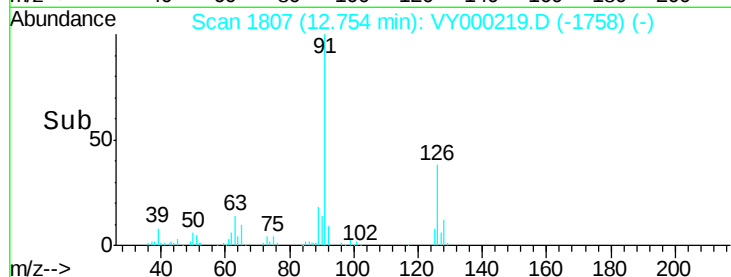
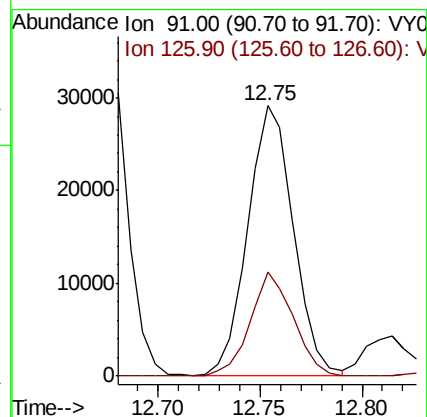
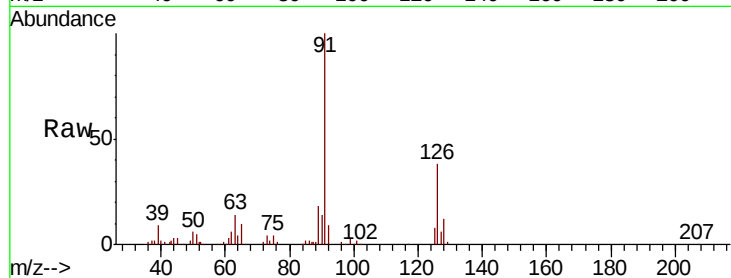
126 36.2 18.9 56.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.523 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000219.D

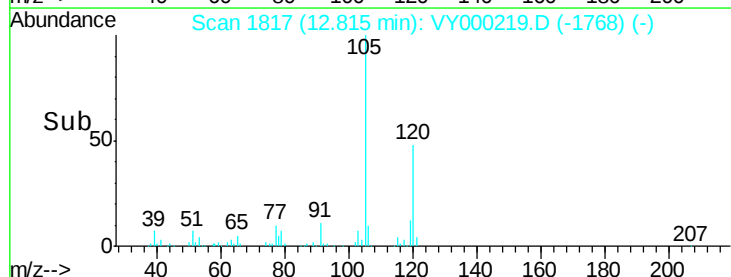
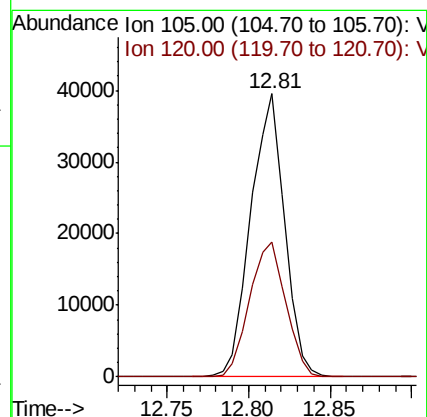
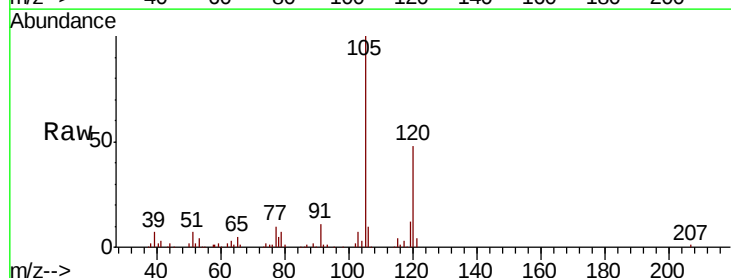
Acq: 08 Oct 2019 13:00

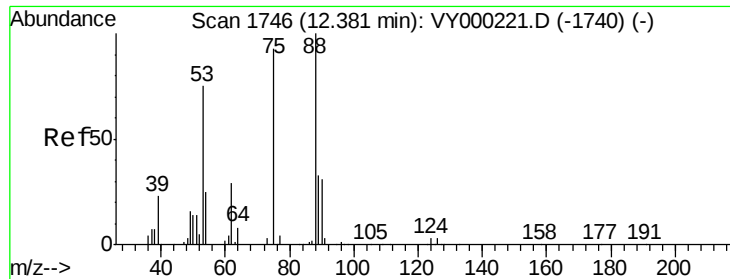
Tgt Ion: 105 Resp: 57100

Ion Ratio Lower Upper

105 100

120 51.1 26.3 78.8





#81

trans-1,4-Dichloro-2-butene

Concen: 5.105 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

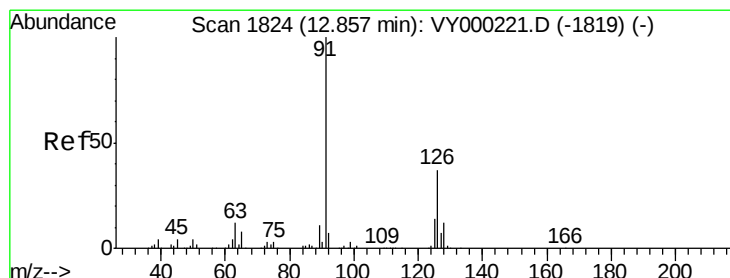
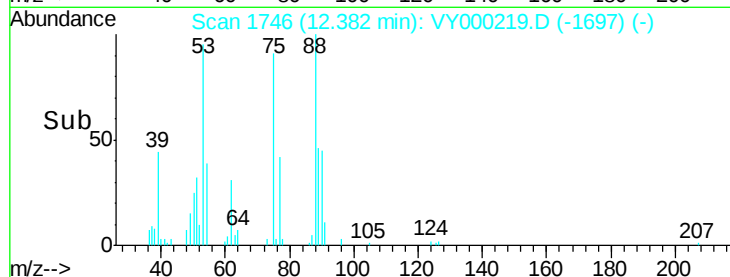
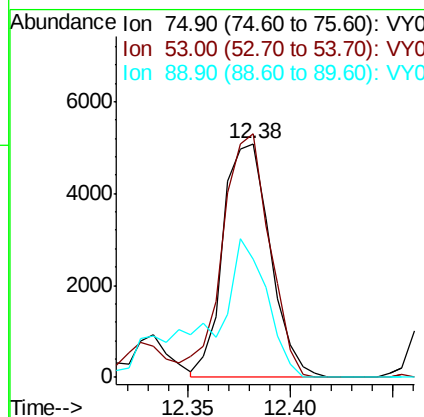
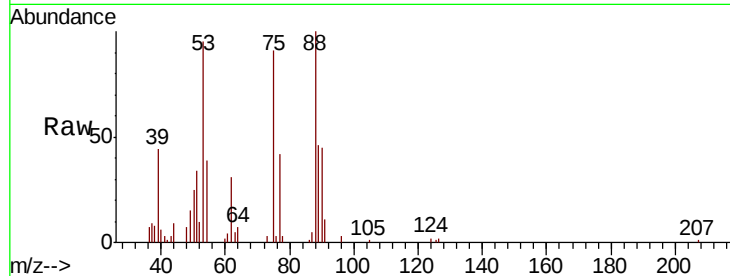
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	8161
Ion	Ratio	Lower	Upper
75	100		
53	104.1	68.1	102.1#
89	76.3	40.6	61.0#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.789 ug/l

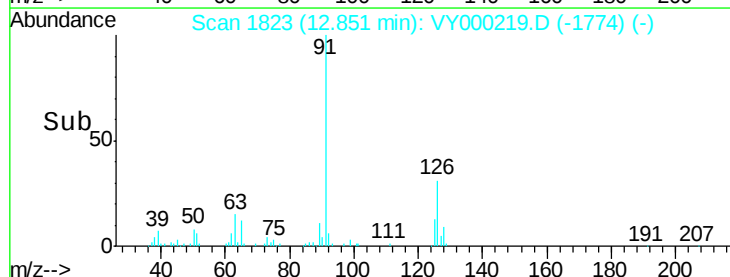
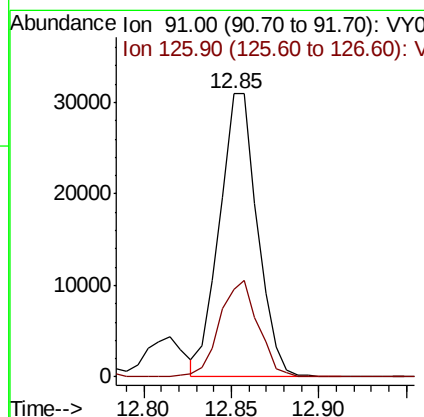
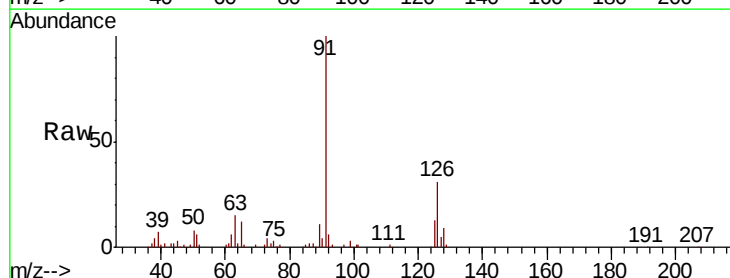
RT: 12.85 min Scan# 1823

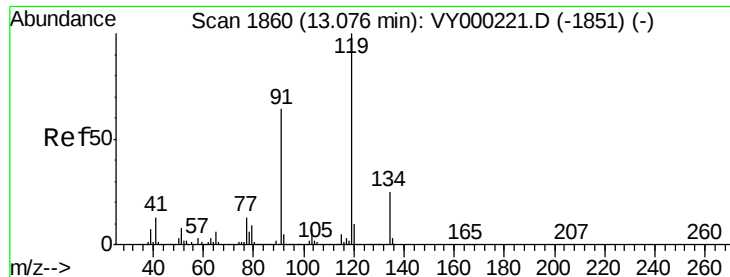
Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Tgt Ion:	91	Resp:	46847
Ion	Ratio	Lower	Upper
91	100		
126	34.5	18.9	56.9





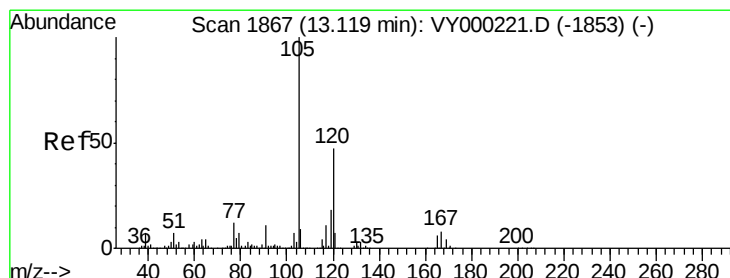
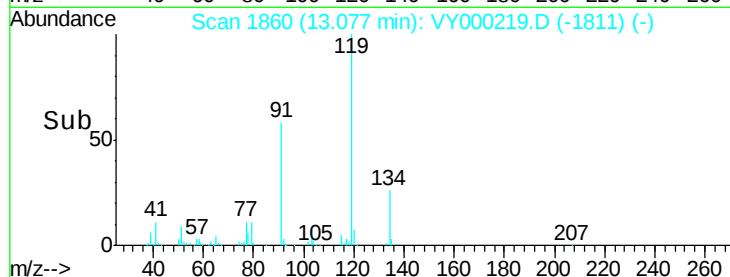
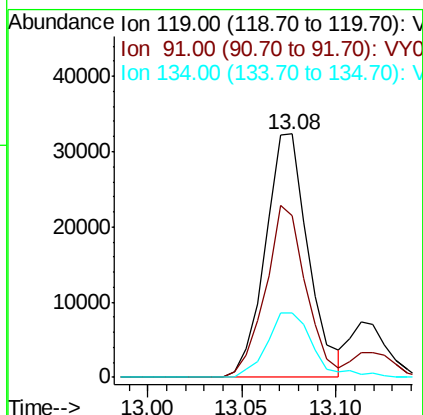
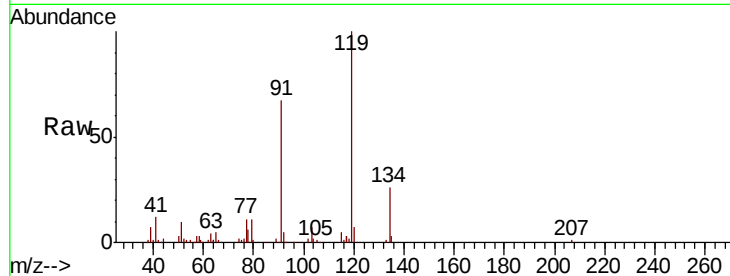
#83
tert-Butylbenzene
Concen: 5.465 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.4	30.4	91.3
134	28.4	13.7	41.0

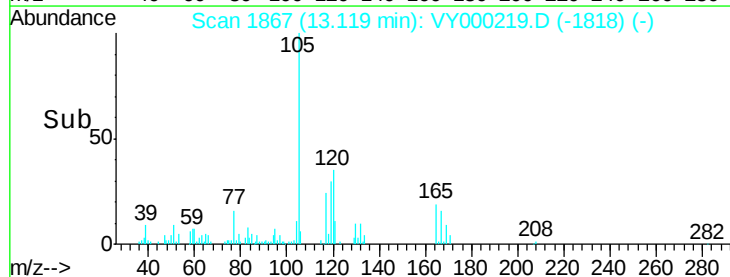
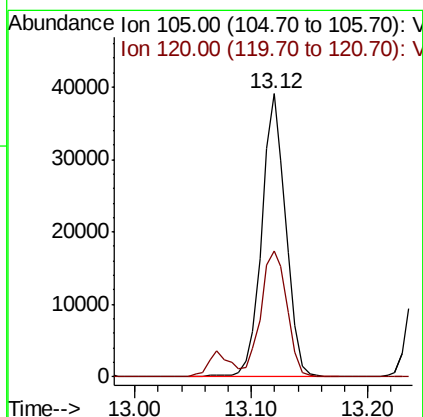
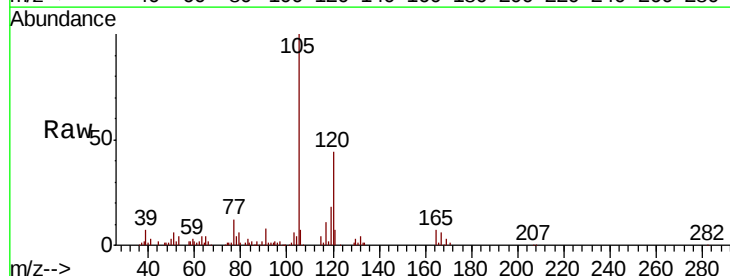
Manual Integrations
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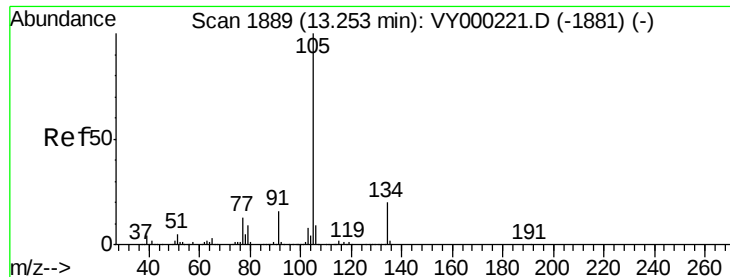
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 5.477 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	23.6	71.0





#85

sec-Butylbenzene

Concen: 5.366 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

Instrument :

MSVOA_Y

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 67941

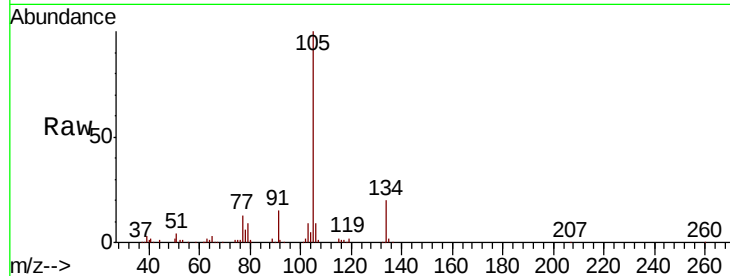
Ion Ratio Lower Upper

105 100

134 19.7 11.0 33.0

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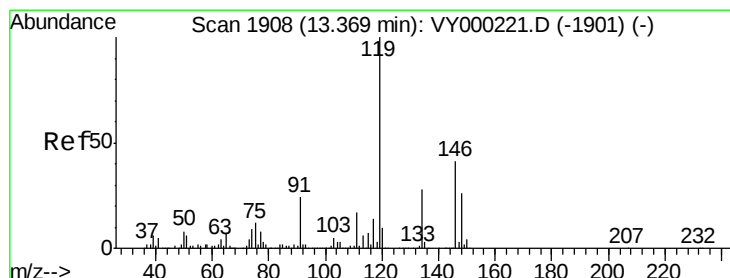
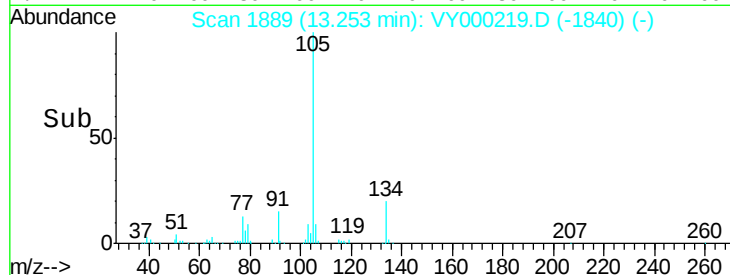


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

Time-->



#86

p-Isopropyltoluene

Concen: 5.148 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.00 min

Lab File: VY000219.D

Acq: 08 Oct 2019 13:00

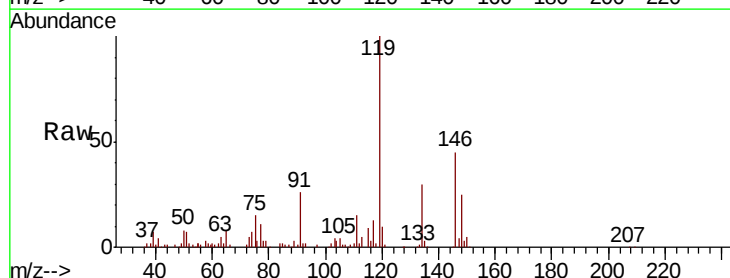
Tgt Ion:119 Resp: 59206

Ion Ratio Lower Upper

119 100

134 27.3 13.7 41.1

91 24.3 10.9 32.9



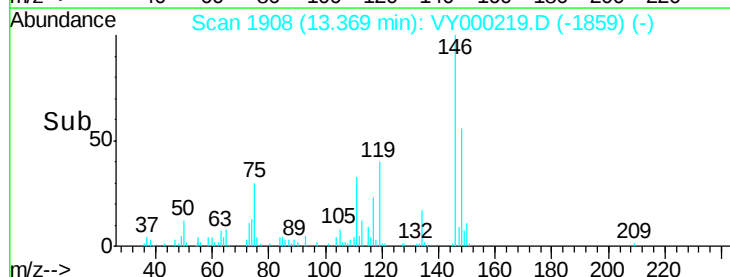
Abundance Ion 119.00 (118.70 to 119.70): V

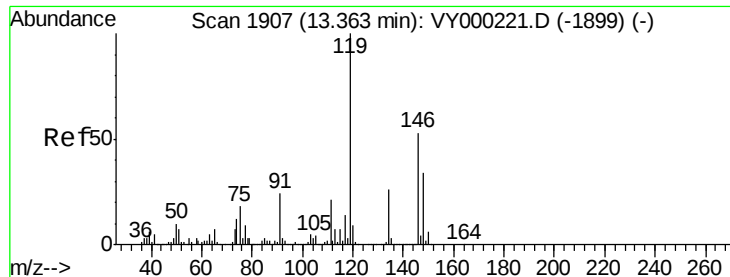
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

Time-->





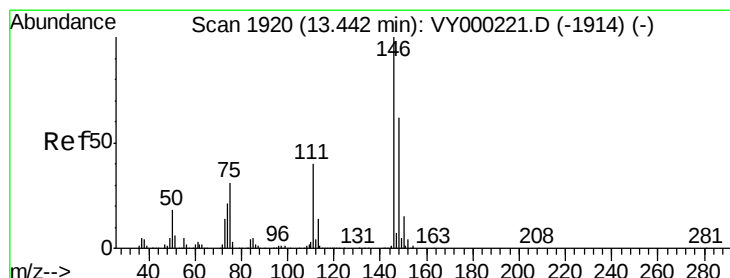
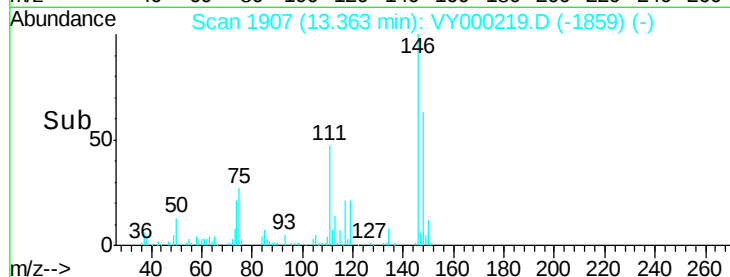
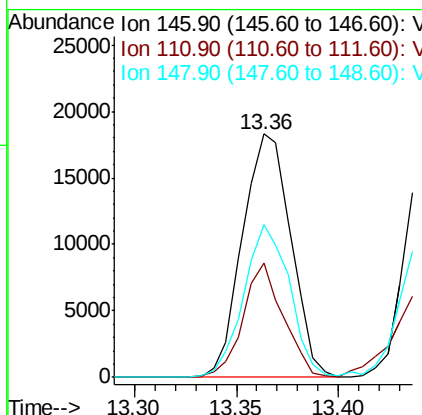
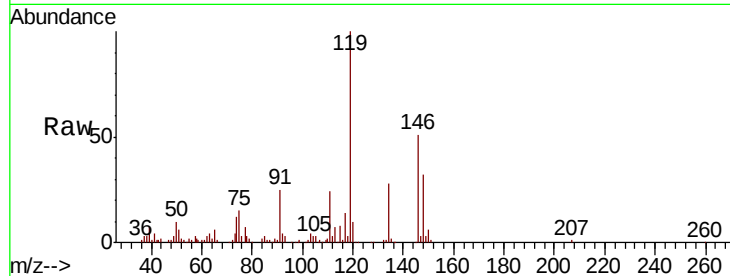
#87
 1,3-Dichlorobenzene
 Concen: 5.085 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.0	54.0
148	59.7	31.9	95.5

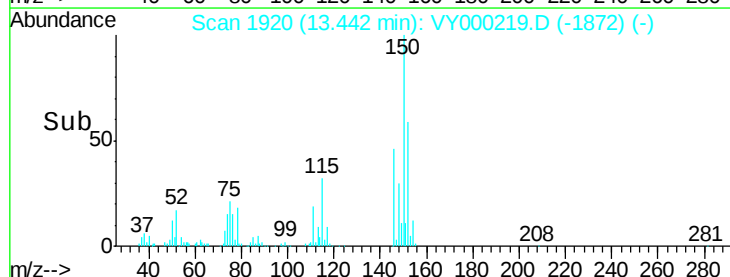
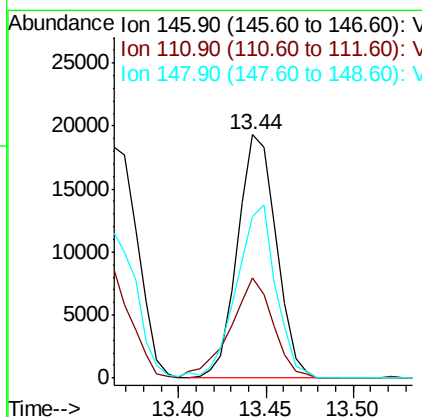
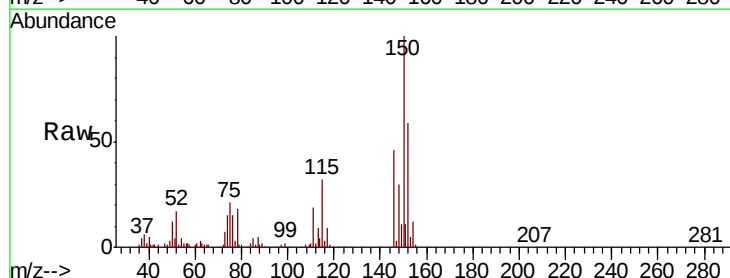
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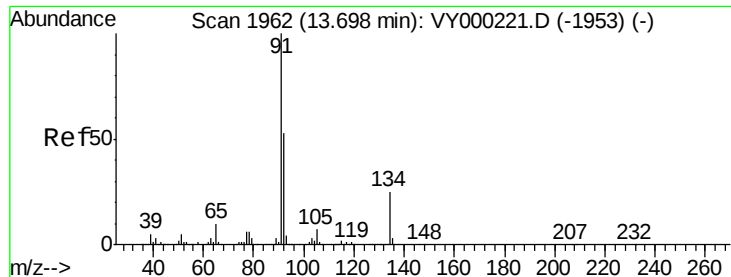
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#88
 1,4-Dichlorobenzene
 Concen: 4.976 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	18.1	54.1
148	72.2	31.9	95.7





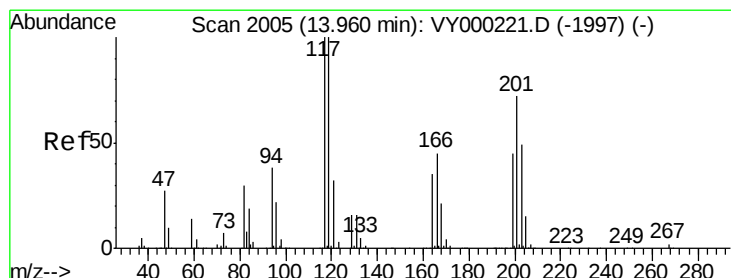
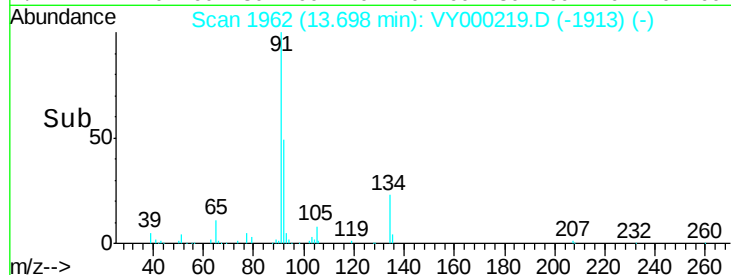
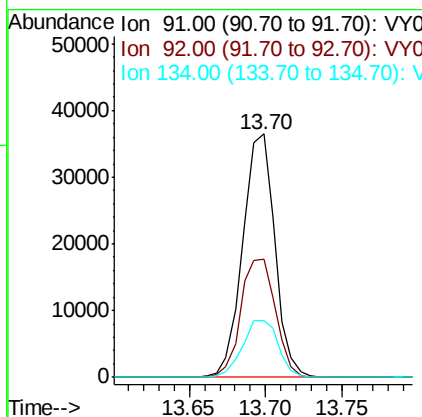
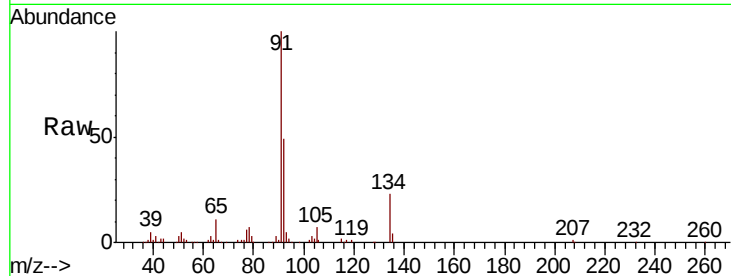
#89
n-Butylbenzene
Concen: 5.274 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	27.0	81.0
134	25.9	14.6	44.0

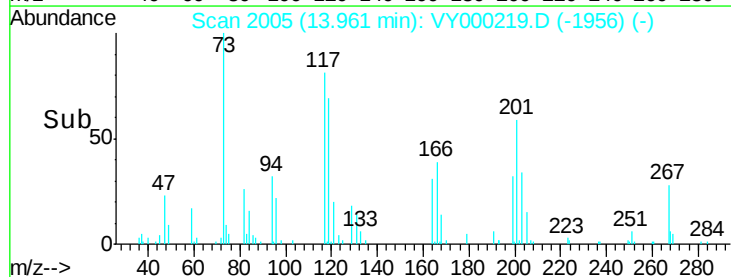
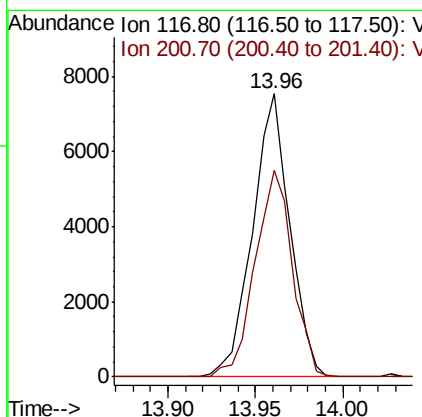
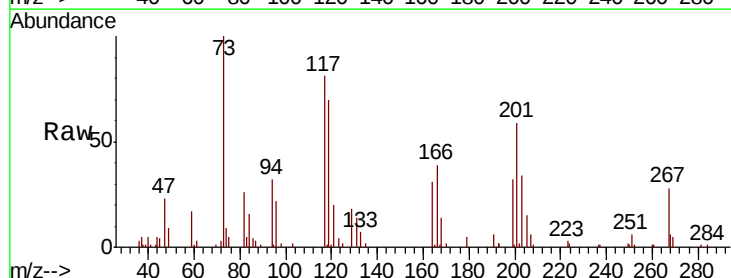
Manual Integrations
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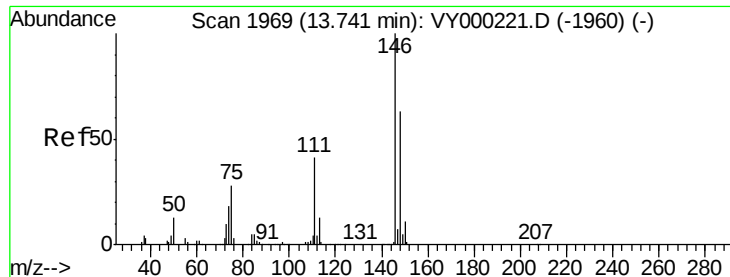
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#90
Hexachloroethane
Concen: 5.156 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.1	41.2	123.6





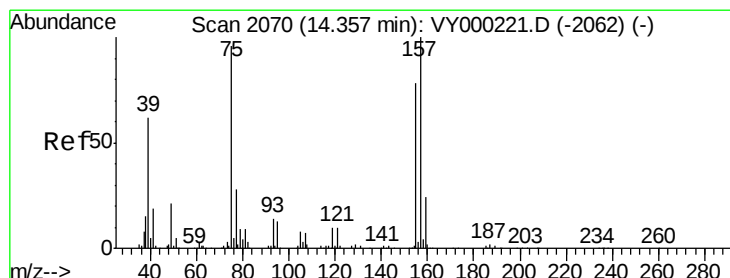
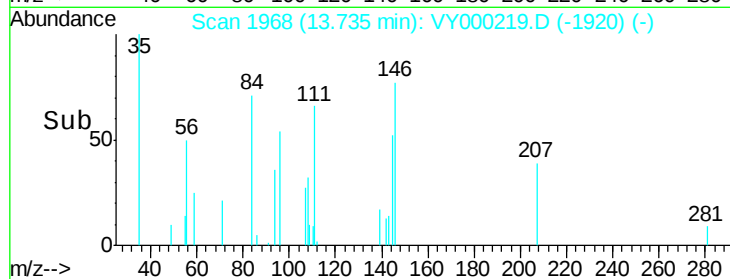
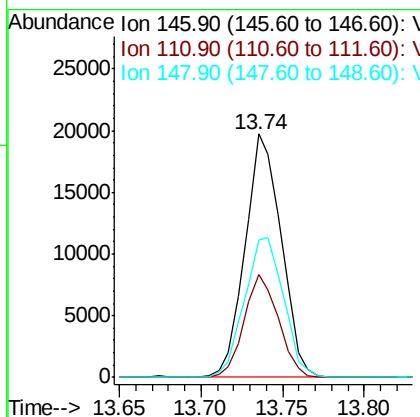
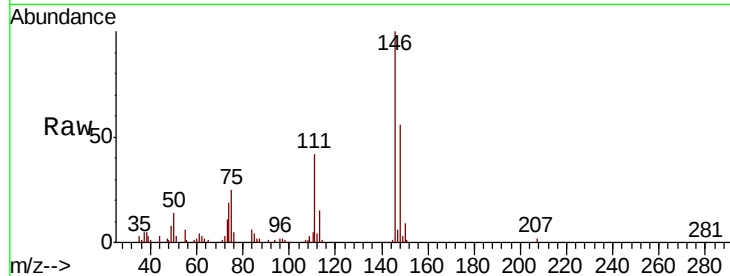
#91
 1,2-Dichlorobenzene
 Concen: 5.279 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.5	58.5
148	62.3	31.4	94.3

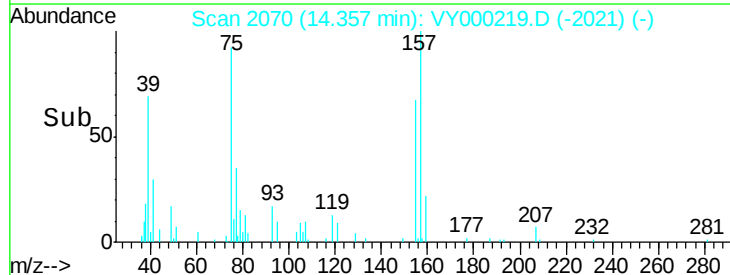
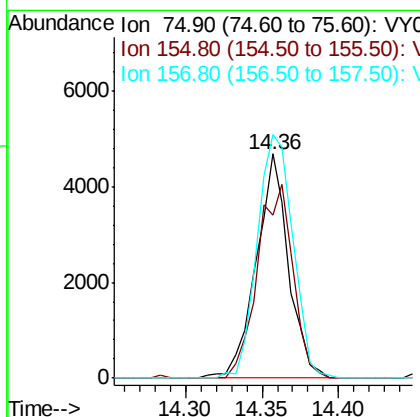
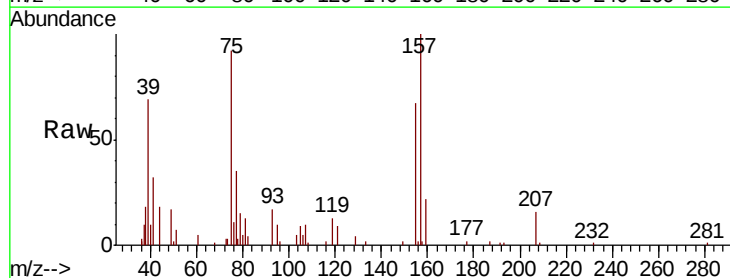
Manual Integrations
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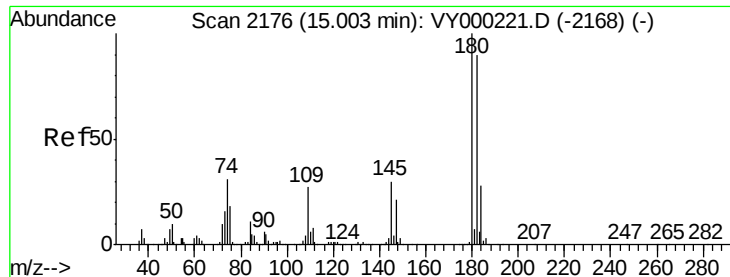
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.420 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	52.0	156.0
157	119.9	65.8	197.3





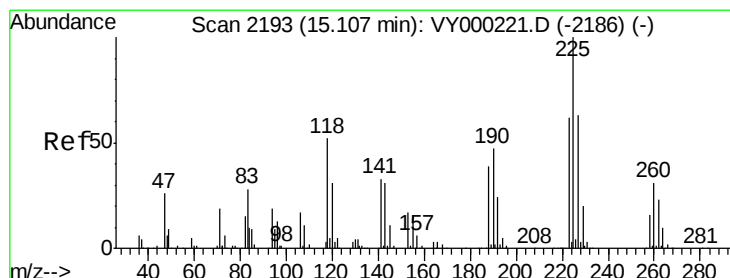
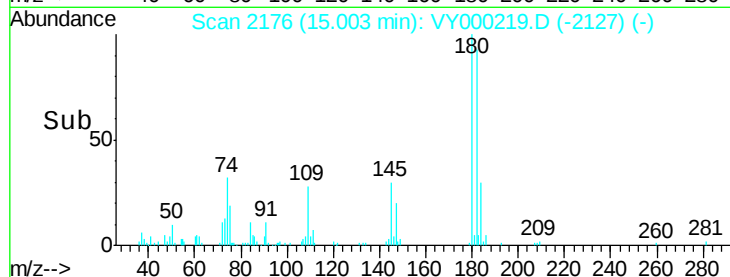
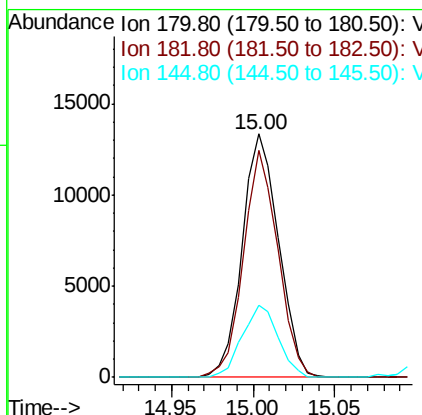
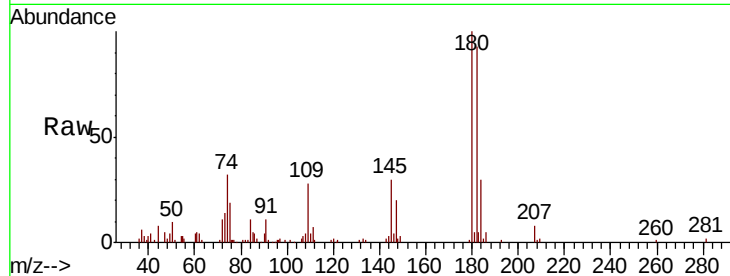
#93
 1,2,4-Trichlorobenzene
 Concen: 5.007 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.2	47.4	142.2
145	29.3	14.1	42.3

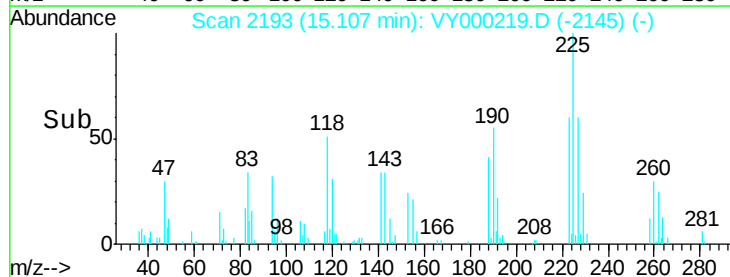
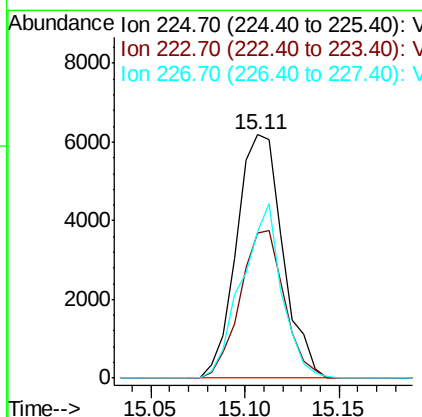
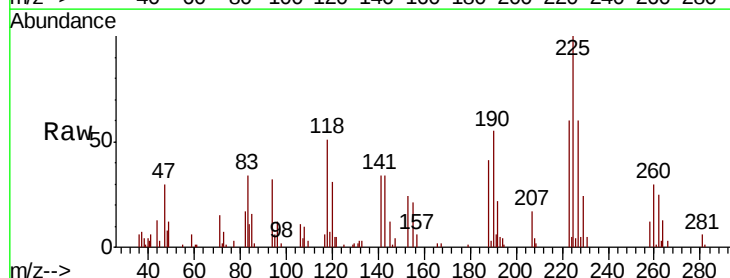
Manual Integrations
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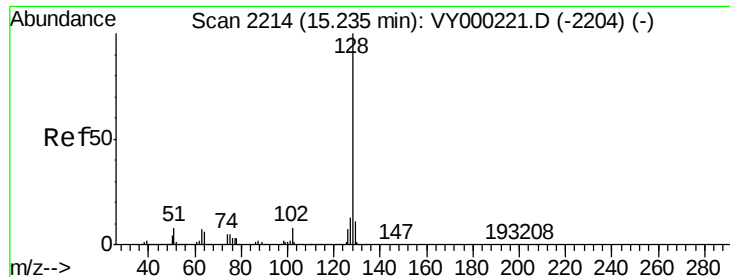
MMDadoda
 10/10/2019 12:52:18 AM



#94
 Hexachlorobutadiene
 Concen: 4.738 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000219.D
 Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	58.2	31.9	95.5
227	62.0	32.5	97.5





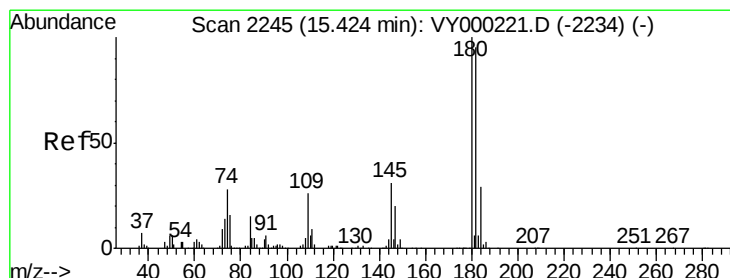
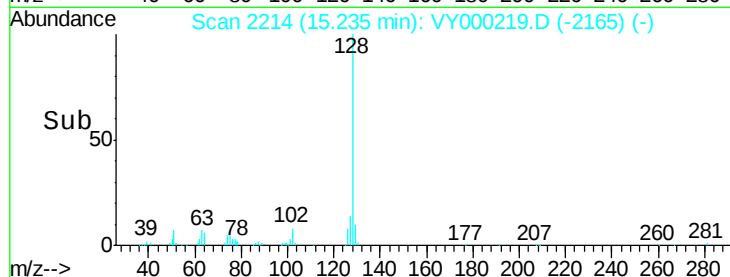
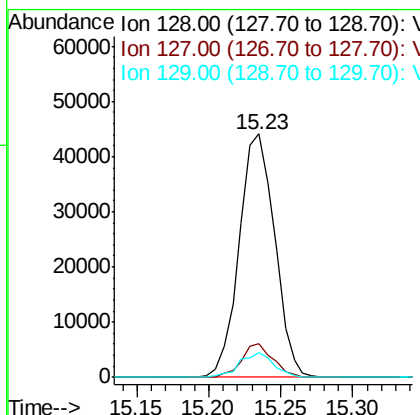
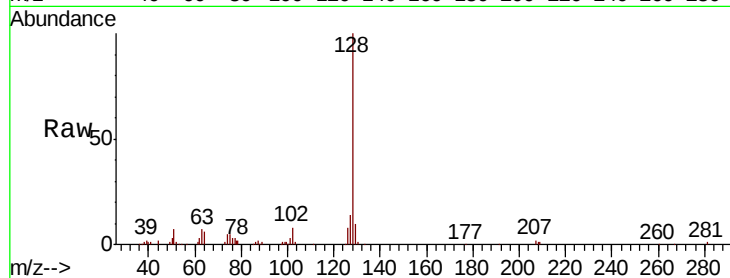
#95
Naphthalene
Concen: 5.383 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Instrument :
MSVOA_Y
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.0	15.0
129	9.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/10/2019 12:52:18 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.898 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000219.D
Acq: 08 Oct 2019 13:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.3	144.8
145	32.4	14.9	44.9

