

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
 Data File : VY000264.D
 Acq On : 11 Oct 2019 11:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 12:33:27 PM

Quant Time: Oct 14 07:41:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 14 07:29:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	654642	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	1007266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	901729	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	467230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	257187	37.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.48%	
35) Dibromofluoromethane	7.73	113	270230	44.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.96%	
50) Toluene-d8	10.19	98	1150113	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
62) 4-Bromofluorobenzene	12.49	95	401040	45.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	204510	38.553	ug/l	98
3) Chloromethane	2.12	50	300973	37.624	ug/l	99
4) Vinyl Chloride	2.26	62	332431	41.177	ug/l	100
5) Bromomethane	2.65	94	222050	42.814	ug/l	95
6) Chloroethane	2.80	64	216074	41.480	ug/l	100
7) Trichlorofluoromethane	3.13	101	422002	38.213	ug/l	97
8) Diethyl Ether	3.54	74	162099	41.550	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.91	101	274836	41.037	ug/l	94
10) Methyl Iodide	4.10	142	433578	45.559	ug/l	94
11) Tert butyl alcohol	4.97	59	133657	184.951	ug/l	99
12) 1,1-Dichloroethene	3.88	96	285420	43.169	ug/l	93
13) Acrolein	3.74	56	162323	191.589	ug/l	100
14) Allyl chloride	4.49	41	432364	39.461	ug/l	95
15) Acrylonitrile	5.18	53	443726	203.207	ug/l	100
16) Acetone	3.96	43	529635	236.838	ug/l	94
17) Carbon Disulfide	4.20	76	869841	41.785	ug/l	99
18) Methyl Acetate	4.49	43	201743	36.309	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	713696	38.776	ug/l	99
20) Methylene Chloride	4.72	84	321922	41.837	ug/l	92
21) trans-1,2-Dichloroethene	5.22	96	323719	42.675	ug/l	95
22) Diisopropyl ether	6.13	45	907264	39.150	ug/l	92
23) Vinyl Acetate	6.07	43	2972781	196.634	ug/l	96
24) 1,1-Dichloroethane	6.03	63	503754	39.825	ug/l	96
25) 2-Butanone	7.00	43	666127	211.455	ug/l	97
26) 2,2-Dichloropropane	6.99	77	448854	38.509	ug/l	96
27) cis-1,2-Dichloroethene	7.00	96	359344	43.778	ug/l	92
28) Bromochloromethane	7.35	49	220510	40.609	ug/l	86
29) Tetrahydrofuran	7.36	42	368591	193.066	ug/l	94
30) Chloroform	7.52	83	504643	39.615	ug/l	98
31) Cyclohexane	7.79	56	507402	38.406	ug/l	93
32) 1,1,1-Trichloroethane	7.71	97	450451	39.775	ug/l	98
36) 1,1-Dichloropropene	7.92	75	419365	42.524	ug/l	98
37) Ethyl Acetate	7.09	43	237066	40.598	ug/l	98
38) Carbon Tetrachloride	7.91	117	404825	42.397	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	576230	44.644	ug/l	94
40) Benzene	8.17	78	1286766	45.151	ug/l	98
41) Methacrylonitrile	7.33	41	121587m	43.744	ug/l	
42) 1,2-Dichloroethane	8.25	62	310267	38.112	ug/l	95
43) Isopropyl Acetate	8.28	43	443062	39.905	ug/l	96
44) Trichloroethene	8.95	130	373199	46.670	ug/l	96
45) 1,2-Dichloropropane	9.22	63	304225	43.499	ug/l	98
46) Dibromomethane	9.31	93	171100	43.763	ug/l	93
47) Bromodichloromethane	9.50	83	391459	42.485	ug/l	98
48) Methyl methacrylate	9.30	41	197304	40.548	ug/l	91
49) 1,4-Dioxane	9.31	88	51624	880.640	ug/l #	95
51) 4-Methyl-2-Pentanone	10.08	43	1161088	202.751	ug/l	95
52) Toluene	10.25	92	843144	46.598	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	429921	43.538	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	496259	44.253	ug/l	92
55) 1,1,2-Trichloroethane	10.65	97	259661	45.678	ug/l	97
56) Ethyl methacrylate	10.52	69	358936	44.299	ug/l	92
57) 1,3-Dichloropropane	10.80	76	436256	44.687	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	809477	250.469	ug/l	96
59) 2-Hexanone	10.84	43	859281	213.772	ug/l	94
60) Dibromochloromethane	10.99	129	300859	47.750	ug/l	98
61) 1,2-Dibromoethane	11.10	107	256898	47.067	ug/l	99
64) Tetrachloroethene	10.72	164	419488	48.865	ug/l	98
65) Chlorobenzene	11.52	112	905661	47.590	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.60	131	313547	46.903	ug/l	98
67) Ethyl Benzene	11.60	91	1604014	45.468	ug/l	97
68) m/p-Xylenes	11.70	106	1271383	94.272	ug/l	95
69) o-Xylene	12.03	106	601243	46.733	ug/l	93
70) Styrene	12.05	104	1032239	47.574	ug/l	96
71) Bromoform	12.21	173	201027	52.310	ug/l #	99
73) Isopropylbenzene	12.33	105	1622484	44.535	ug/l	97
74) N-amyl acetate	12.14	43	323195	36.136	ug/l	91
75) 1,1,2,2-Tetrachloroethane	12.58	83	302287	44.192	ug/l	97
76) 1,2,3-Trichloropropane	12.64	75	209025m	36.382	ug/l	
77) Bromobenzene	12.61	156	386529	47.679	ug/l	87
78) n-propylbenzene	12.67	91	1906564	43.587	ug/l	97
79) 2-Chlorotoluene	12.76	91	1047713	43.371	ug/l	95
80) 1,3,5-Trimethylbenzene	12.81	105	1330337	43.548	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	119591	45.543	ug/l	89
82) 4-Chlorotoluene	12.86	91	1109927	43.467	ug/l	95
83) tert-Butylbenzene	13.08	119	1153969	44.607	ug/l	96
84) 1,2,4-Trimethylbenzene	13.13	105	1328679	44.068	ug/l	96
85) sec-Butylbenzene	13.25	105	1675866	44.780	ug/l	97
86) p-Isopropyltoluene	13.37	119	1502983	46.066	ug/l	97
87) 1,3-Dichlorobenzene	13.37	146	757365	47.416	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	757969	47.477	ug/l	97
89) n-Butylbenzene	13.70	91	1405934	43.605	ug/l	97
90) Hexachloroethane	13.96	117	277933	46.003	ug/l	88
91) 1,2-Dichlorobenzene	13.74	146	691302	47.824	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	52923	40.795	ug/l	86

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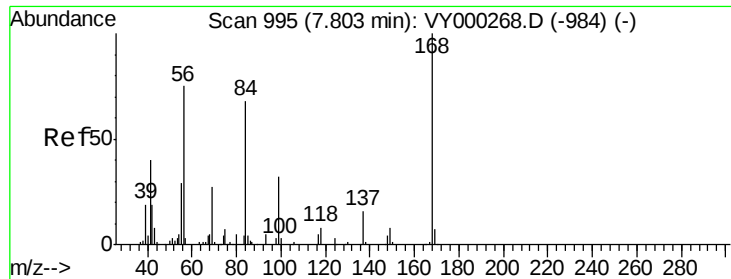
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	495119	49.196	ug/l	97
94) Hexachlorobutadiene	15.11	225	271095	49.775	ug/l	98
95) Naphthalene	15.23	128	1007021	44.838	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	436681	48.144	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 654642

Ion Ratio Lower Upper

168 100

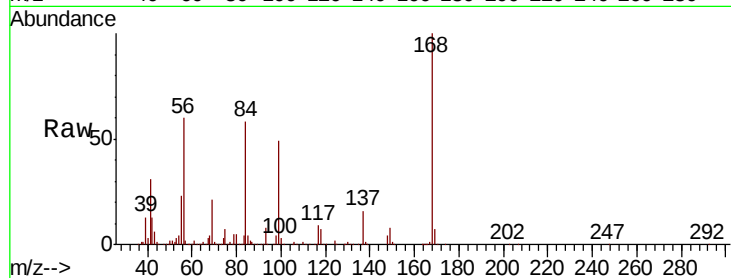
99 48.5 46.6 69.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VY000268.D (-984) (-)

Ion 98.90 (98.60 to 99.60): VY000268.D (-984) (-)

7.80

300000

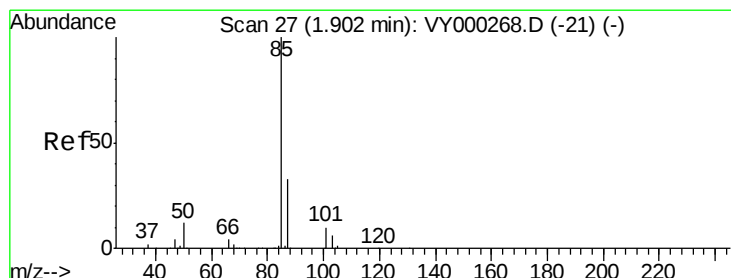
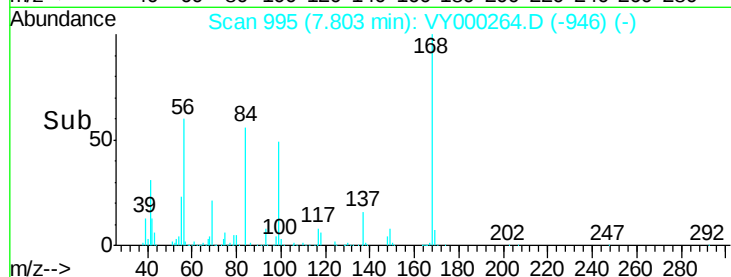
200000

100000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 38.553 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY000264.D

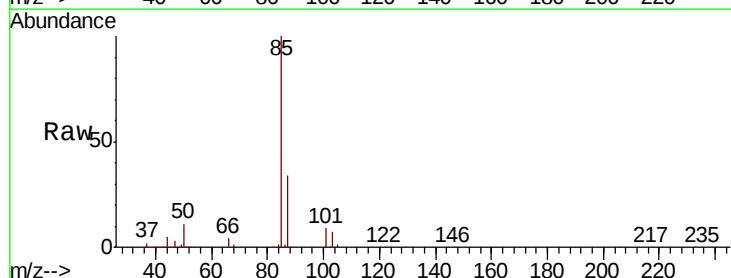
Acq: 11 Oct 2019 11:50

Tgt Ion: 85 Resp: 204510

Ion Ratio Lower Upper

85 100

87 34.5 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY000268.D (-21) (-)

Ion 86.90 (86.60 to 87.60): VY000268.D (-21) (-)

1.91

150000

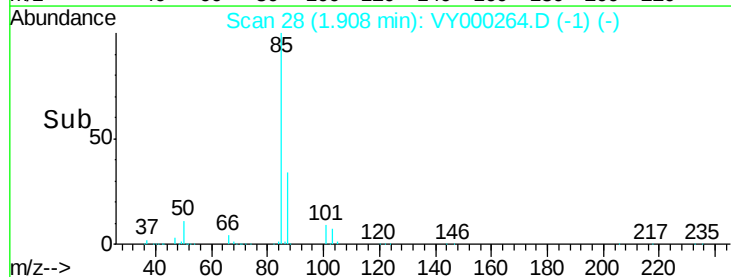
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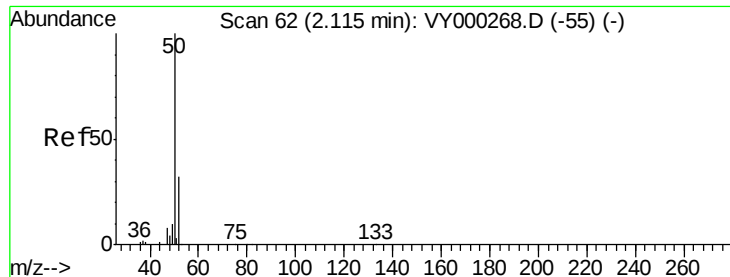
50000

0

1.80 1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 37.624 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 300973

Ion Ratio Lower Upper

50 100

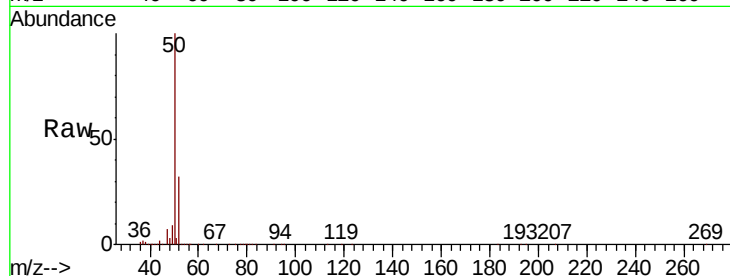
52 32.2 25.3 37.9

Manual Integrations

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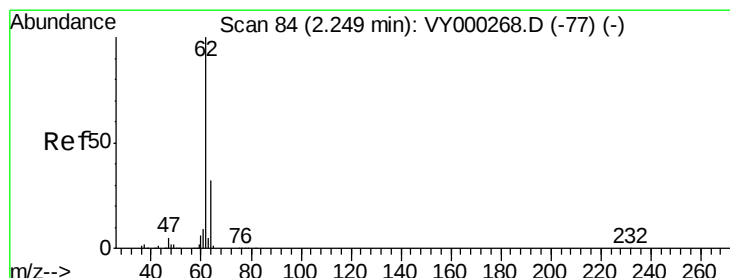
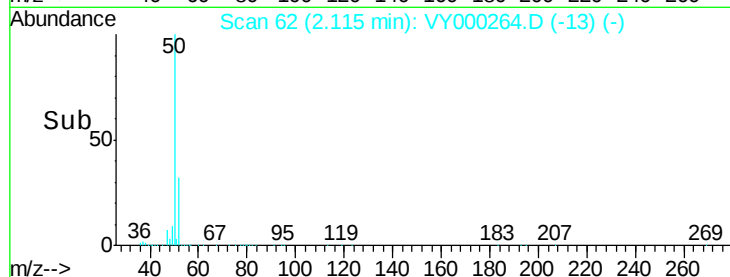
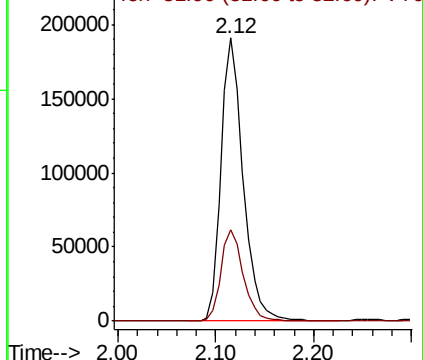
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Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 41.177 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000264.D

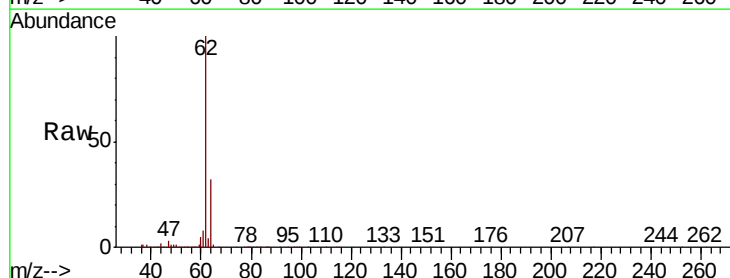
Acq: 11 Oct 2019 11:50

Tgt Ion: 62 Resp: 332431

Ion Ratio Lower Upper

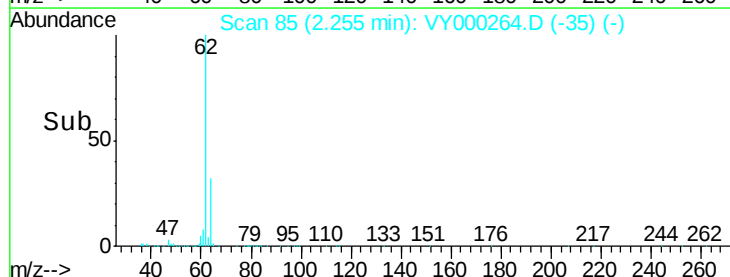
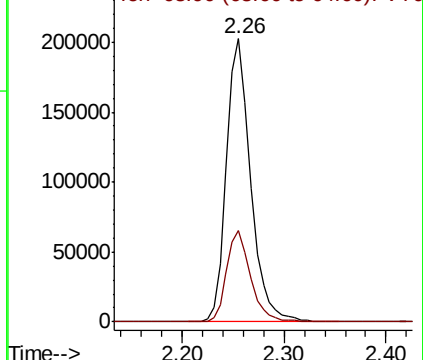
62 100

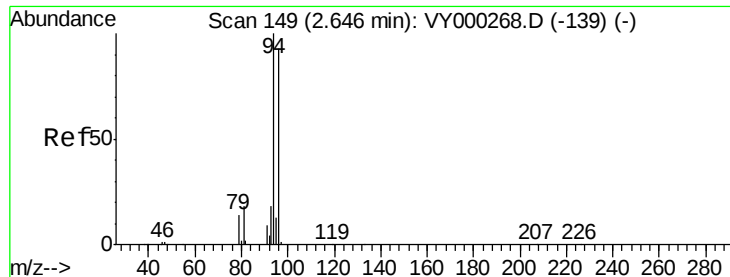
64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 42.814 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 222050

Ion Ratio Lower Upper

94 100

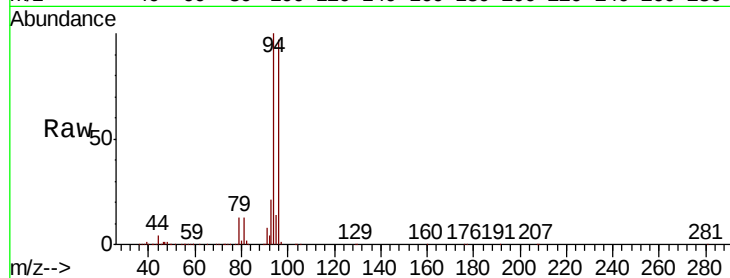
96 97.3 74.2 111.2

Manual Integrations

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10/15/2019 12:33:27 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0

2.65

120000

100000

80000

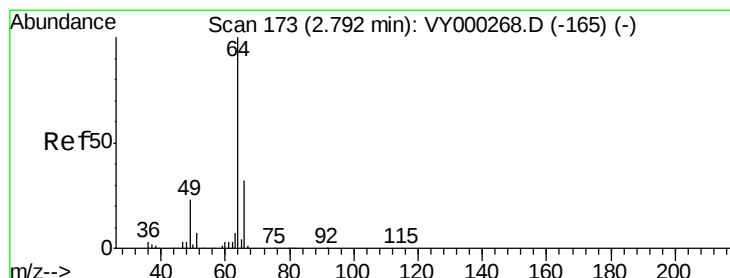
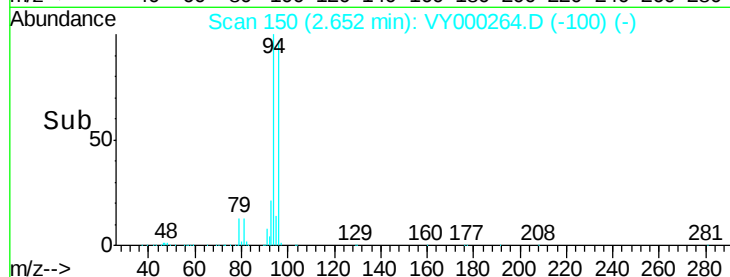
60000

40000

20000

0

Time--> 2.50 2.60 2.70 2.80



#6

Chloroethane

Concen: 41.480 ug/l

RT: 2.80 min Scan# 174

Delta R.T. 0.01 min

Lab File: VY000264.D

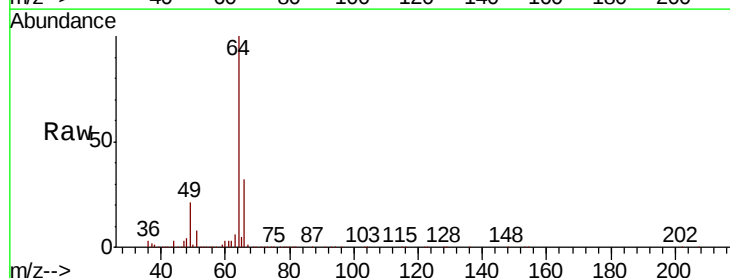
Acq: 11 Oct 2019 11:50

Tgt Ion: 64 Resp: 216074

Ion Ratio Lower Upper

64 100

66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0

2.80

120000

100000

80000

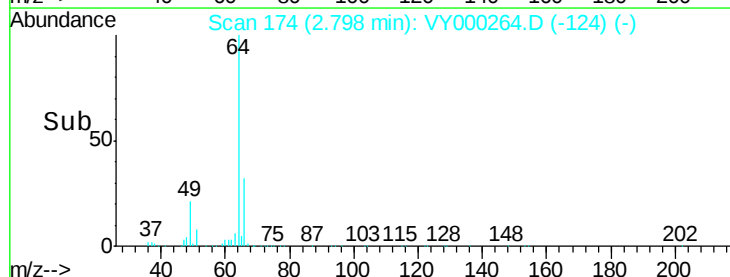
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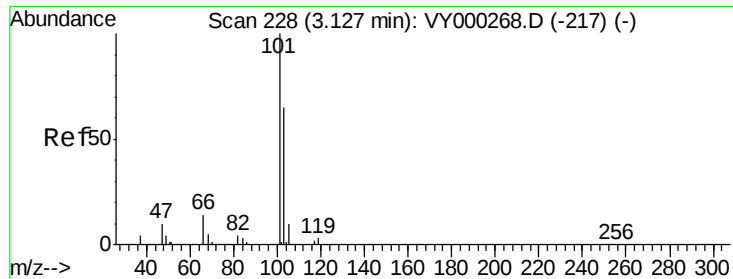
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20000

0

Time--> 2.70 2.80 2.90





#7

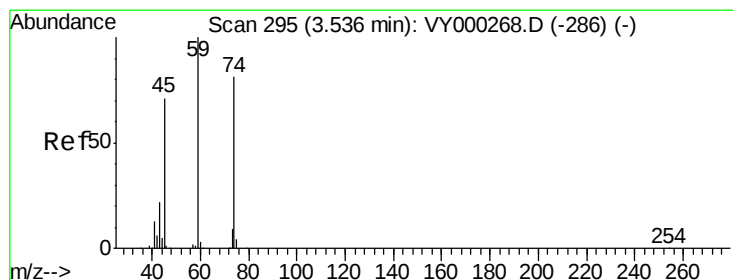
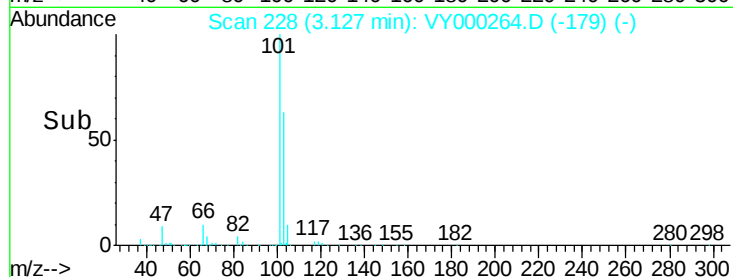
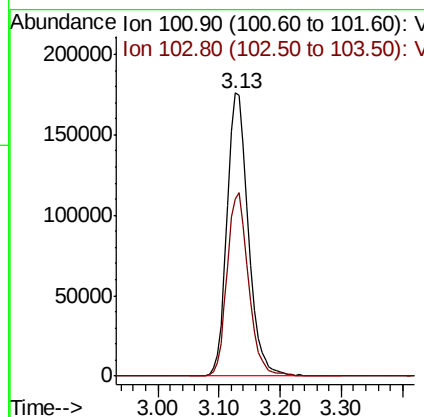
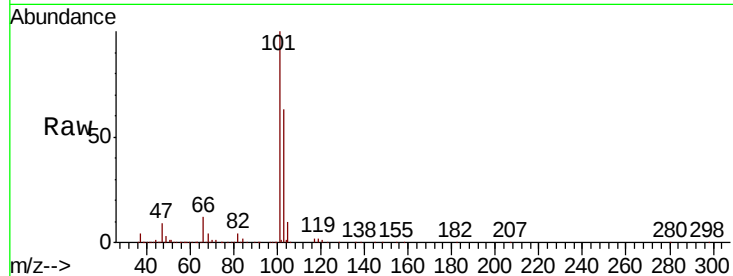
Trichlorofluoromethane
 Concen: 38.213 ug/l
 RT: 3.13 min Scan# 228
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.6	52.2	78.4

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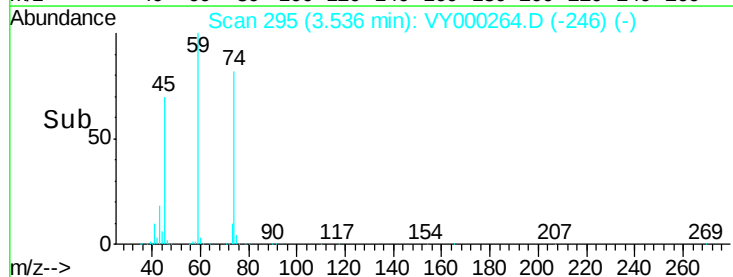
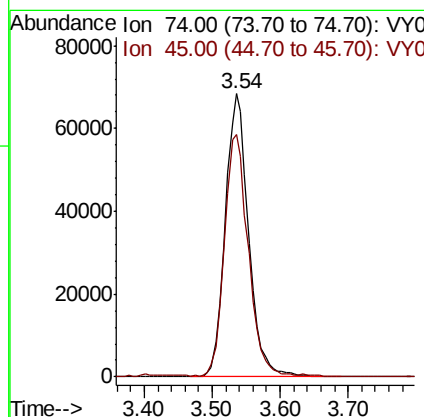
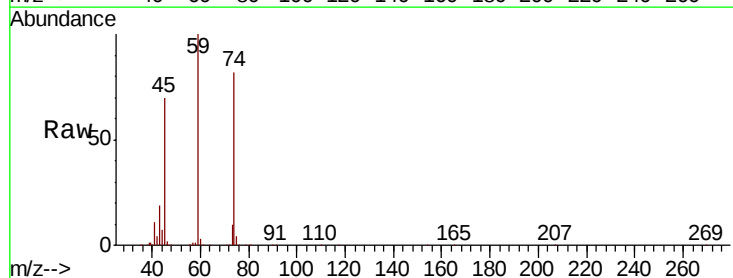
MMDadoda
 10/15/2019 12:33:27 PM

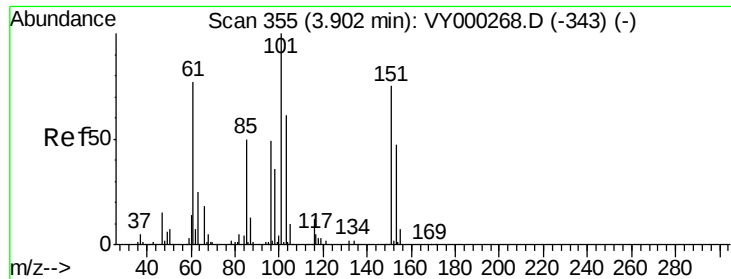


#8

Diethyl Ether
 Concen: 41.550 ug/l
 RT: 3.54 min Scan# 295
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.8	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.037 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

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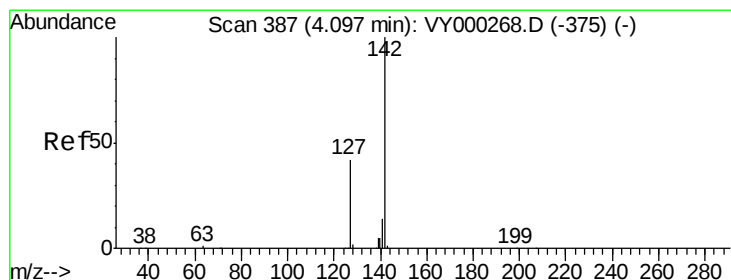
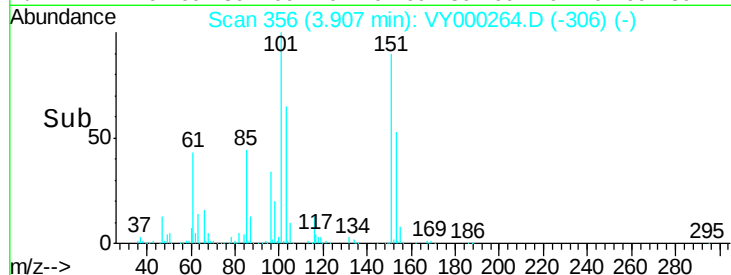
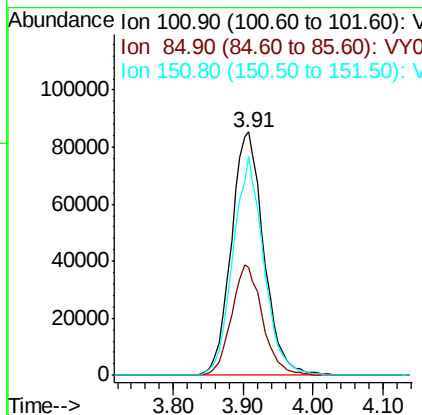
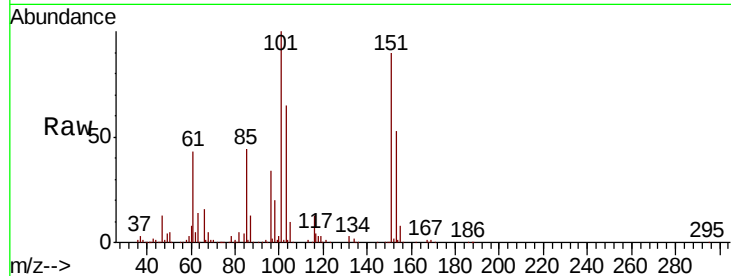
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	274836
Ion Ratio	Lower	Upper	
101	100		
85	43.3	36.6	55.0
151	85.3	63.1	94.7

Manual Integrations
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#10

Methyl Iodide

Concen: 45.559 ug/l

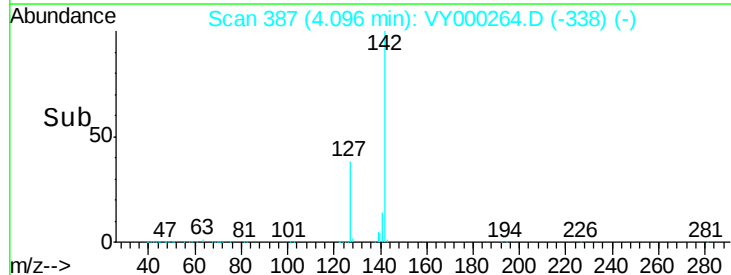
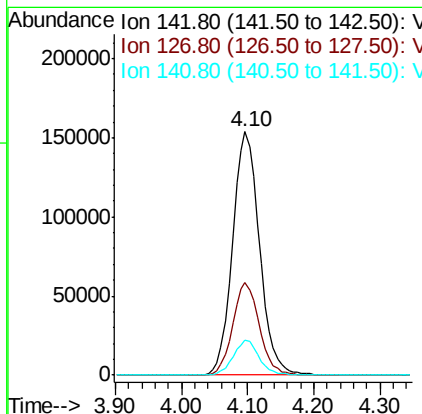
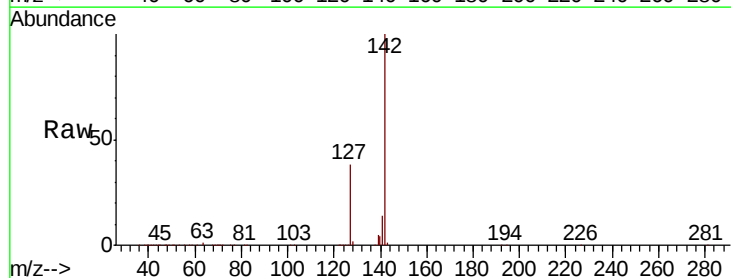
RT: 4.10 min Scan# 387

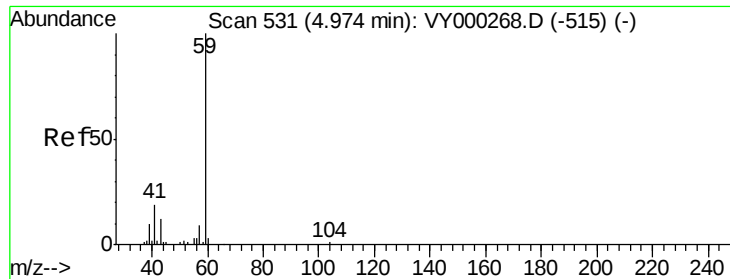
Delta R.T. 0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tgt Ion:	142	Resp:	433578
Ion Ratio	Lower	Upper	
142	100		
127	37.7	33.9	50.9
141	13.9	11.2	16.8





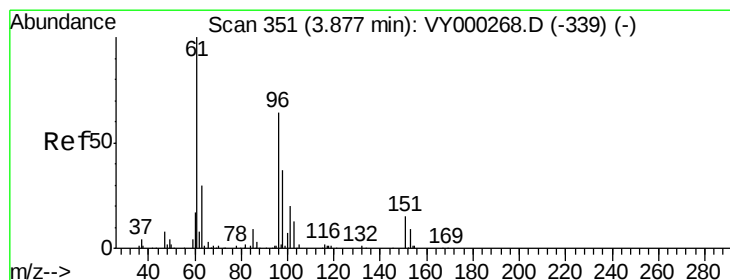
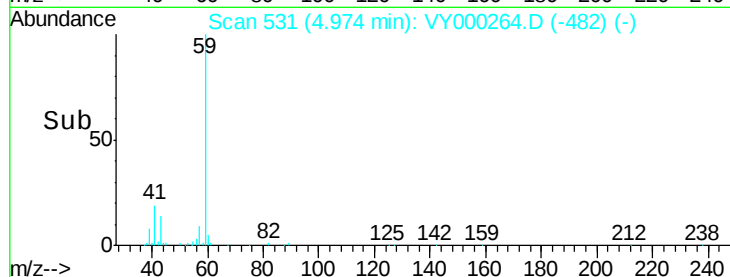
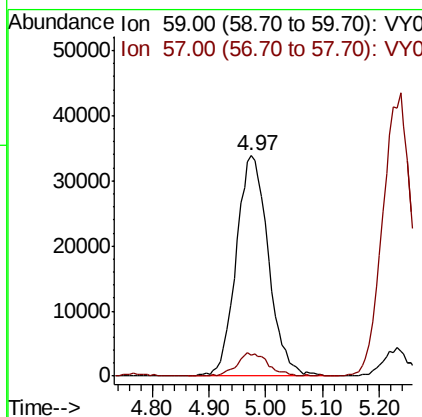
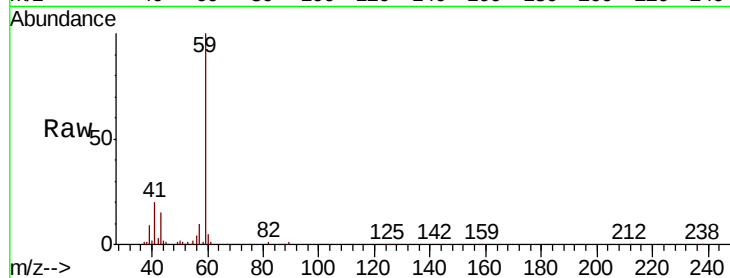
#11
Tert butyl alcohol
Concen: 184.951 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.2

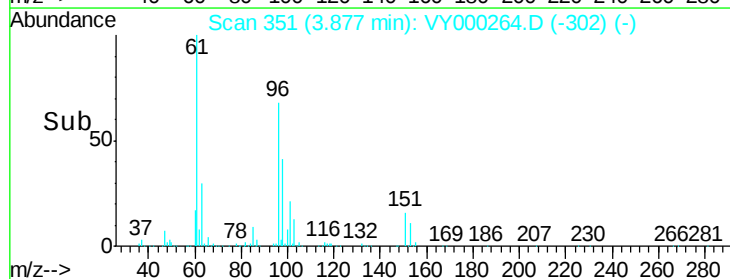
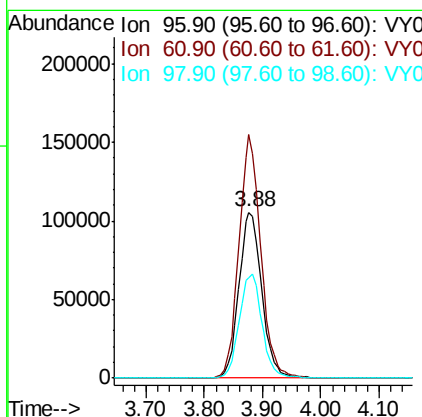
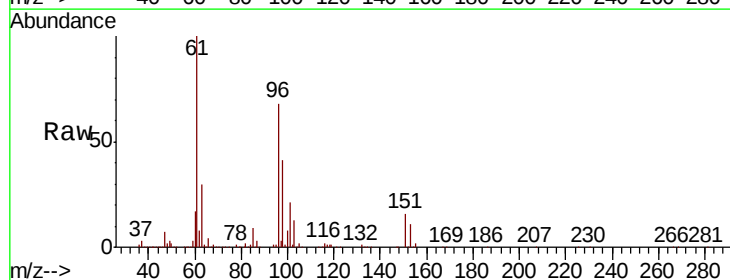
Manual Integrations
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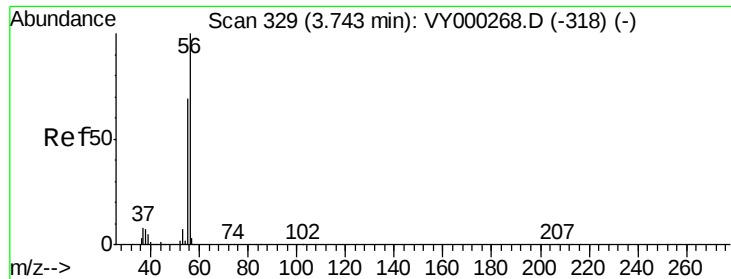
MMDadoda
10/15/2019 12:33:27 PM



#12
1,1-Dichloroethene
Concen: 43.169 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.0	125.8	188.6
98	60.6	46.2	69.2





#13

Acrolein

Concen: 191.589 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 162323

Ion Ratio Lower Upper

56 100

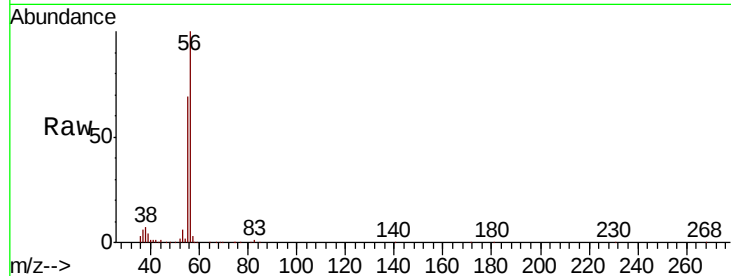
55 69.4 55.7 83.5

Manual Integrations

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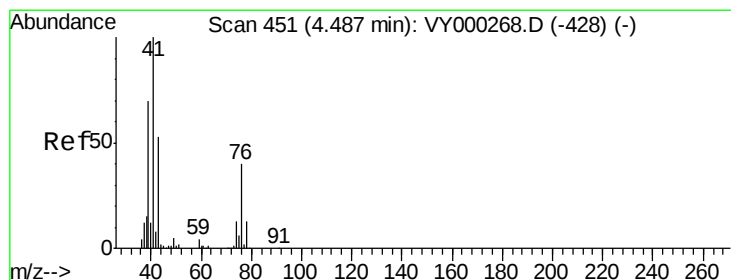
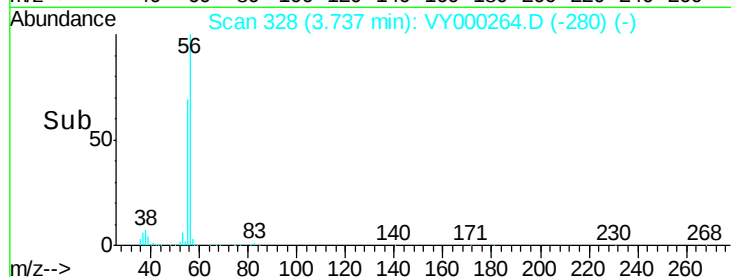
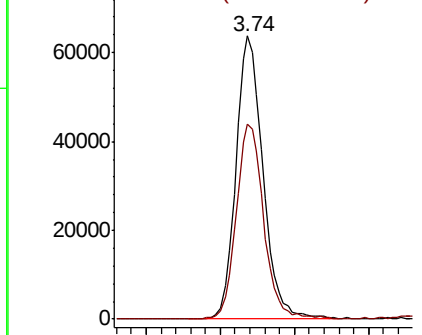
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Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 55.00 (54.70 to 55.70): VY0



#14

Allyl chloride

Concen: 39.461 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

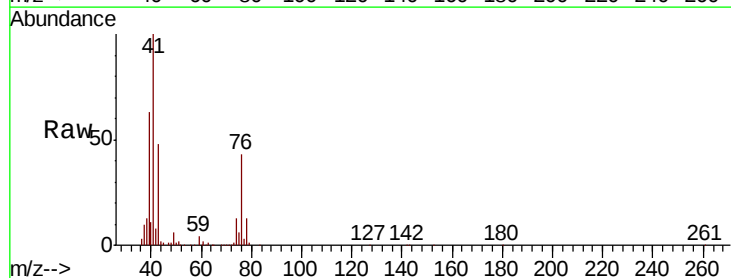
Tgt Ion: 41 Resp: 432364

Ion Ratio Lower Upper

41 100

39 62.1 54.0 81.0

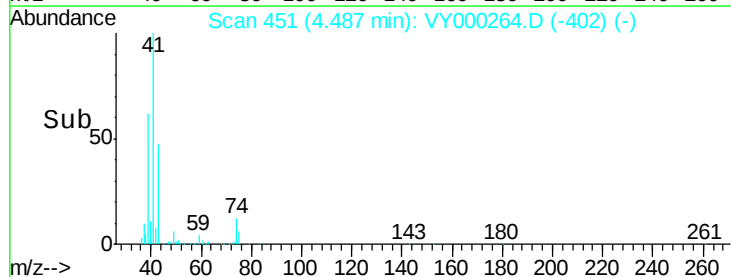
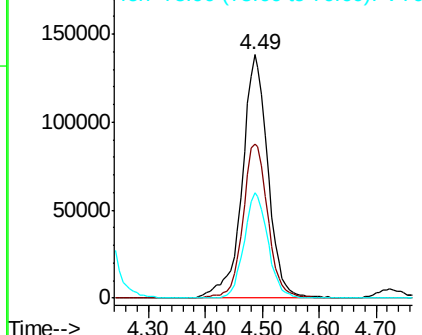
76 40.2 30.7 46.1

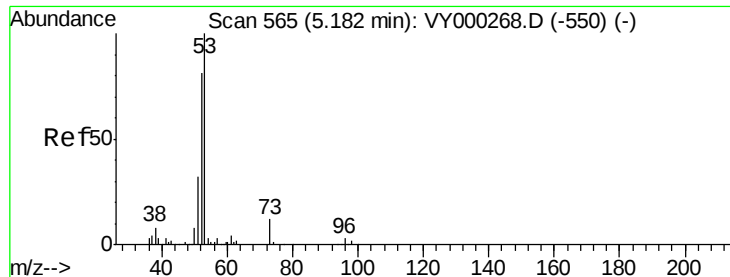


Abundance Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

Ion 75.90 (75.60 to 76.60): VY0





#15

Acrylonitrile

Concen: 203.207 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

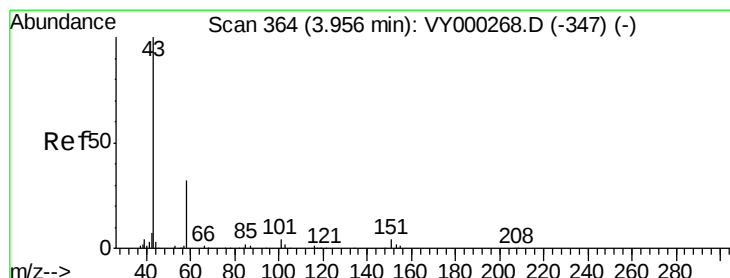
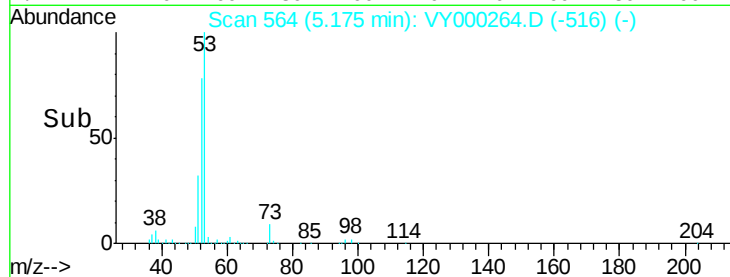
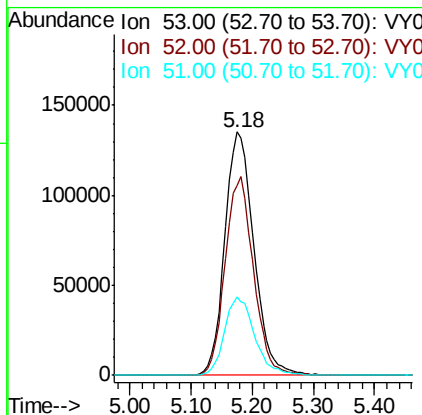
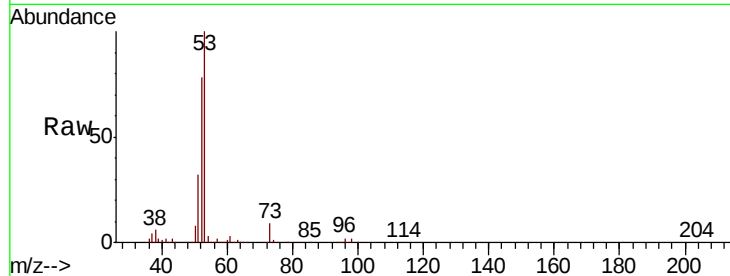
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	443726
Ion Ratio		Lower	Upper
53	100		
52	79.0	62.9	94.3
51	33.3	26.9	40.3

Manual Integrations
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#16

Acetone

Concen: 236.838 ug/l

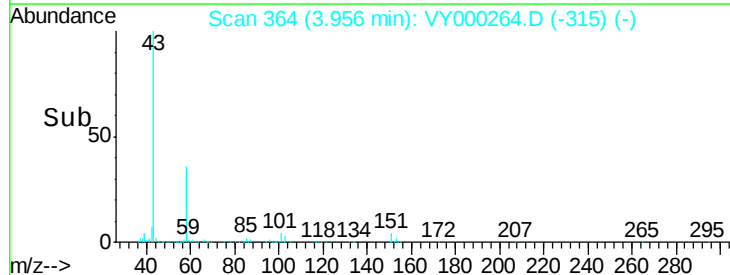
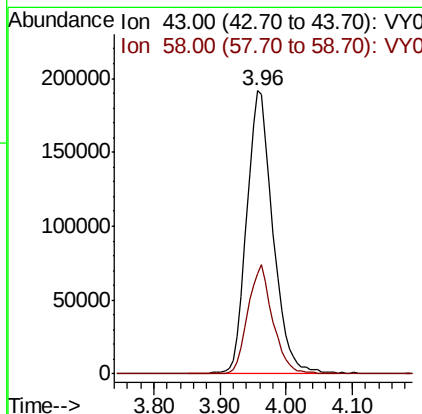
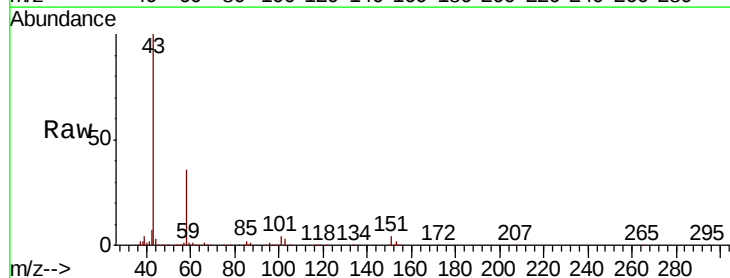
RT: 3.96 min Scan# 364

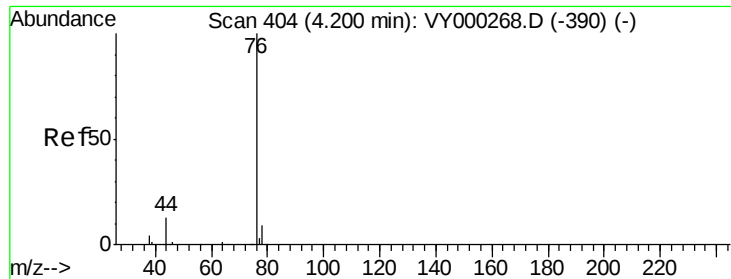
Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tgt Ion:	43	Resp:	529635
Ion Ratio		Lower	Upper
43	100		
58	35.6	25.8	38.6





#17

Carbon Disulfide

Concen: 41.785 ug/l

RT: 4.20 min Scan# 404

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 869841

Ion Ratio Lower Upper

76 100

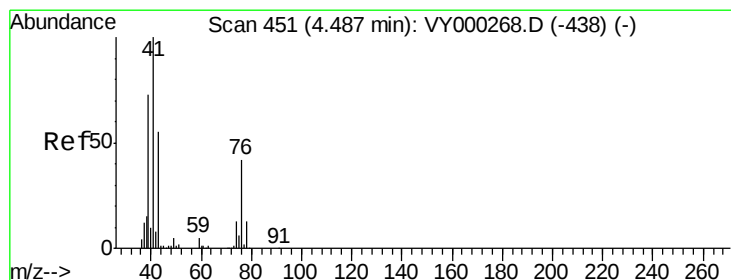
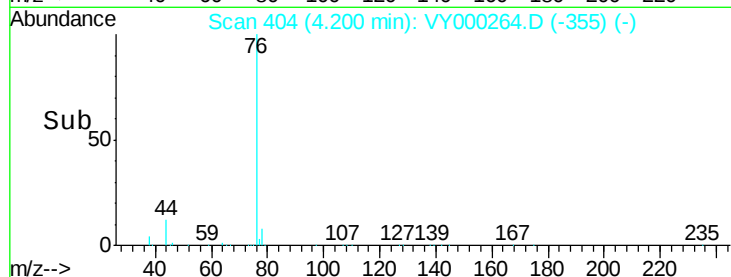
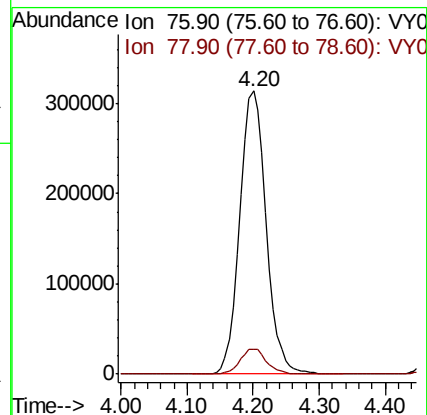
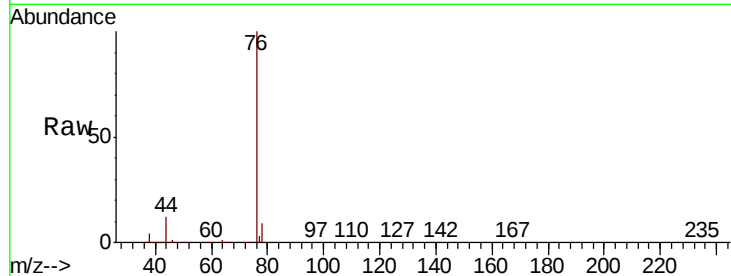
78 8.9 7.0 10.4

Manual Integrations

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MMDadoda

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#18

Methyl Acetate

Concen: 36.309 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY000264.D

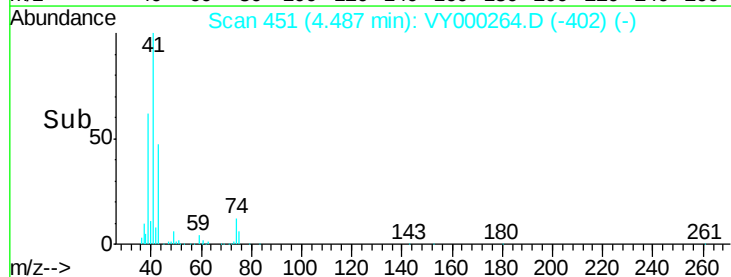
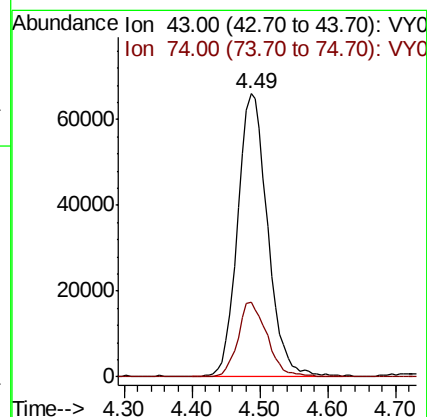
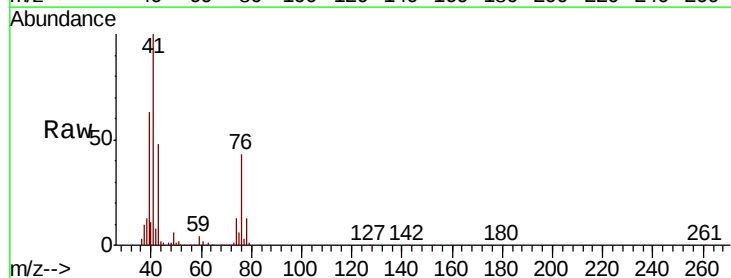
Acq: 11 Oct 2019 11:50

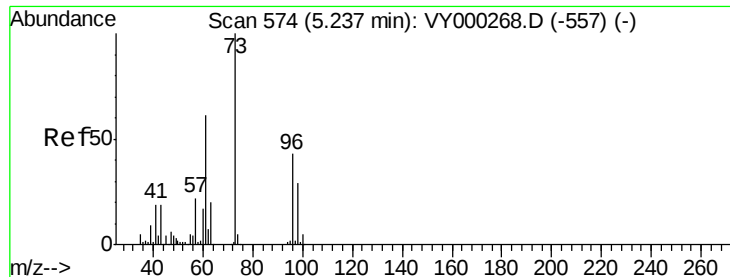
Tgt Ion: 43 Resp: 201743

Ion Ratio Lower Upper

43 100

74 25.8 20.4 30.6





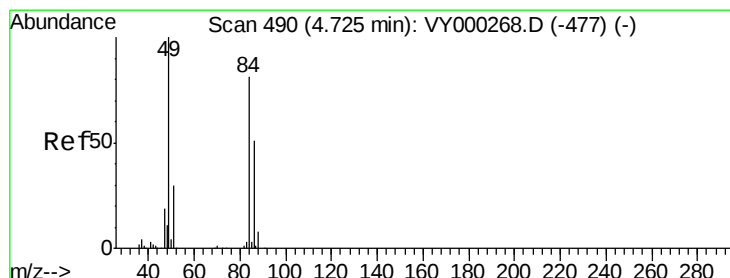
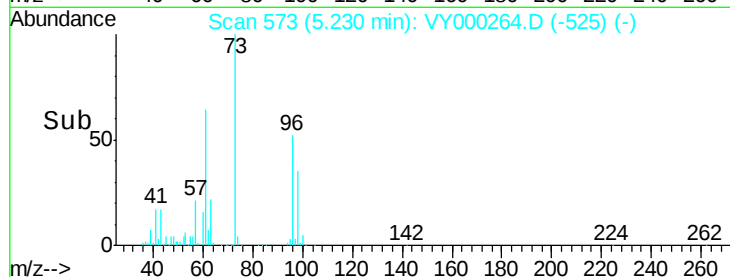
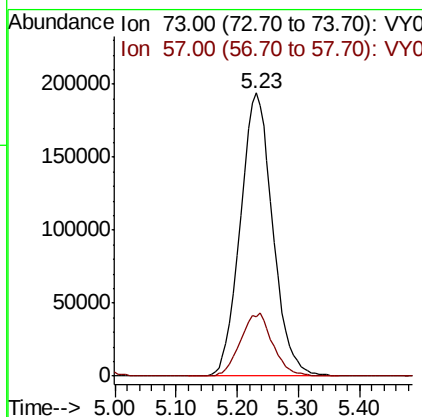
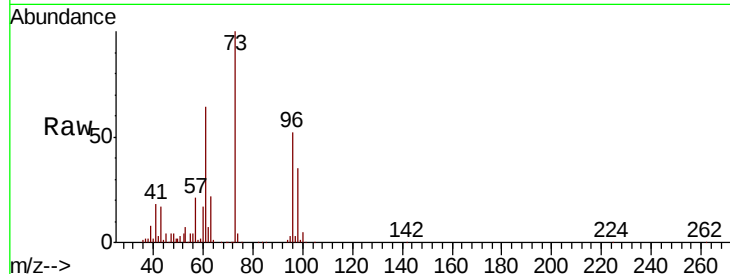
#19
Methvl tert-butvl Ether
Concen: 38.776 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.4	26.0

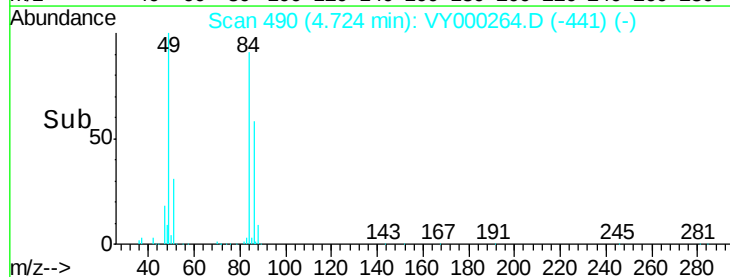
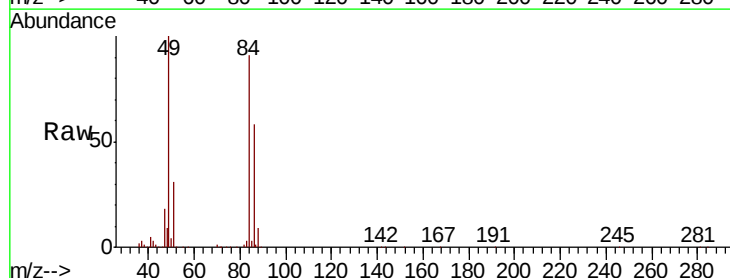
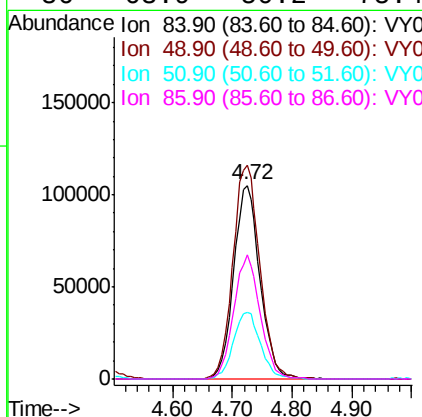
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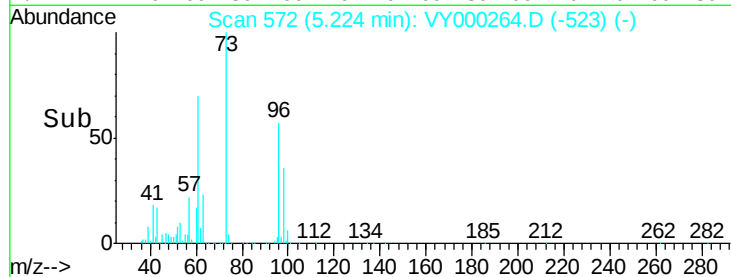
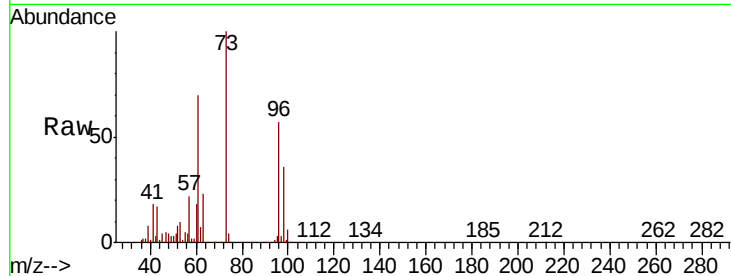
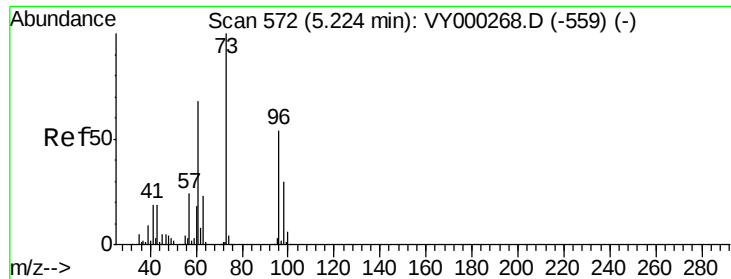
MMDadoda
10/15/2019 12:33:27 PM



#20
Methylene Chloride
Concen: 41.837 ug/l
RT: 4.72 min Scan# 490
Delta R.T. 0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.2	99.0	148.4
51	34.1	29.3	43.9
86	63.9	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 42.675 ug/l

RT: 5.22 min Scan# 572

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tot Ion:	96	Resp:	323719
Ion	Ratio	Lower	Upper
96	100		
61	122.4	100.4	150.6
98	62.8	44.6	66.8

Instrument :

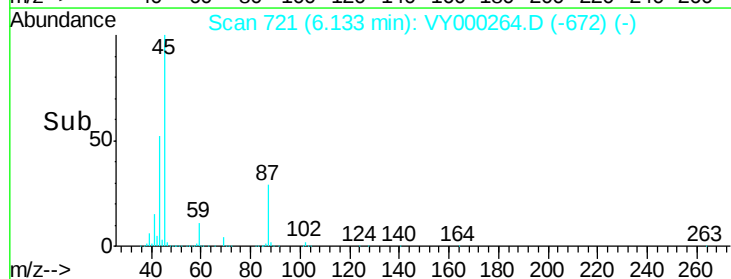
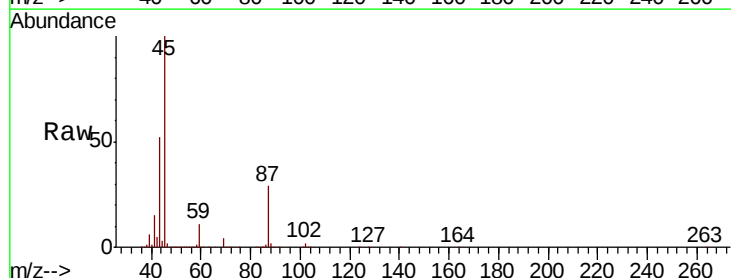
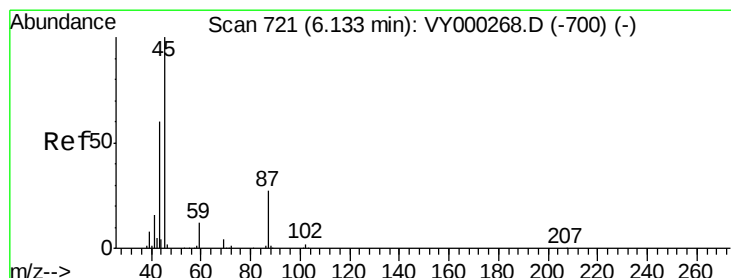
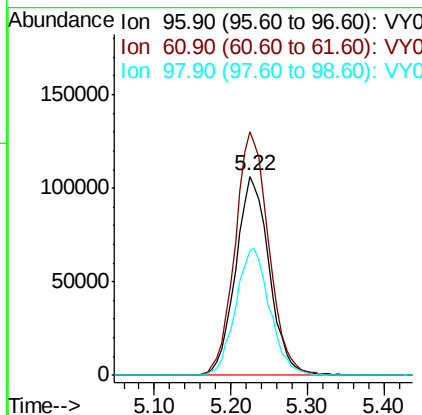
MSVOA_Y

ClientSampleId :

VSTDCCC050

Manual Integrations
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MMDadoda
10/15/2019 12:33:27 PM



#22

Diisopropyl ether

Concen: 39.150 ug/l

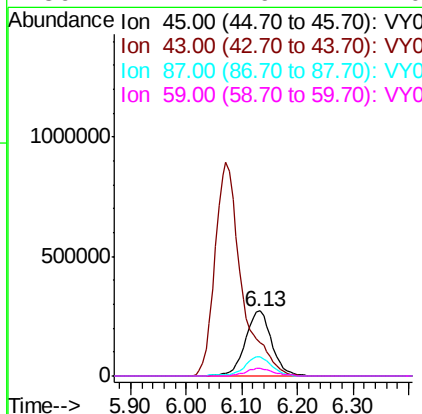
RT: 6.13 min Scan# 721

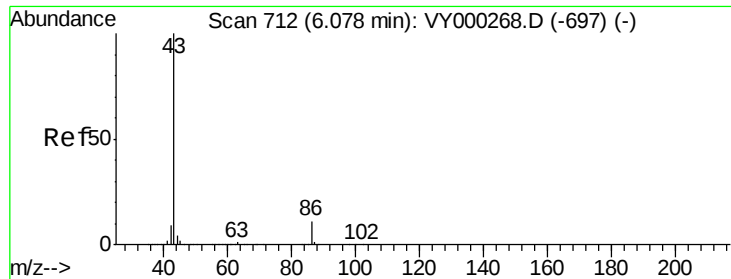
Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tgt Ion:	45	Resp:	907264
Ion	Ratio	Lower	Upper
45	100		
43	51.8	48.5	72.7
87	28.7	21.5	32.3
59	11.2	9.4	14.0





#23

Vinyl Acetate

Concen: 196.634 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tot Ion: 43 Resp: 2972781

Ion Ratio Lower Upper

43 100

86 12.4 8.6 13.0

Instrument :

MSVOA_Y

ClientSampleId :

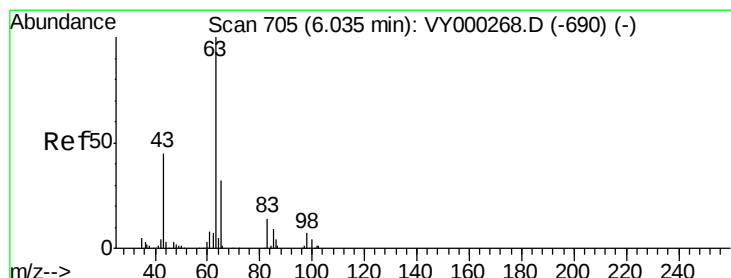
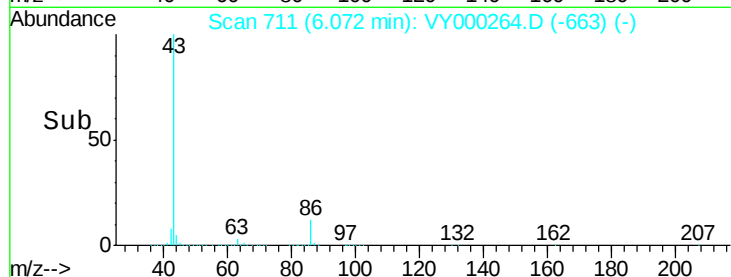
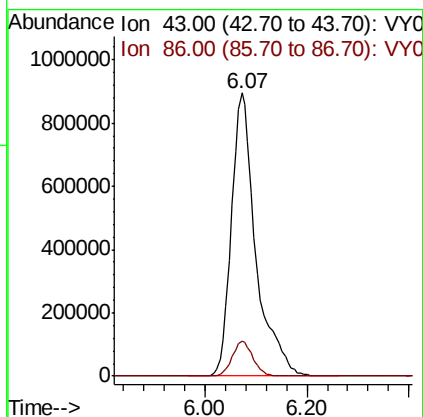
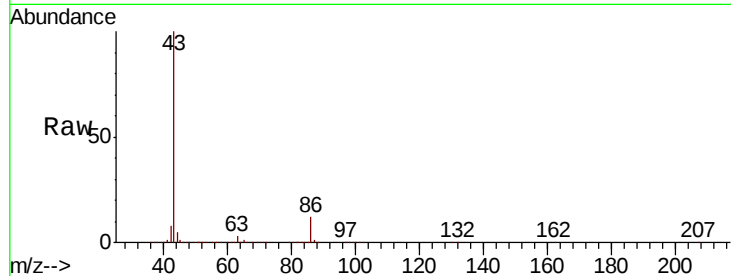
VSTDCCC050

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 39.825 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

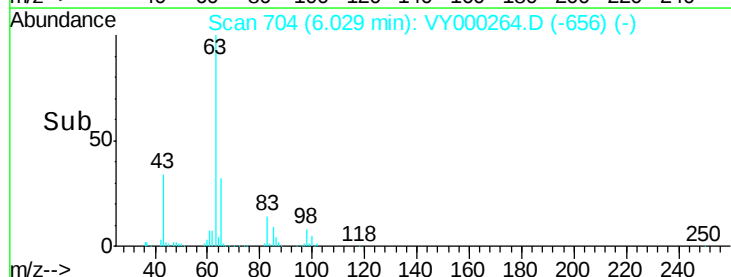
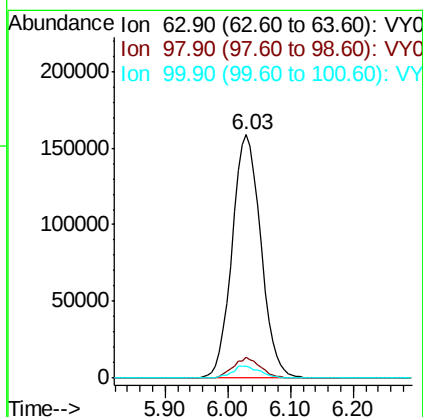
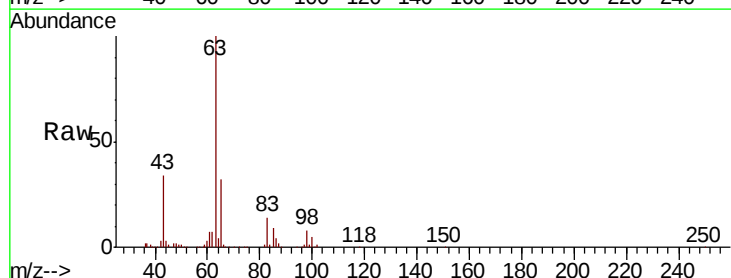
Tgt Ion: 63 Resp: 503754

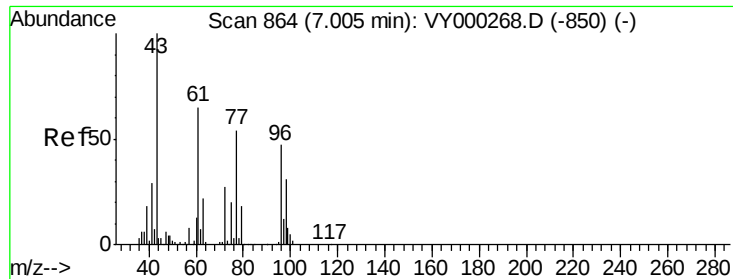
Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.4

100 4.9 2.1 6.2





#25

2-Butanone

Concen: 211.455 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 666127

Ion Ratio Lower Upper

43 100

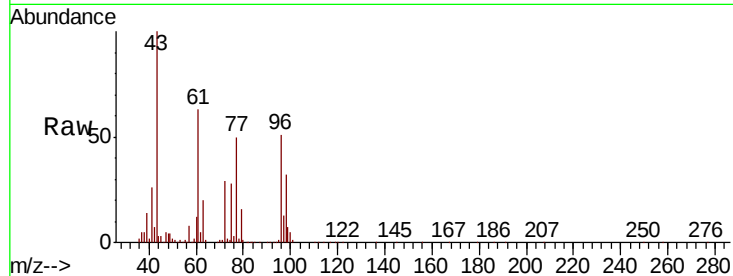
72 28.6 21.4 32.2

Manual Integrations

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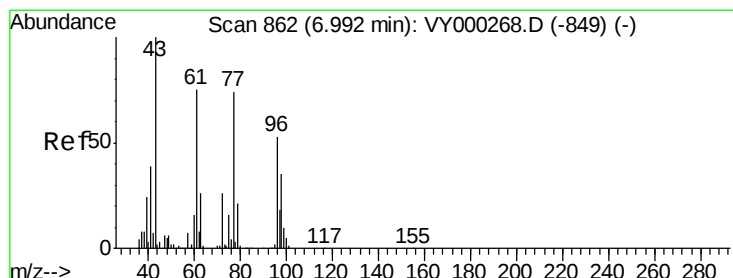
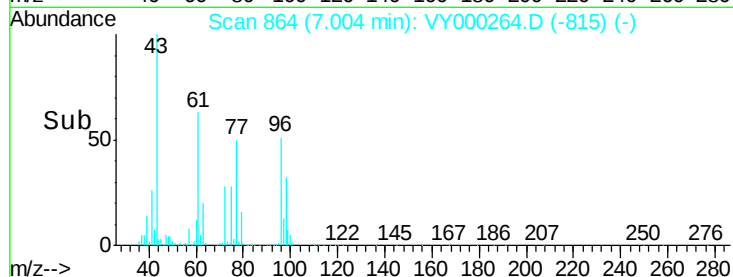
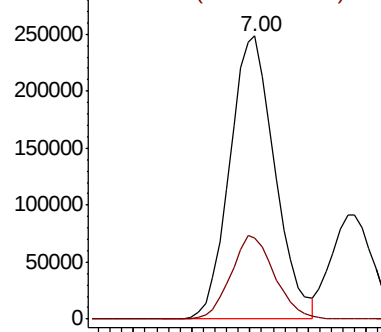
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Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 38.509 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY000264.D

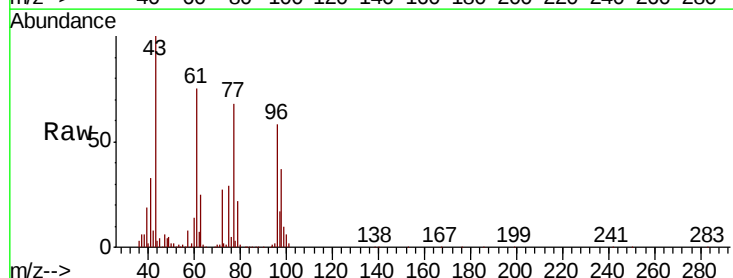
Acq: 11 Oct 2019 11:50

Tgt Ion: 77 Resp: 448854

Ion Ratio Lower Upper

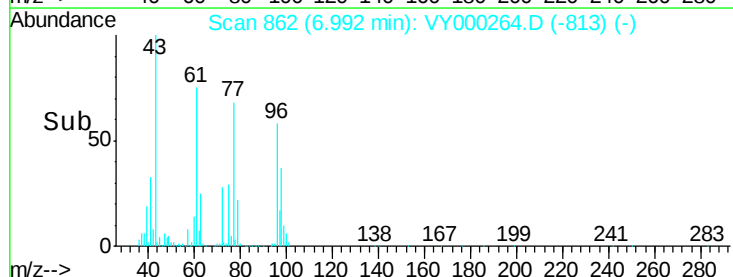
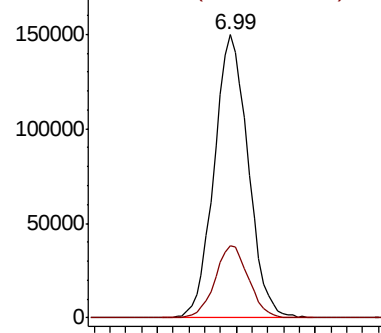
77 100

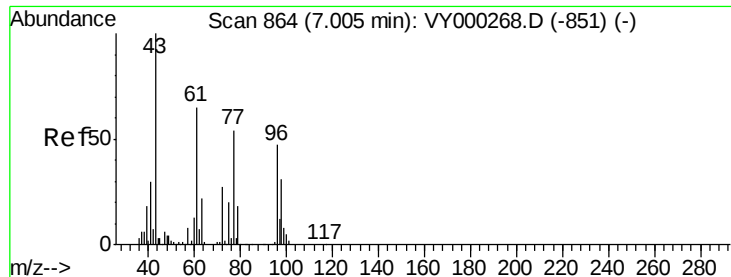
97 25.2 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

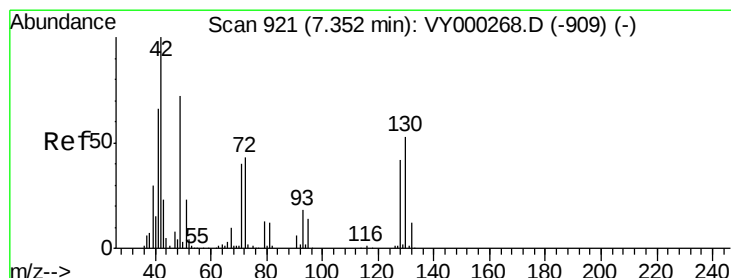
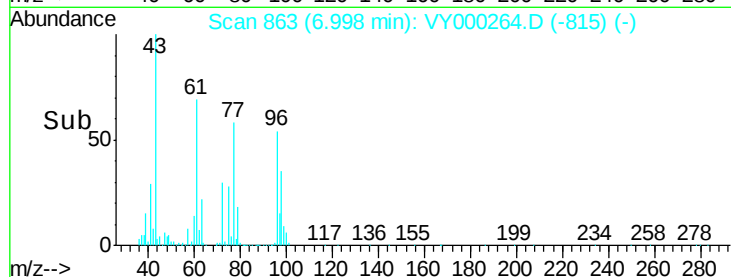
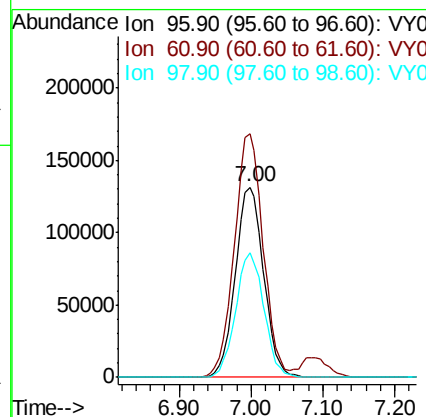
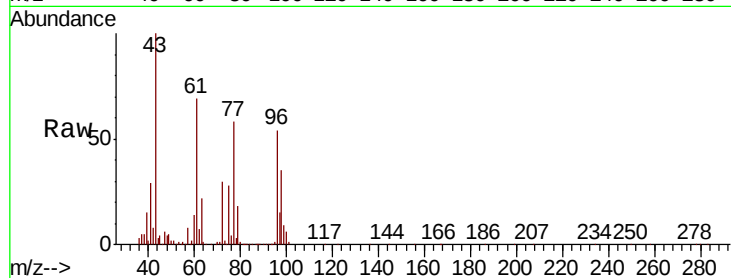
cis-1,2-Dichloroethene
Concen: 43.778 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.0	0.0	289.8
98	65.3	0.0	131.8

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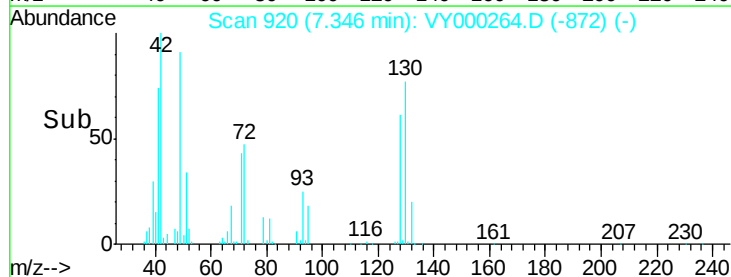
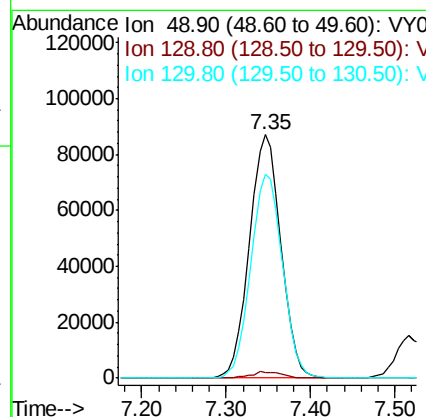
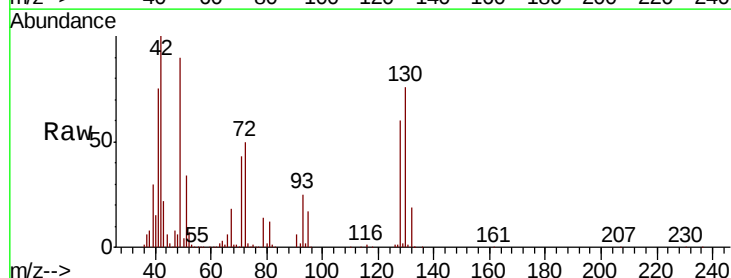
MMDadoda
10/15/2019 12:33:27 PM

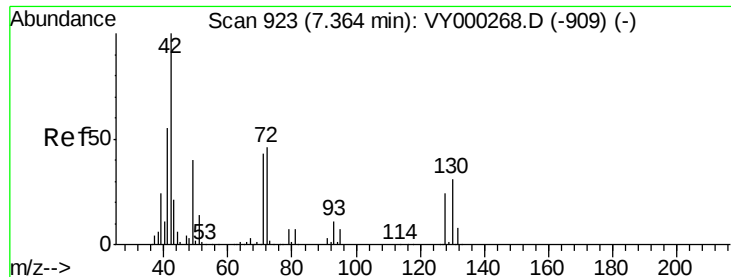


#28

Bromochloromethane
Concen: 40.609 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.0
130	84.7	58.2	87.2





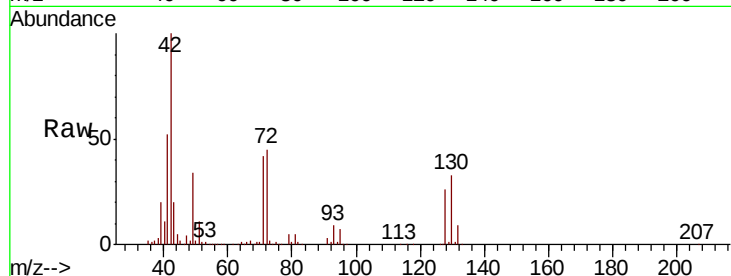
#29
Tetrahydrofuran
Concen: 193.066 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

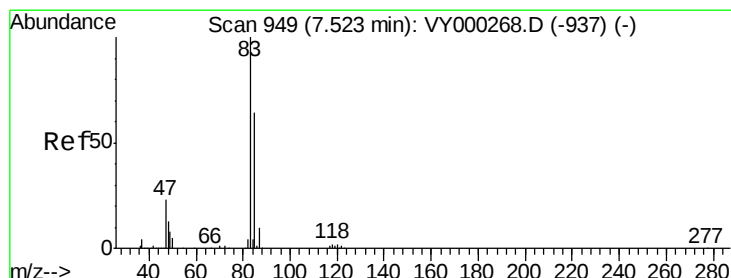
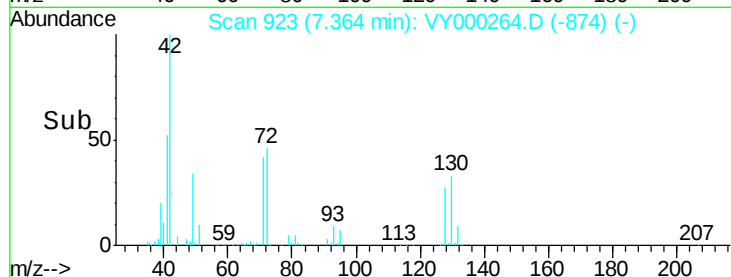
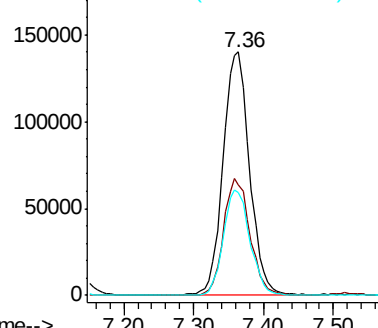
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	34.5	51.7
71	43.6	32.7	49.1

Manual Integrations
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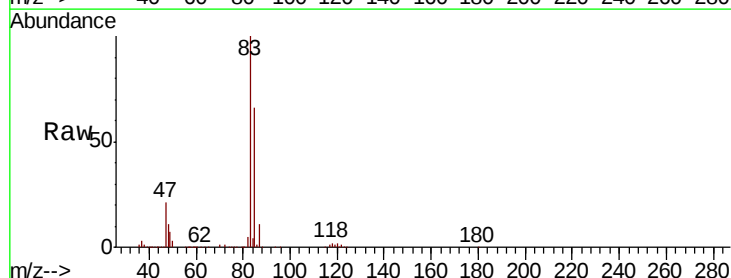


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

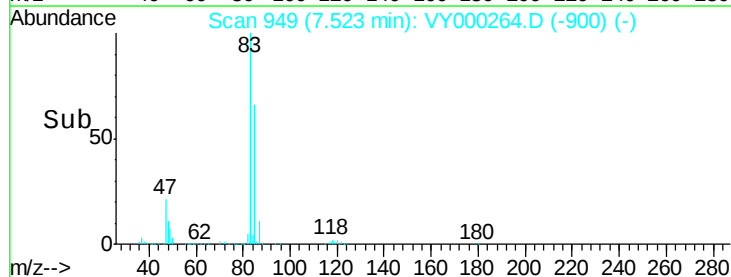
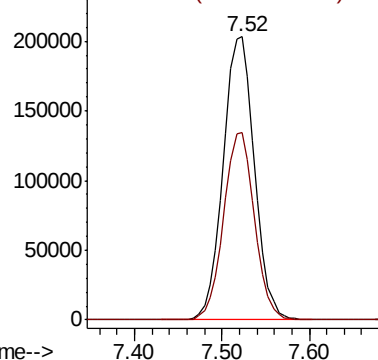


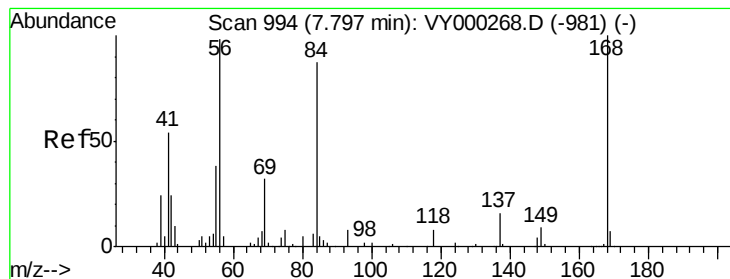
#30
Chloroform
Concen: 39.615 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 38.406 ug/l

RT: 7.79 min Scan# 993

Delta R.T. -0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

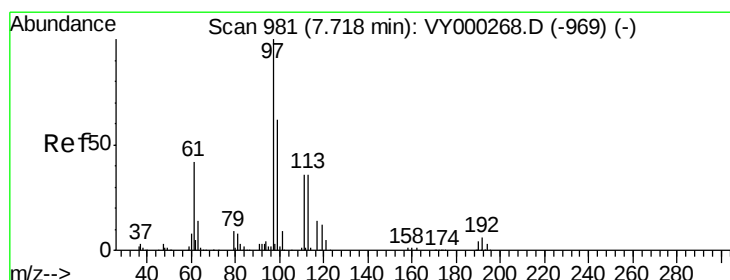
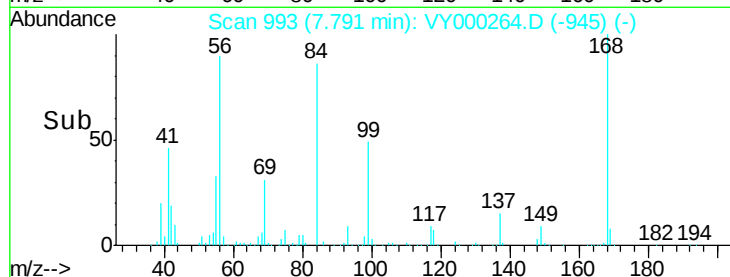
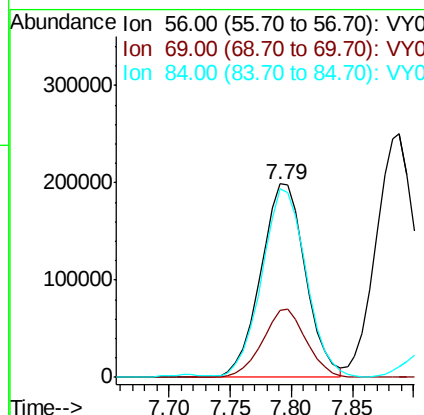
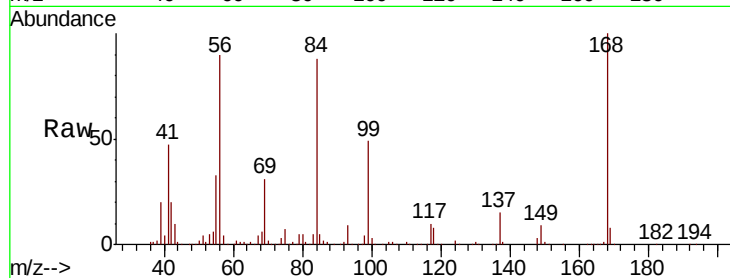
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	507402
Ion Ratio	Lower	Upper	
56	100		
69	34.5	26.3	39.5
84	96.0	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 39.775 ug/l

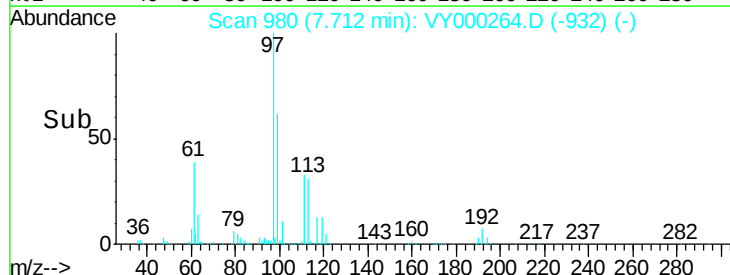
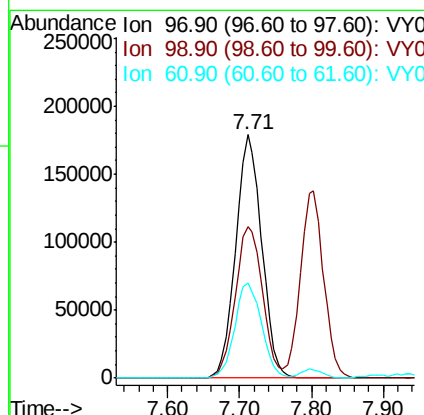
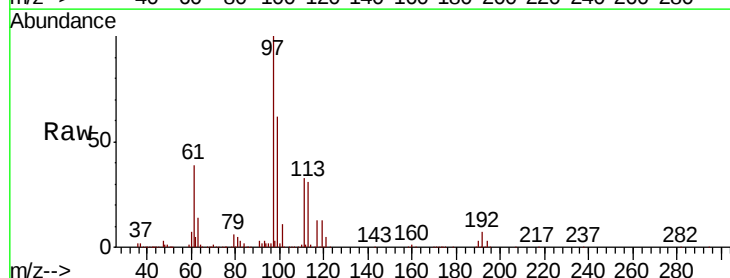
RT: 7.71 min Scan# 980

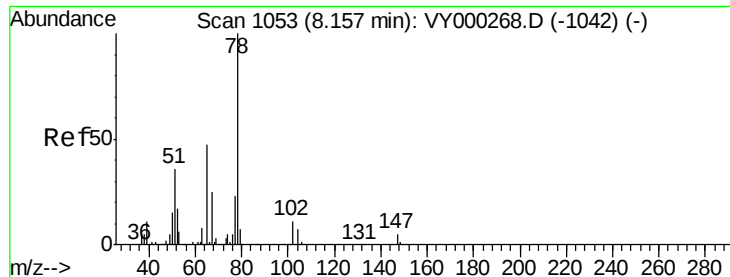
Delta R.T. -0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tgt Ion:	97	Resp:	450451
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.7	77.5
61	40.3	34.5	51.7





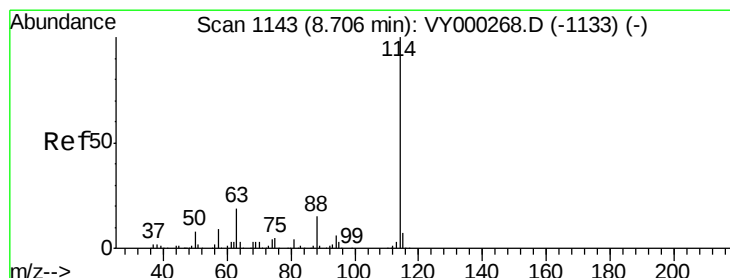
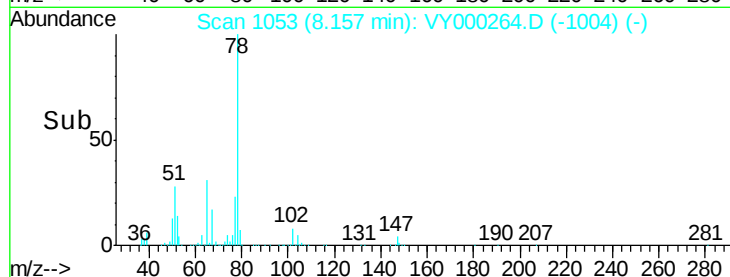
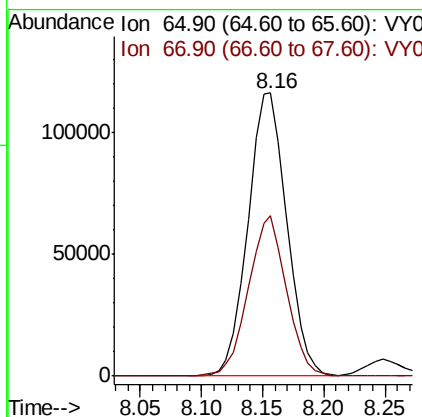
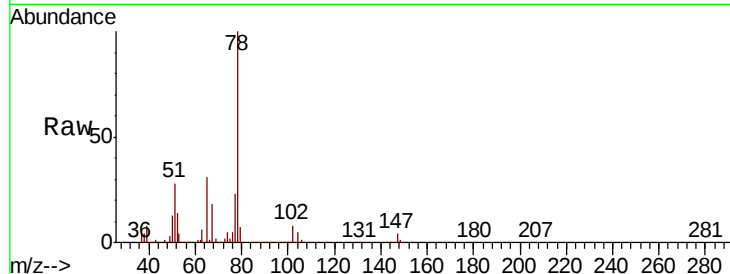
#33
 1,2-Dichloroethane-d4
 Concen: 37.244 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	257187		
67	55.6	0.0	109.4	

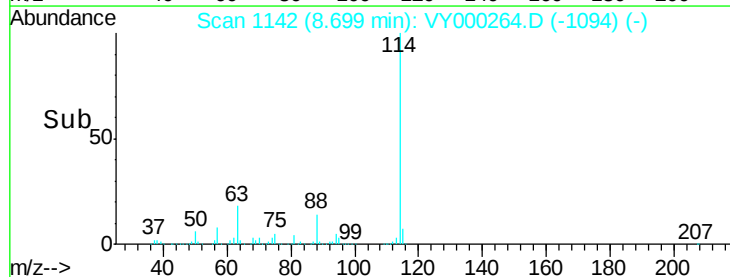
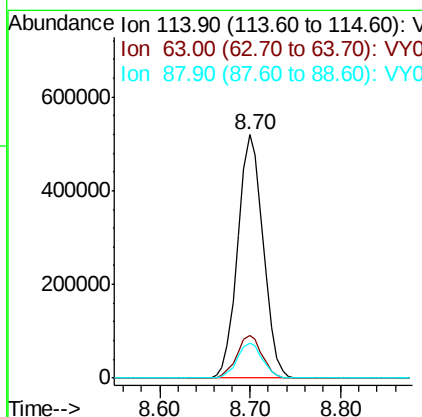
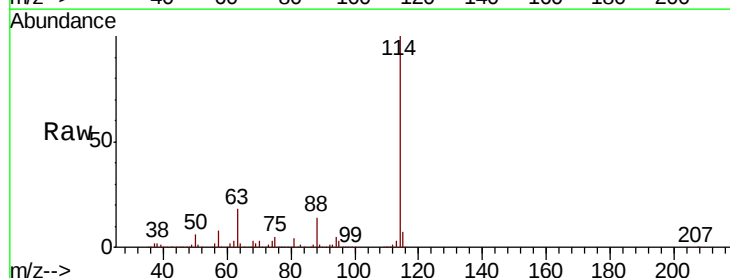
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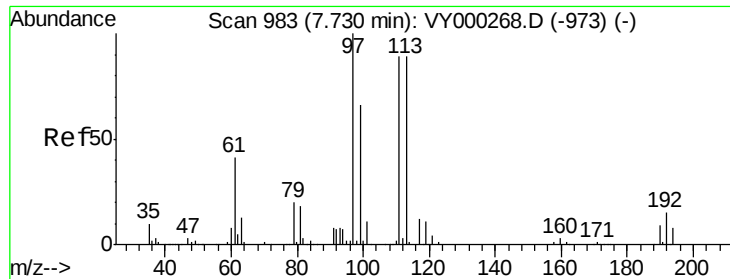
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1007266		
63	17.6	0.0	37.2	
88	14.2	0.0	30.2	





#35

Dibromofluoromethane

Concen: 44.476 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

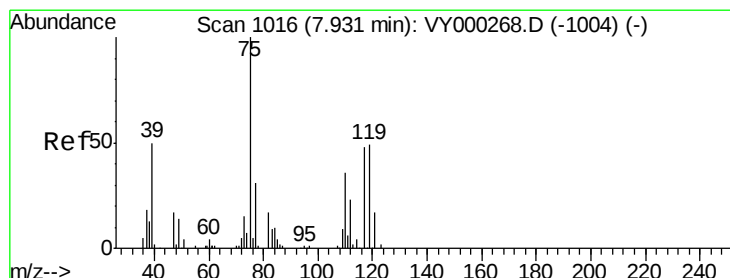
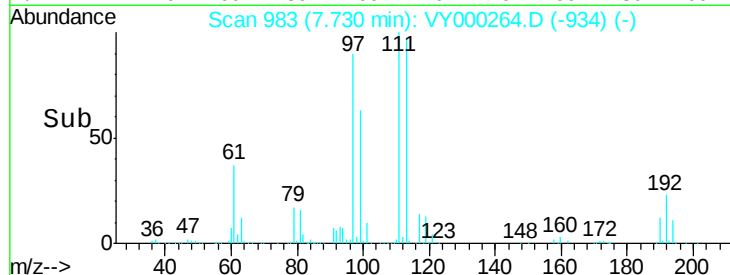
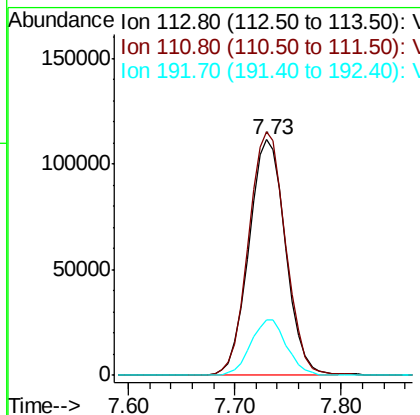
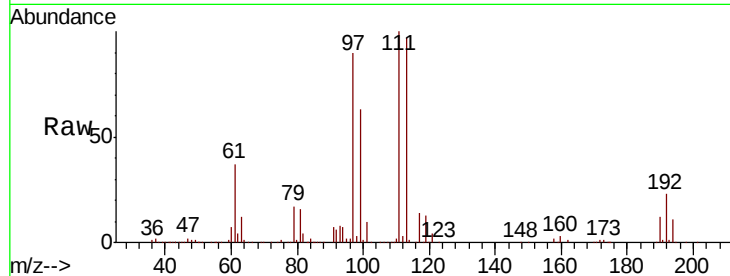
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	270230
Ion Ratio	Lower	Upper	
113	100		
111	104.0	81.6	122.4
192	23.1	15.3	22.9#

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#36

1,1-Dichloropropene

Concen: 42.524 ug/l

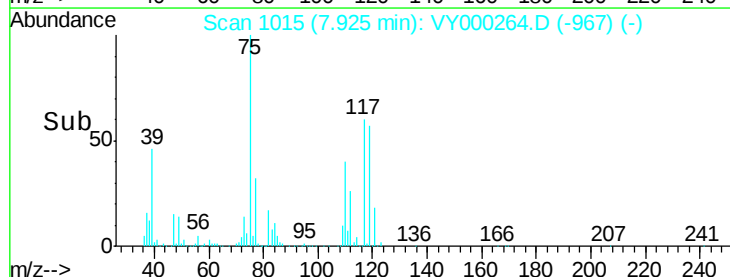
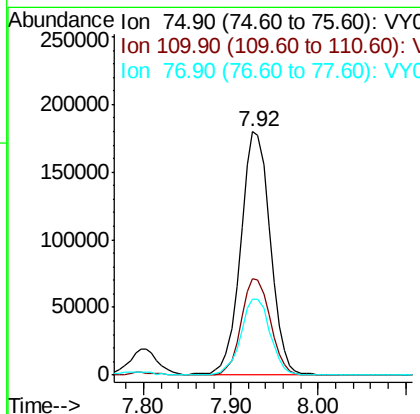
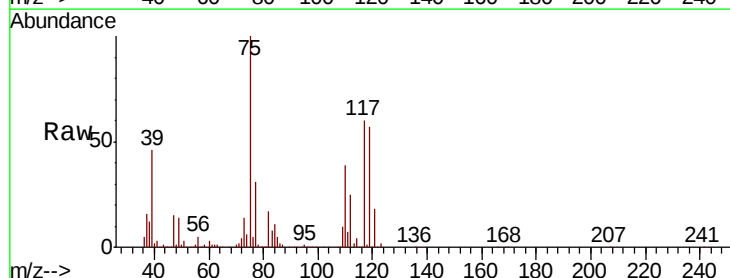
RT: 7.92 min Scan# 1015

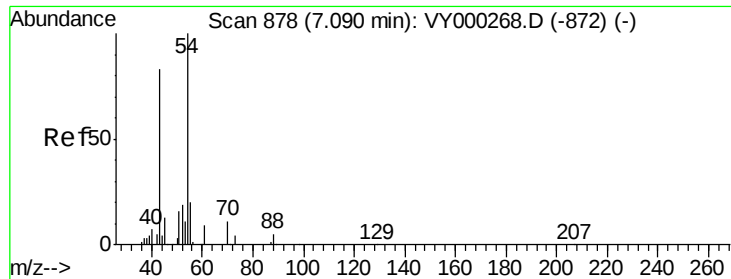
Delta R.T. -0.01 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tgt Ion:	75	Resp:	419365
Ion Ratio	Lower	Upper	
75	100		
110	39.3	18.4	55.4
77	31.5	25.0	37.6





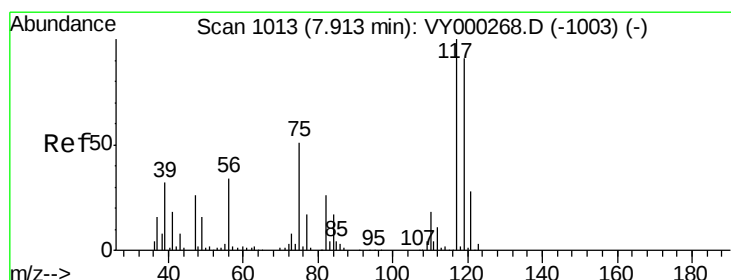
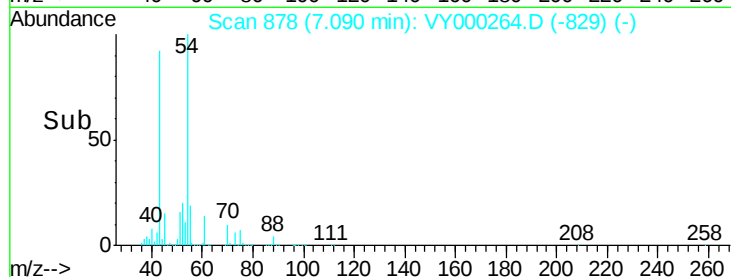
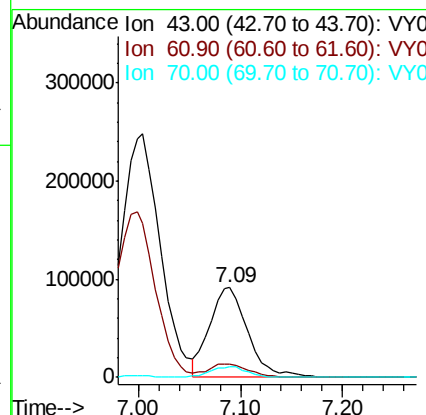
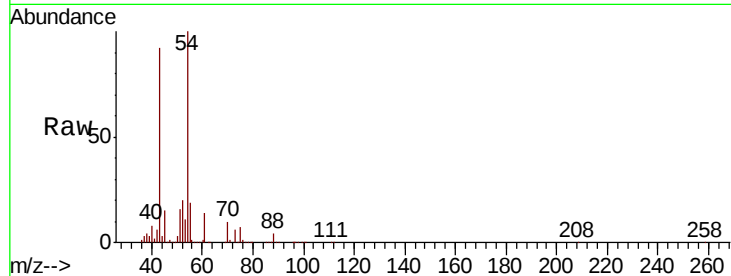
#37
Ethyl Acetate
Concen: 40.598 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.1	18.1
70	11.8	8.7	13.1

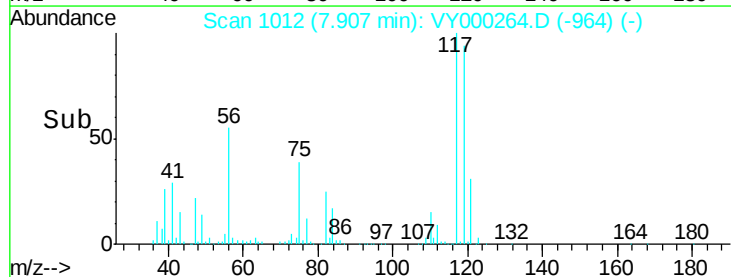
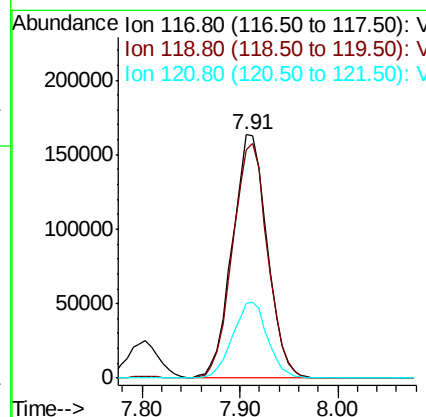
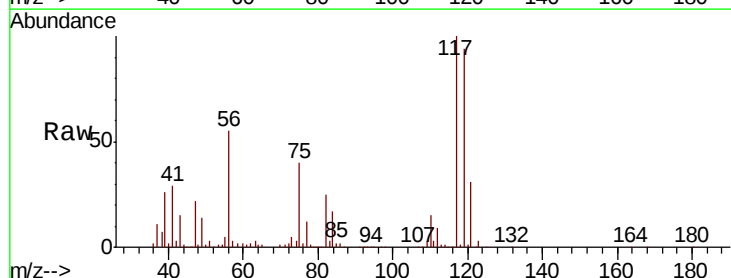
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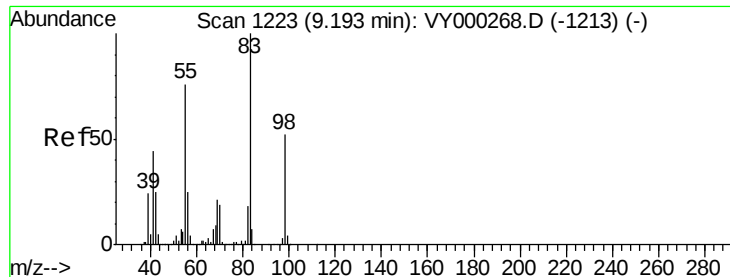
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#38
Carbon Tetrachloride
Concen: 42.397 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	72.8	109.2
121	30.5	22.2	33.2





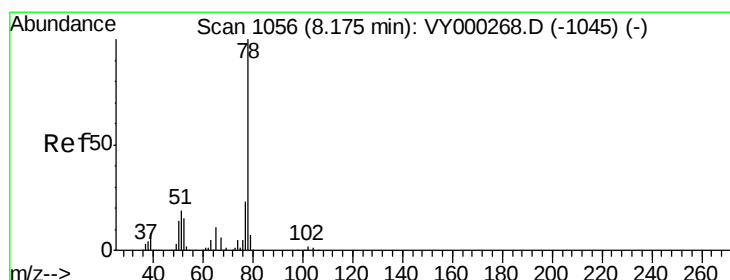
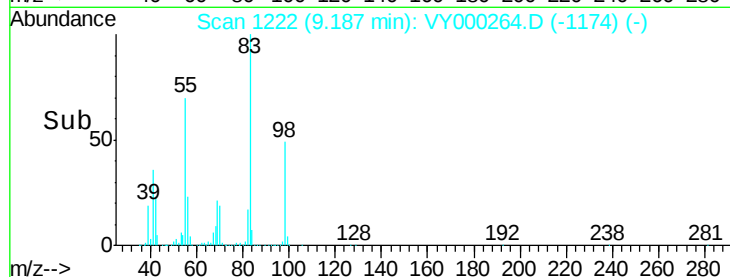
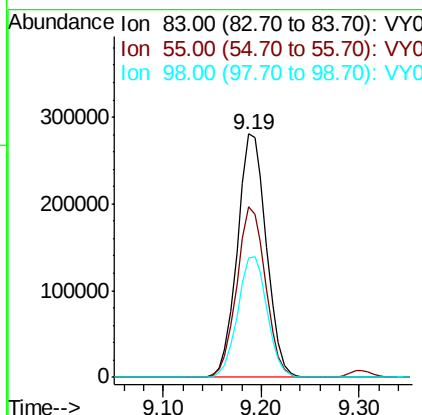
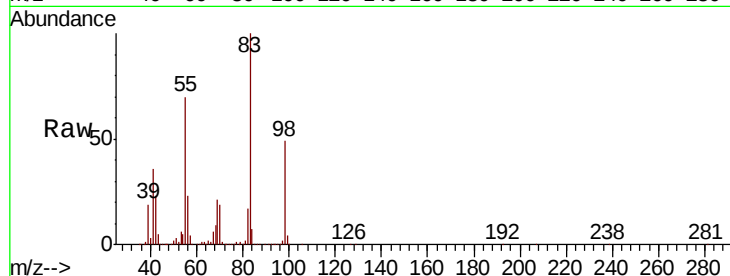
#39
Methvlcvclohexane
Concen: 44.644 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.2	60.9	91.3
98	48.8	41.8	62.6

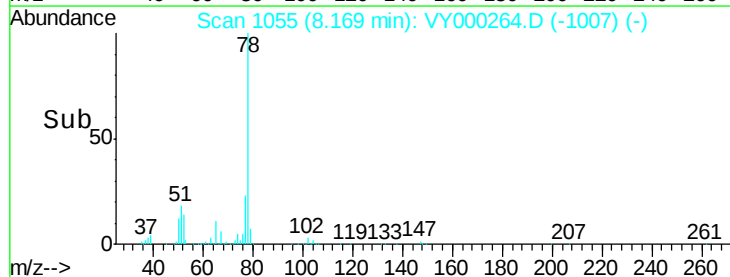
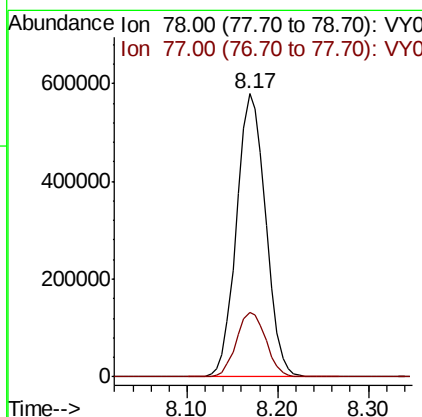
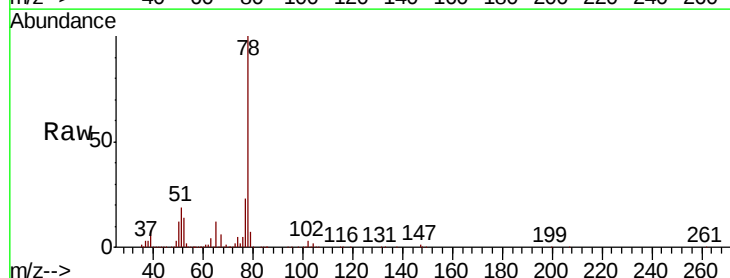
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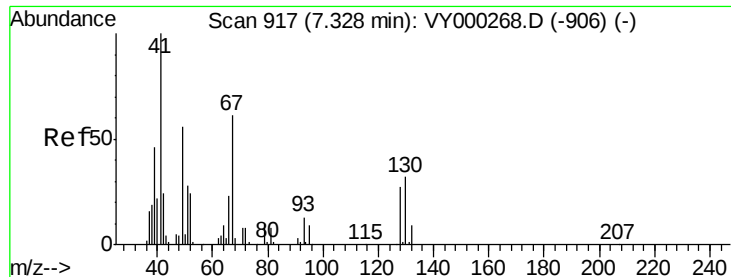
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#40
Benzene
Concen: 45.151 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2





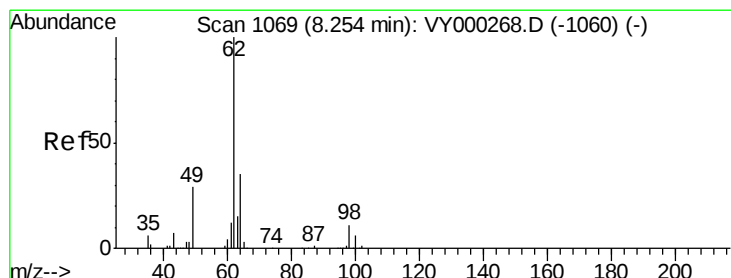
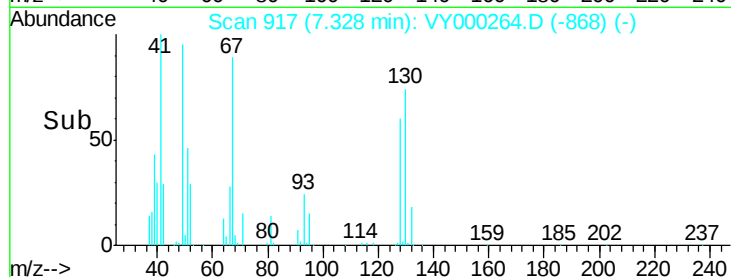
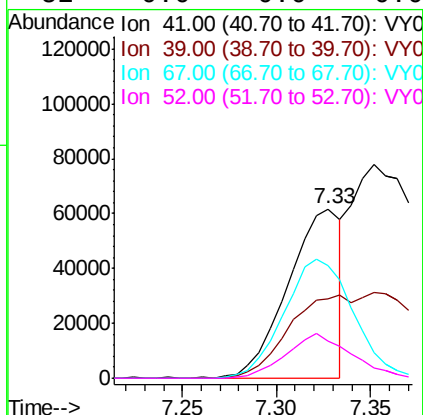
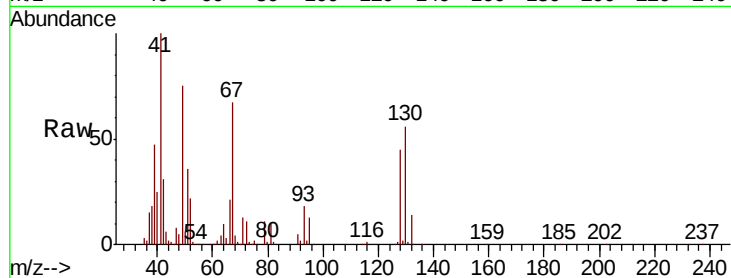
#41
Methacrylonitrile
Concen: 43.744 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

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

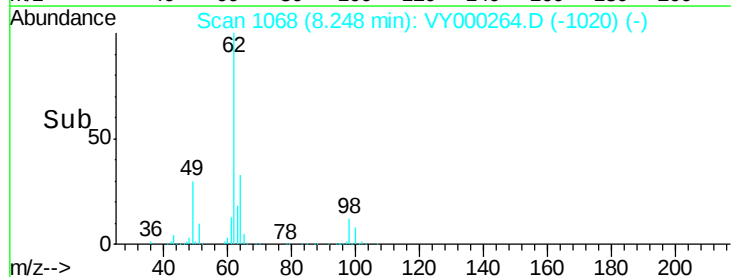
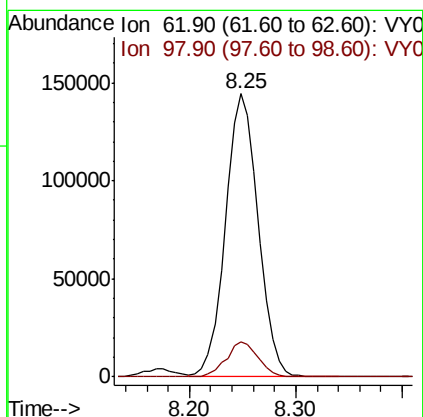
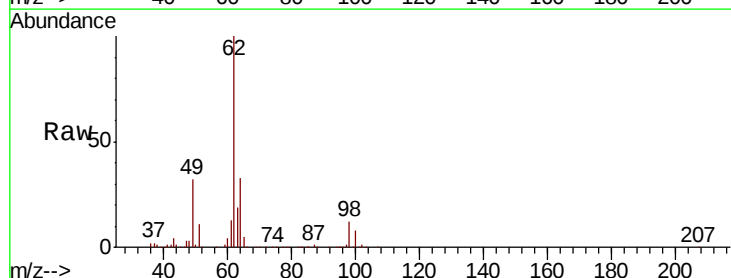
Manual Integrations
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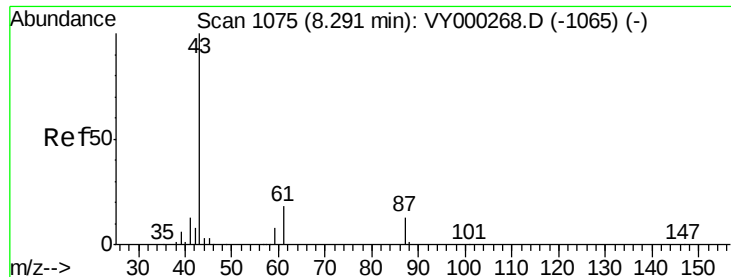
MMDadoda
10/15/2019 12:33:27 PM



#42
1,2-Dichloroethane
Concen: 38.112 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.1	0.0	20.6





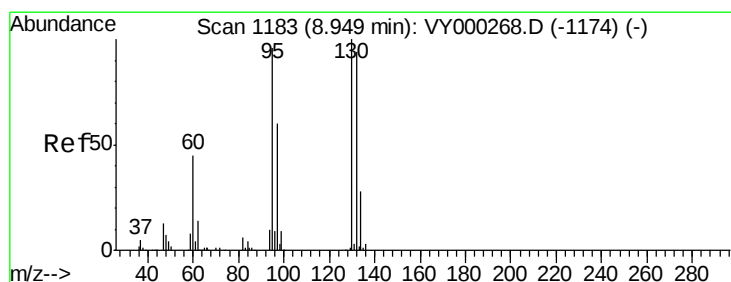
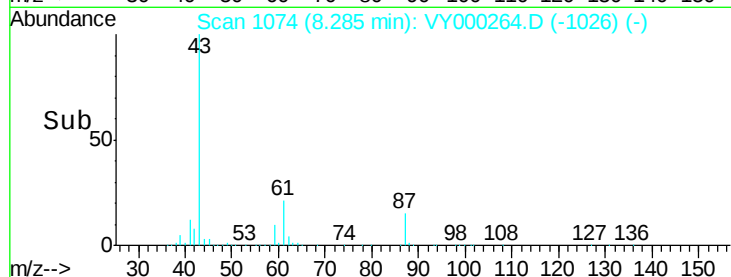
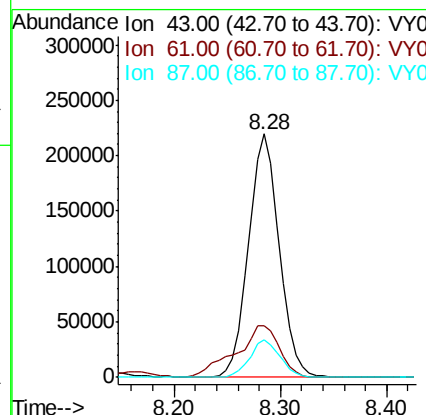
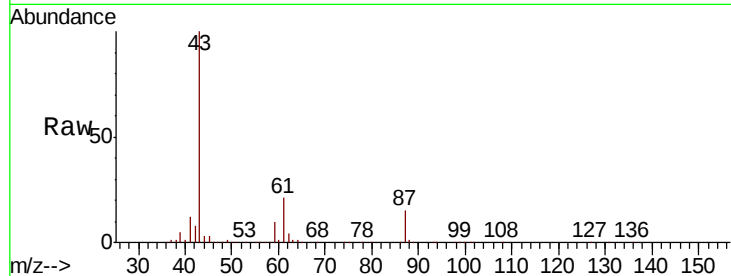
#43
Isopropyl Acetate
Concen: 39.905 ug/l
RT: 8.28 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.0	22.3	33.5
87	15.1	10.9	16.3

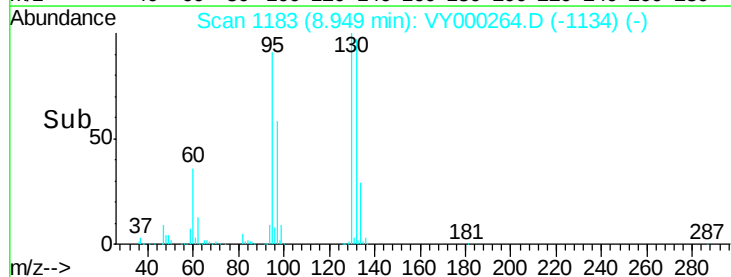
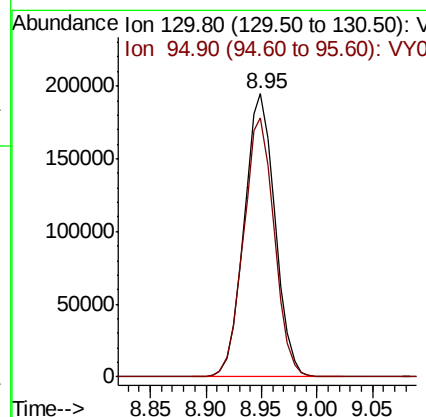
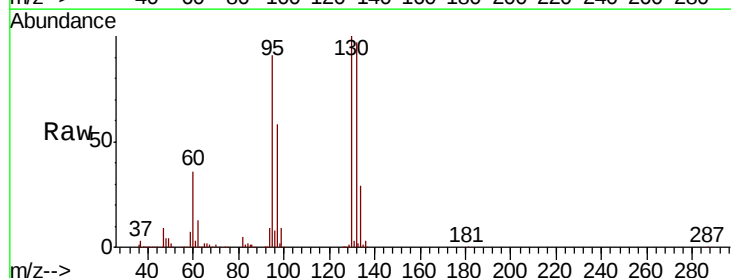
Manual Integrations
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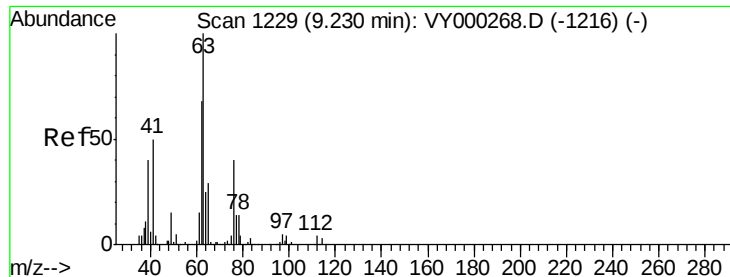
MMDadoda
10/15/2019 12:33:27 PM



#44
Trichloroethene
Concen: 46.670 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	191.4





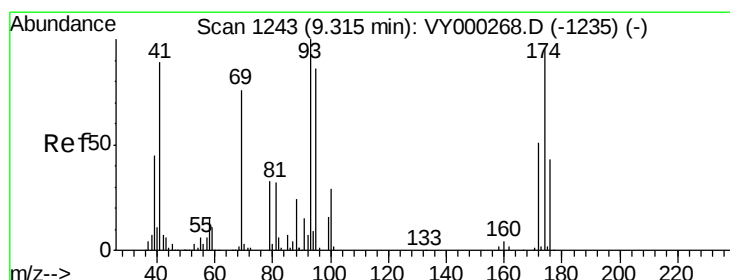
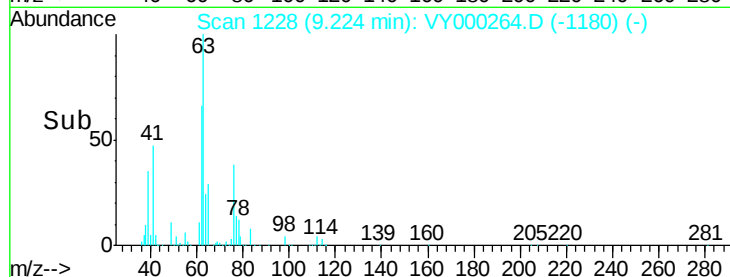
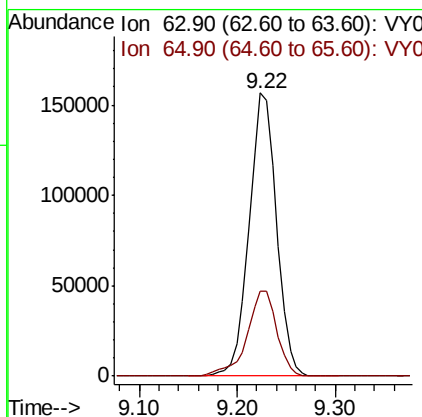
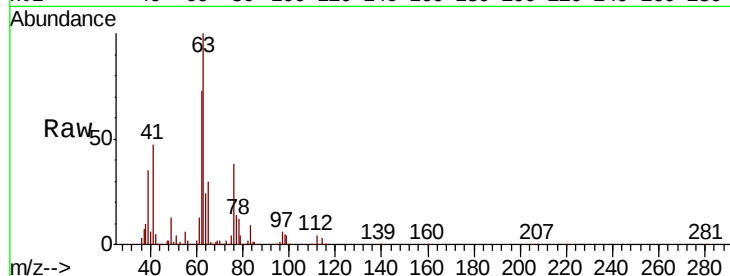
#45
 1,2-Dichloropropane
 Concen: 43.499 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 304225
 Ion Ratio Lower Upper
 63 100
 65 29.9 23.2 34.8

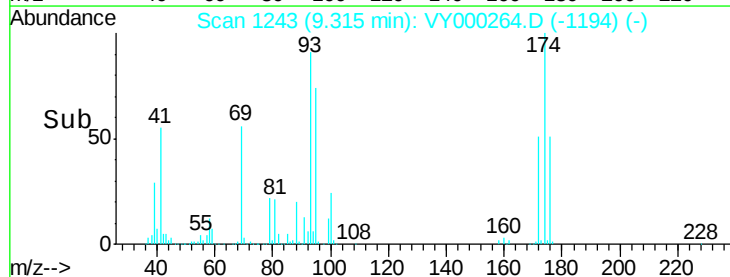
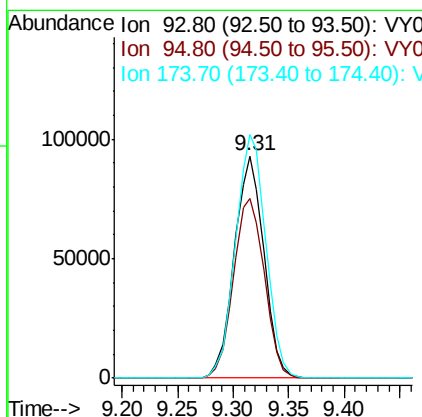
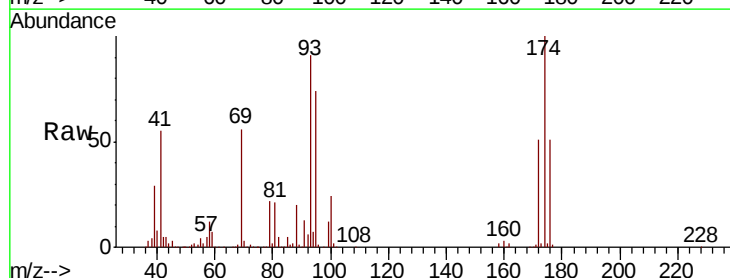
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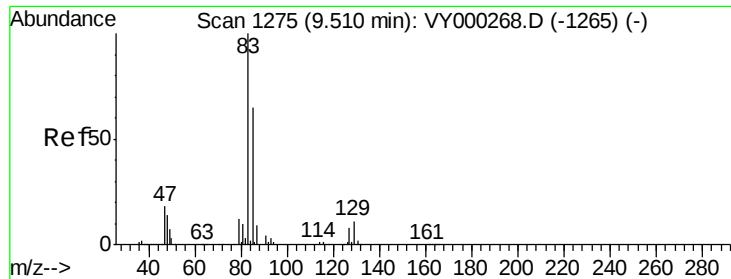
MMDadoda
 10/15/2019 12:33:27 PM



#46
 Dibromomethane
 Concen: 43.763 ug/l
 RT: 9.31 min Scan# 1243
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion: 93 Resp: 171100
 Ion Ratio Lower Upper
 93 100
 95 84.4 68.2 102.2
 174 112.2 79.8 119.6





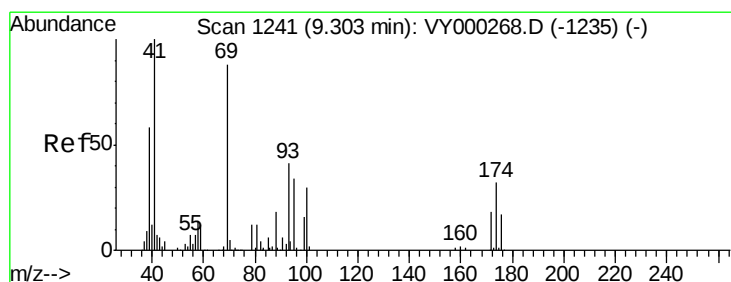
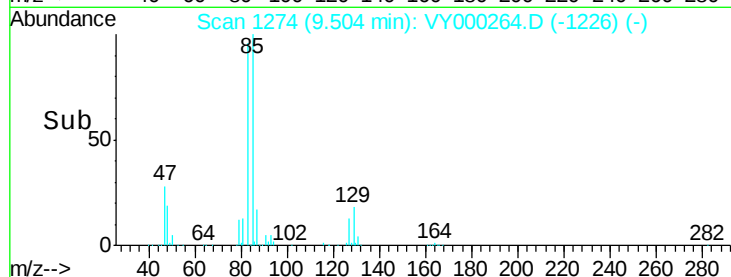
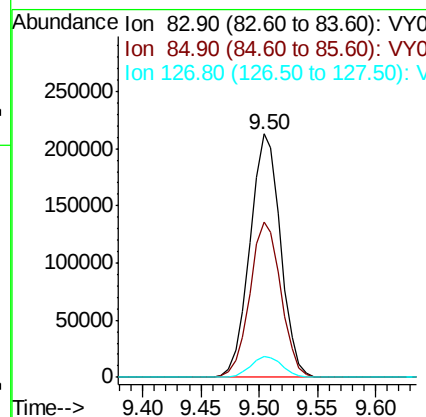
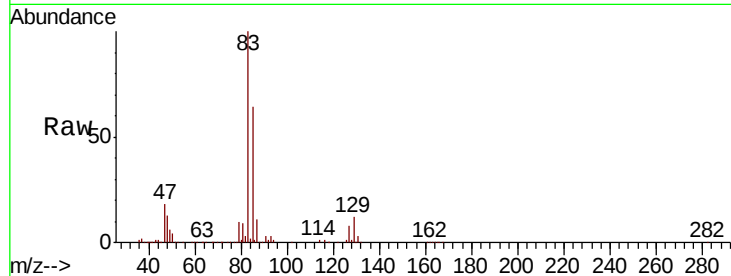
#47
Bromodichloromethane
Concen: 42.485 ug/l
RT: 9.50 min Scan# 1274
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.2
127	8.3	6.3	9.5

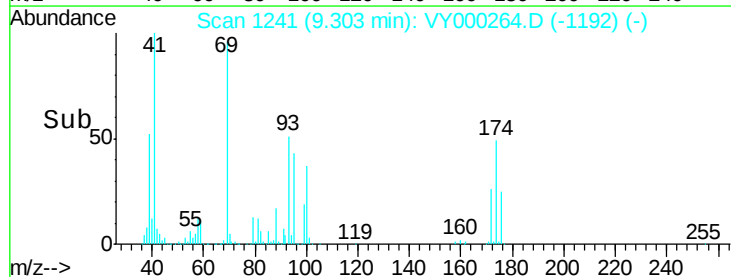
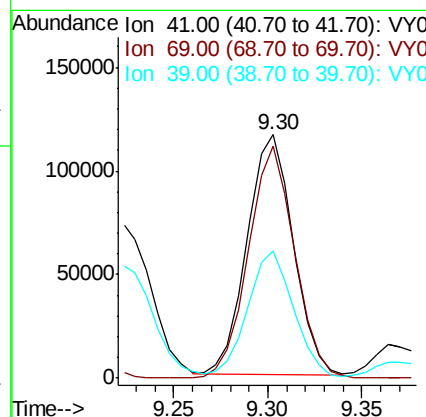
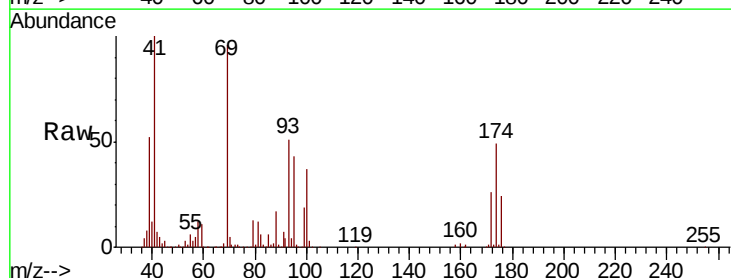
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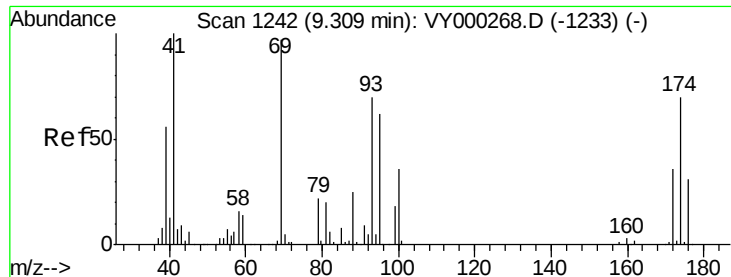
MMDadoda
10/15/2019 12:33:27 PM



#48
Methyl methacrylate
Concen: 40.548 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
41	100		
69	96.6	70.0	105.0
39	52.9	47.7	71.5





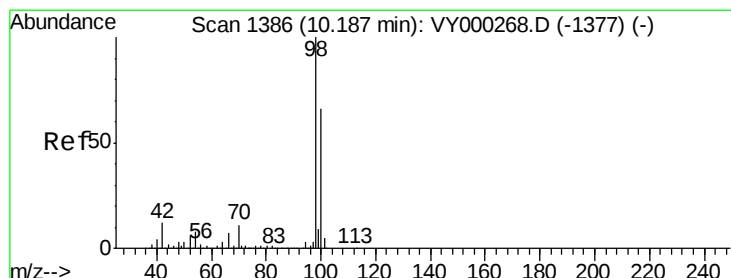
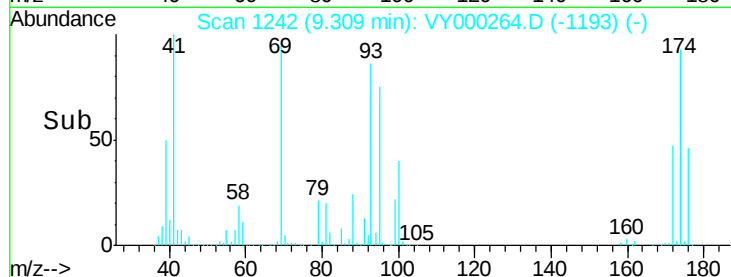
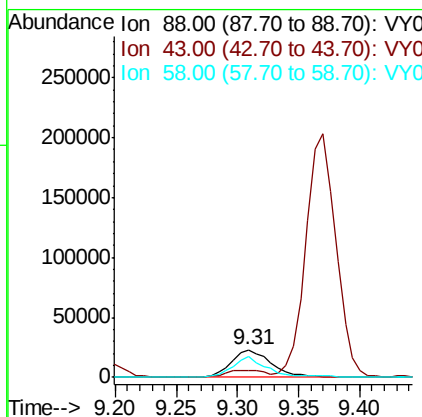
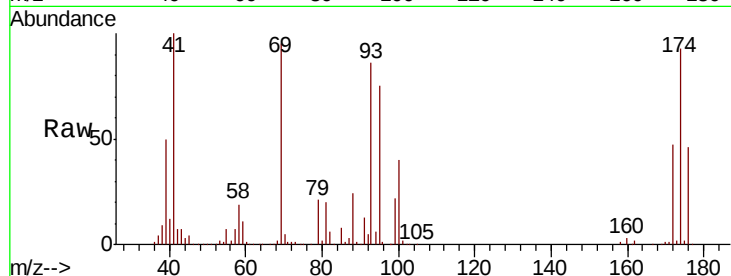
#49
1,4-Dioxane
Concen: 880.640 ug/l
RT: 9.31 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	24.8	25.6	38.4#
58	69.4	54.6	81.8

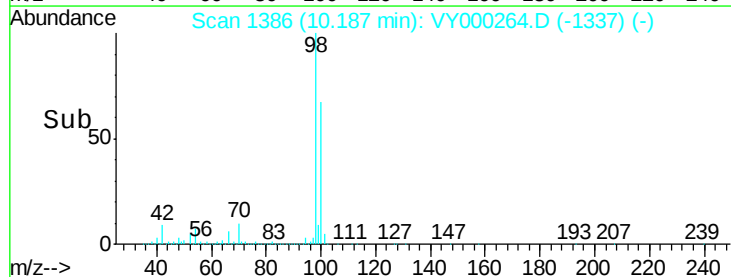
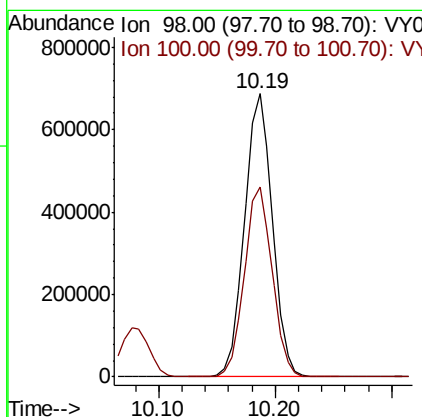
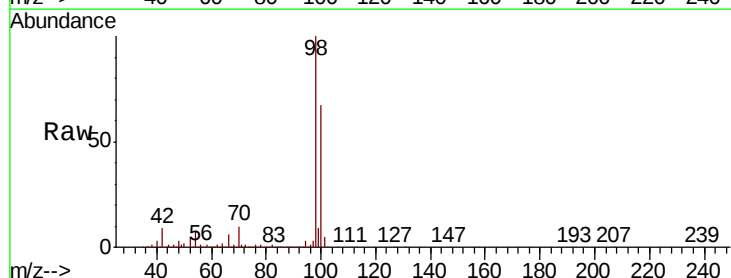
Manual Integrations
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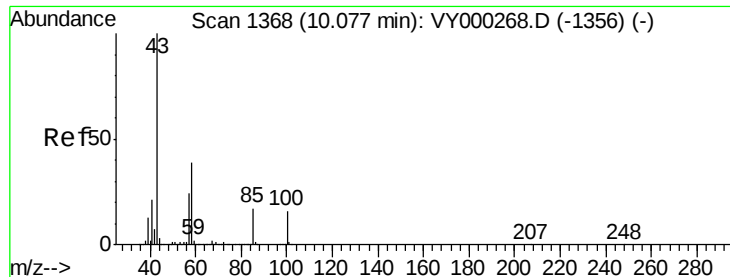
MMDadoda
10/15/2019 12:33:27 PM



#50
Toluene-d8
Concen: 49.208 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 202.751 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1161088

Ion Ratio Lower Upper

43 100

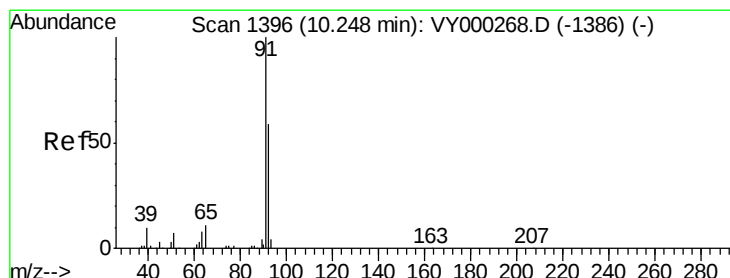
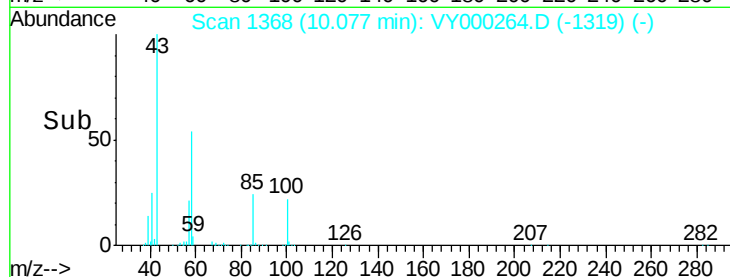
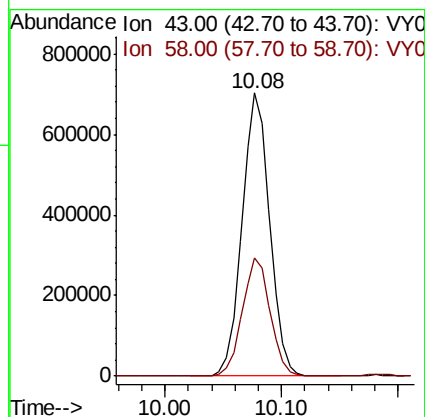
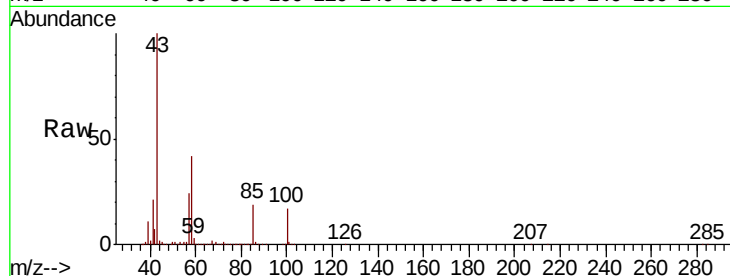
58 42.0 31.0 46.6

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#52

Toluene

Concen: 46.598 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.00 min

Lab File: VY000264.D

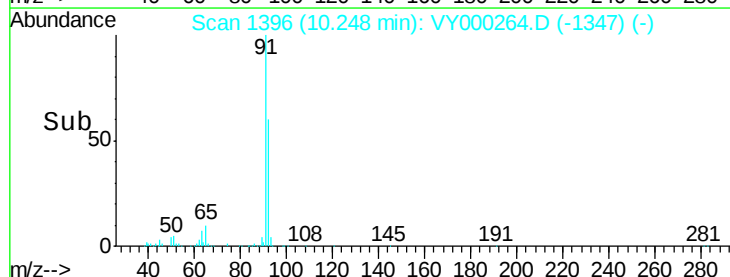
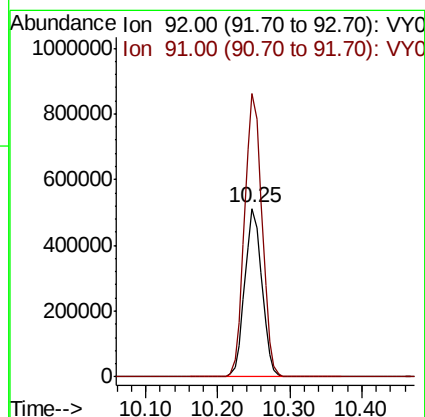
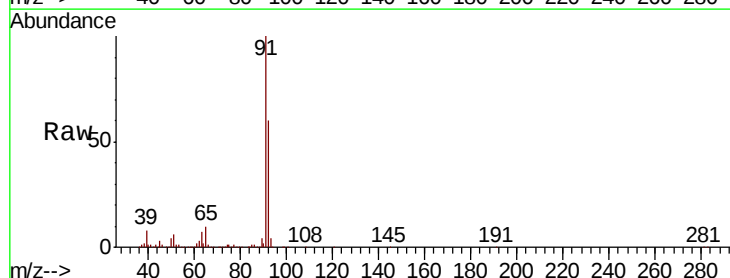
Acq: 11 Oct 2019 11:50

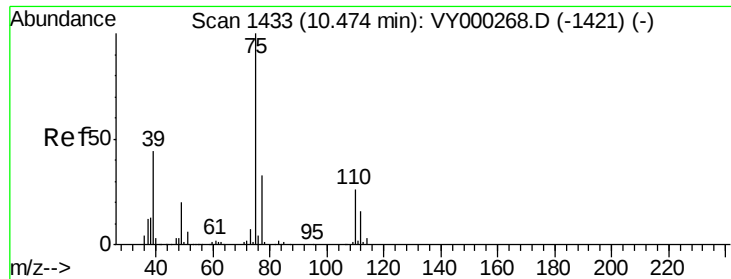
Tgt Ion: 92 Resp: 843144

Ion Ratio Lower Upper

92 100

91 170.6 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 43.538 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 429921

Ion Ratio Lower Upper

75 100

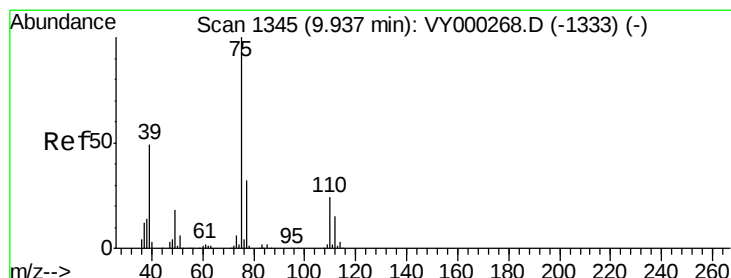
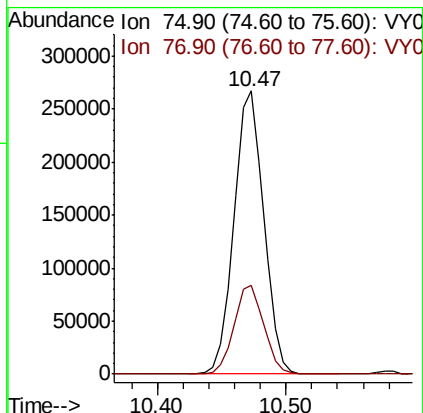
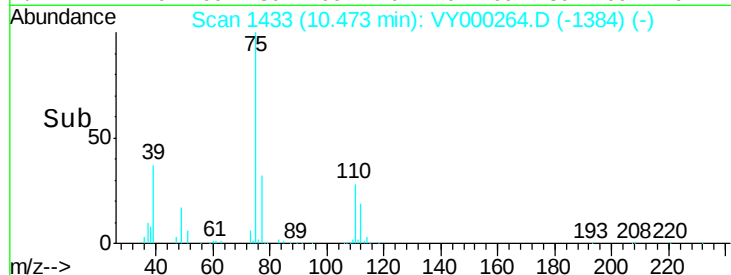
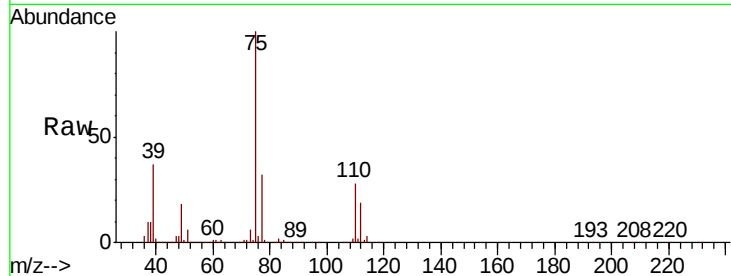
77 31.6 26.0 39.0

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 44.253 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

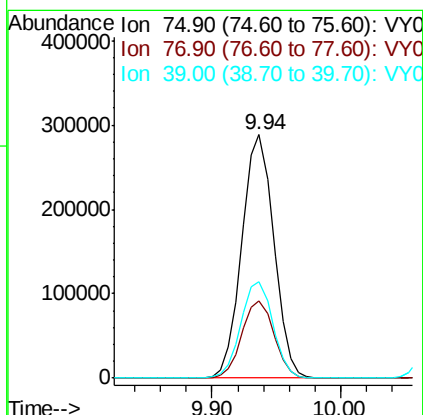
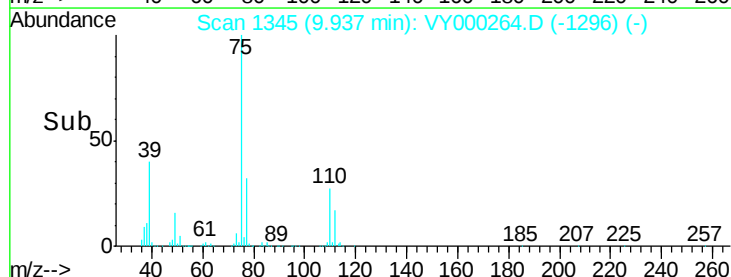
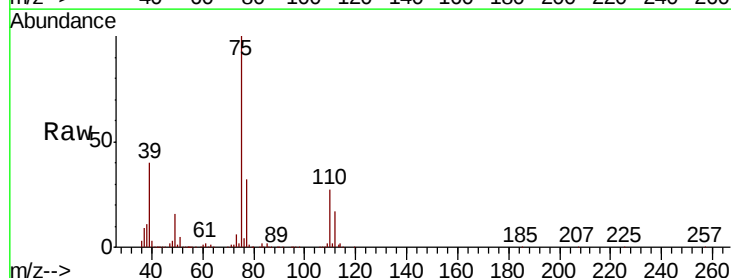
Tgt Ion: 75 Resp: 496259

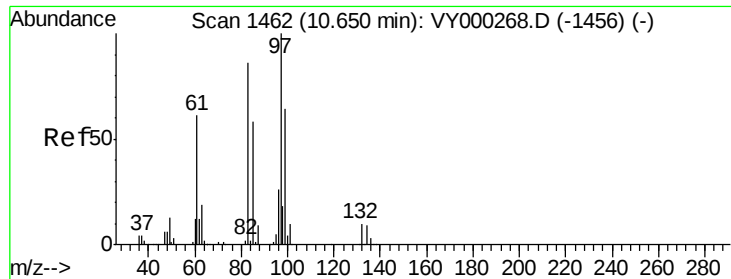
Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0

39 39.7 38.8 58.2





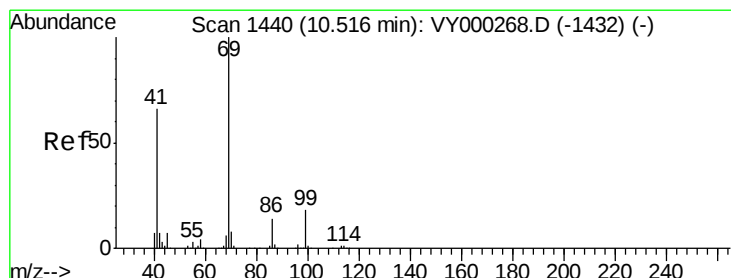
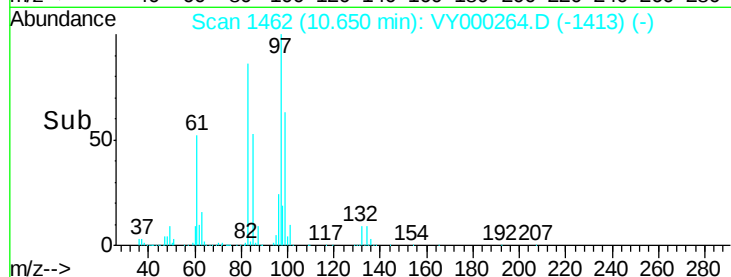
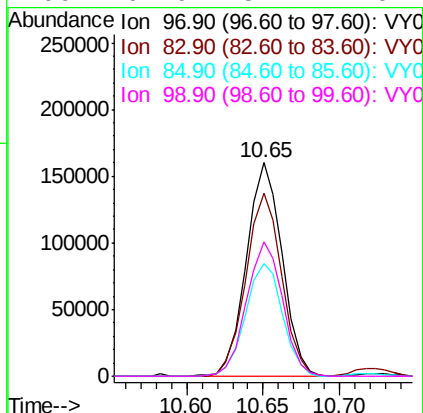
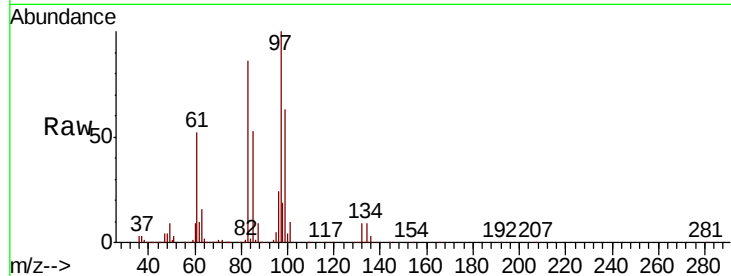
#55
 1,1,2-Trichloroethane
 Concen: 45.678 ug/l
 RT: 10.65 min Scan# 1462
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	259661
Ion	Ratio	Lower	Upper
97	100		
83	85.7	69.0	103.6
85	52.8	46.2	69.4
99	62.9	51.1	76.7

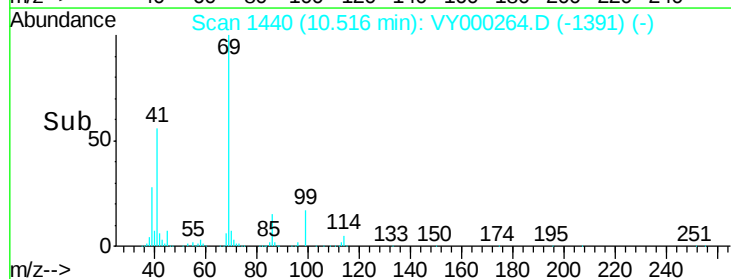
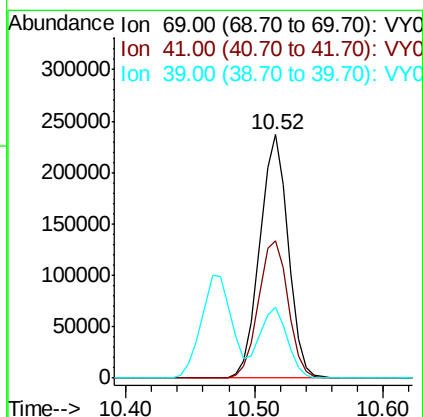
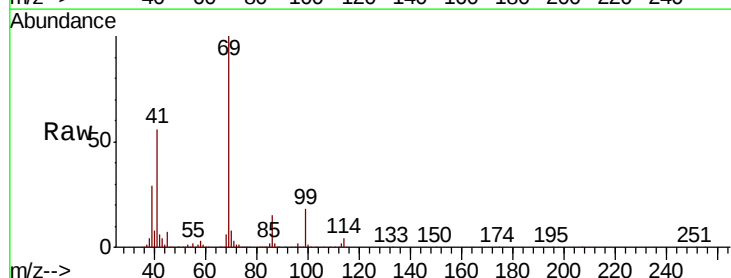
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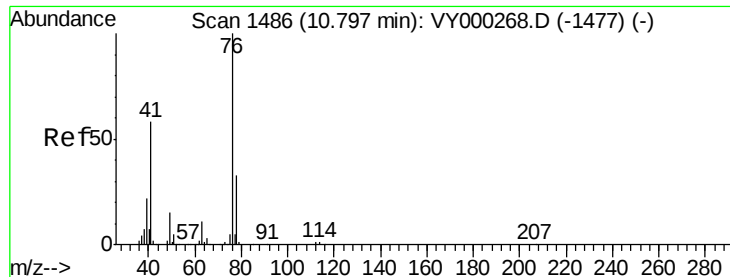
MMDadoda
 10/15/2019 12:33:27 PM



#56
 Ethyl methacrylate
 Concen: 44.299 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	69	Resp	358936
Ion	Ratio	Lower	Upper
69	100		
41	58.8	52.5	78.7
39	28.8	26.7	40.1





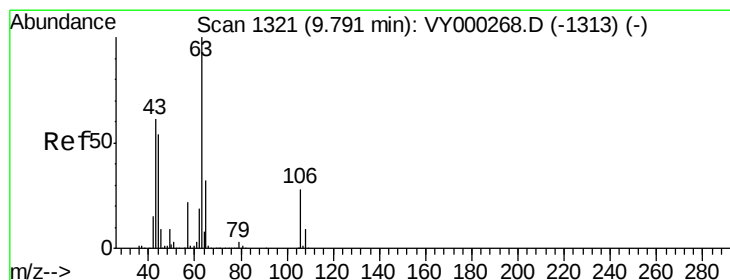
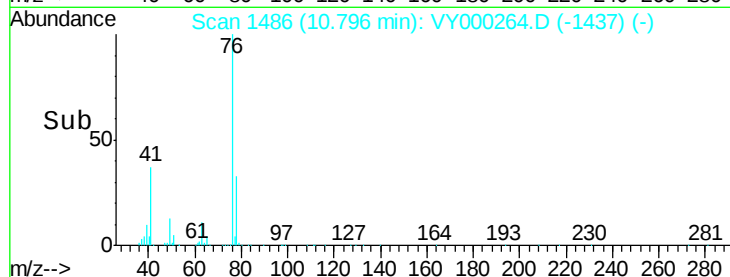
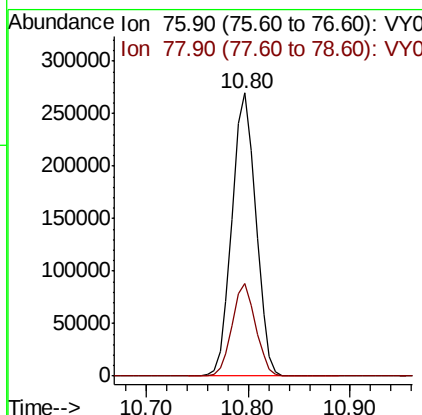
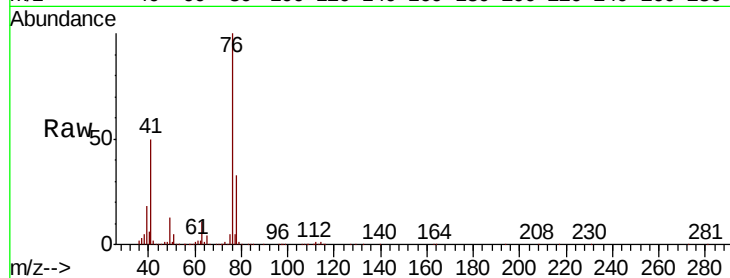
#57
 1,3-Dichloropropane
 Concen: 44.687 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.2

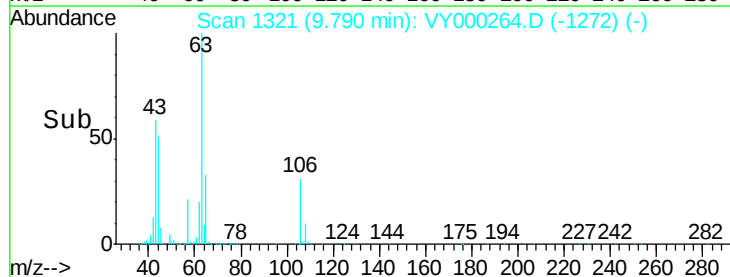
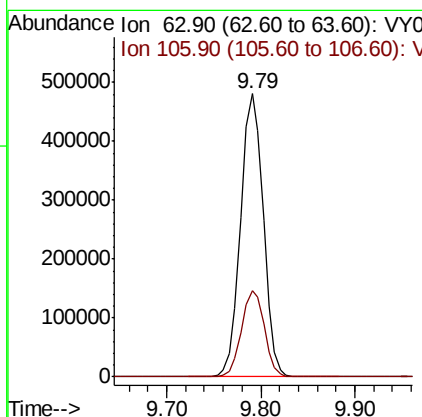
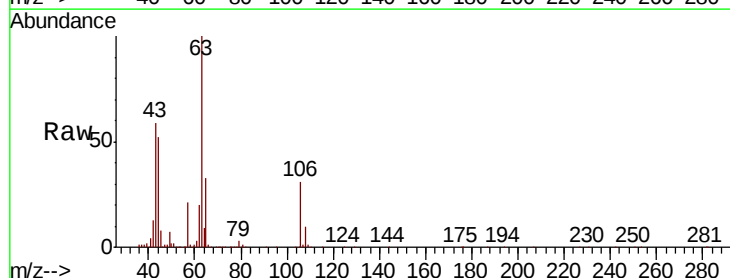
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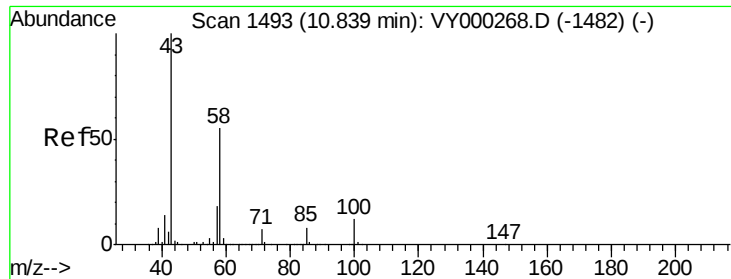
MMDadoda
 10/15/2019 12:33:27 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 250.469 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	23.0	34.4





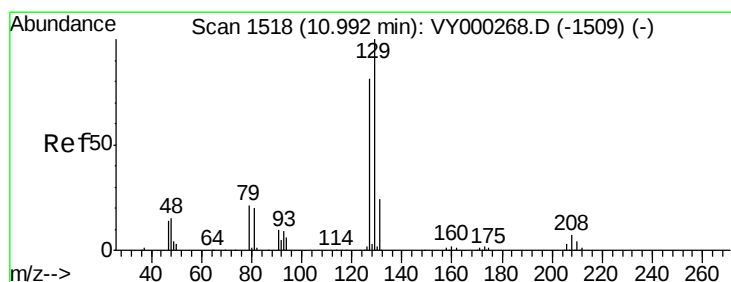
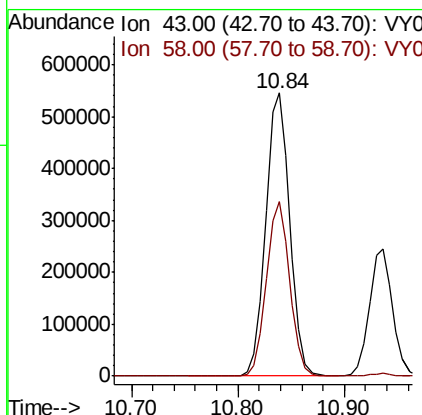
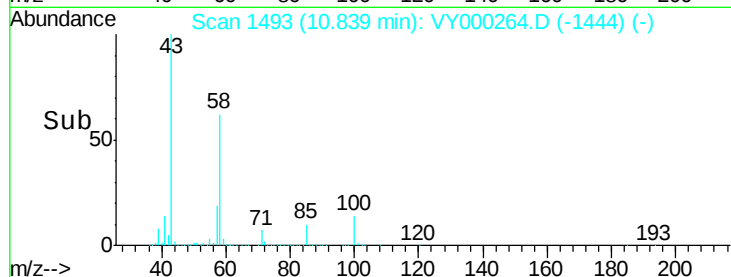
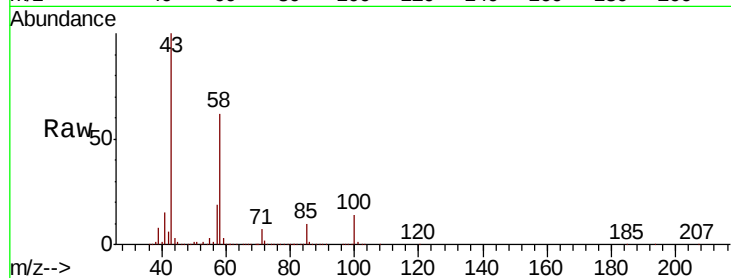
#59
2-Hexanone
Concen: 213.772 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 859281
Ion Ratio Lower Upper
43 100
58 60.1 27.7 83.1

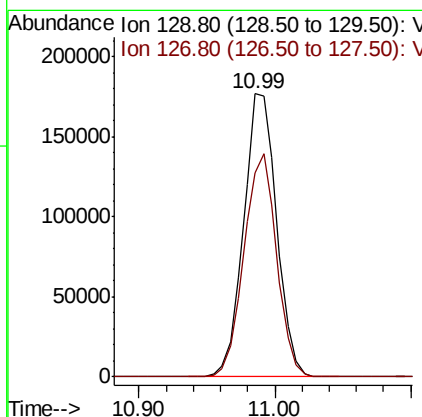
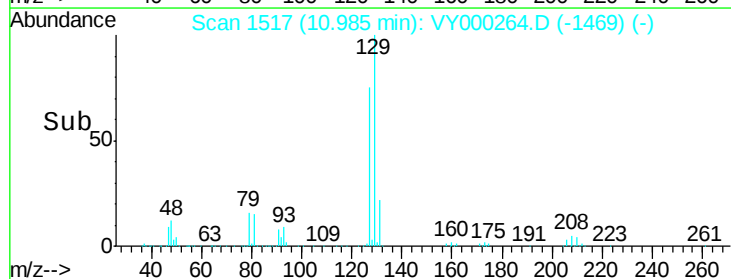
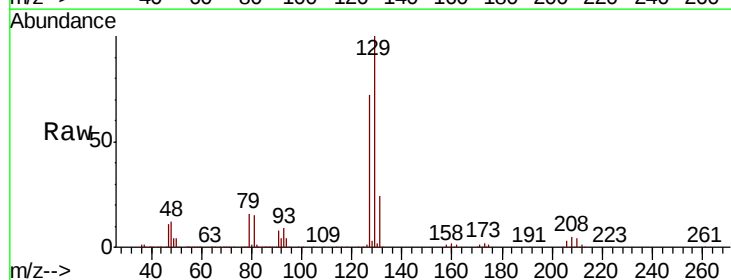
Manual Integrations
APPROVED

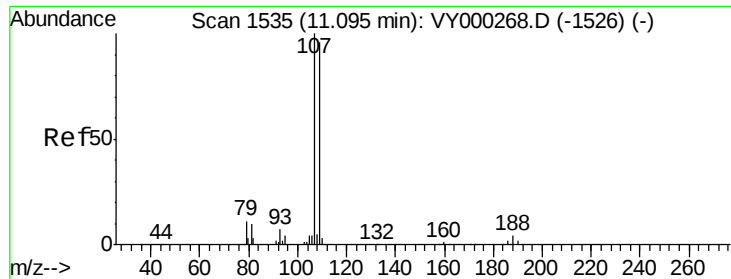
MMDadoda
10/15/2019 12:33:27 PM



#60
Dibromochloromethane
Concen: 47.750 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion: 129 Resp: 300859
Ion Ratio Lower Upper
129 100
127 77.8 39.9 119.7





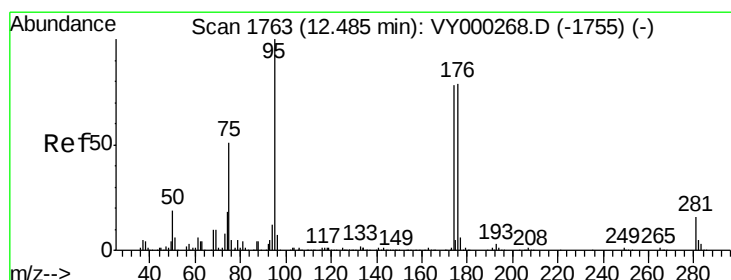
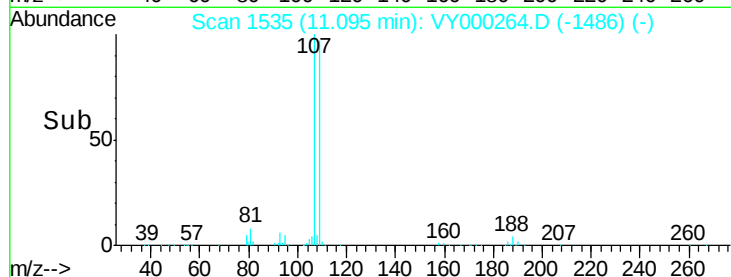
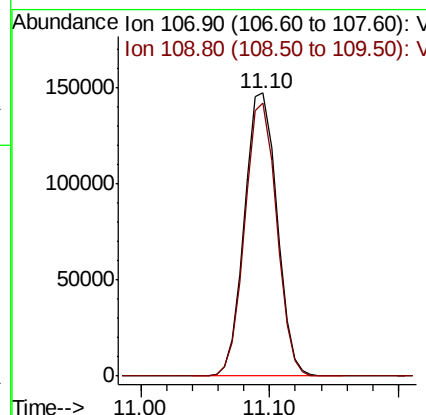
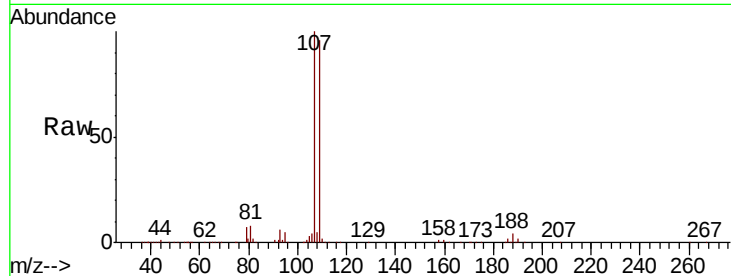
#61
 1,2-Dibromoethane
 Concen: 47.067 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.1	112.7

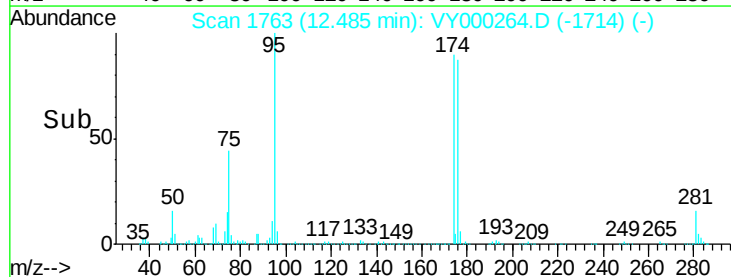
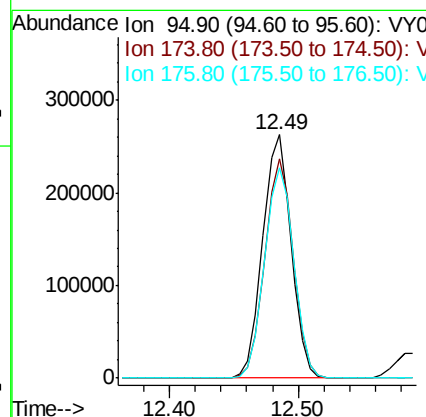
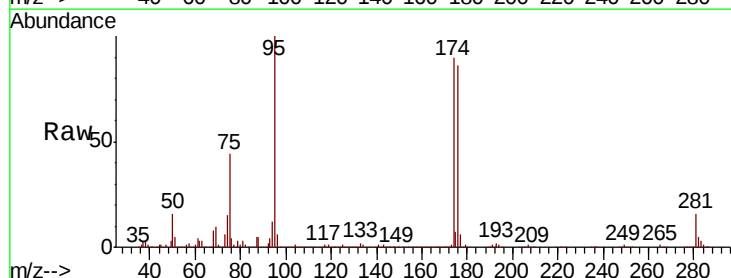
Manual Integrations
 APPROVED

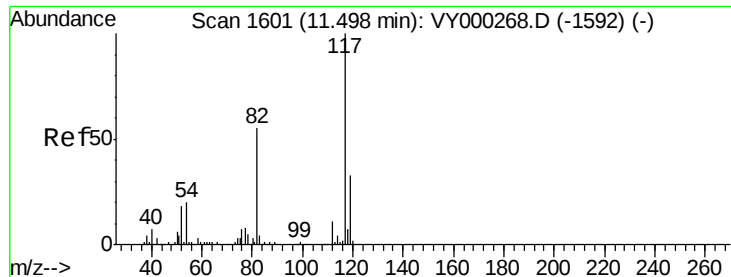
MMDadoda
 10/15/2019 12:33:27 PM



#62
 4-Bromofluorobenzene
 Concen: 45.165 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	159.6
176	89.0	0.0	153.8





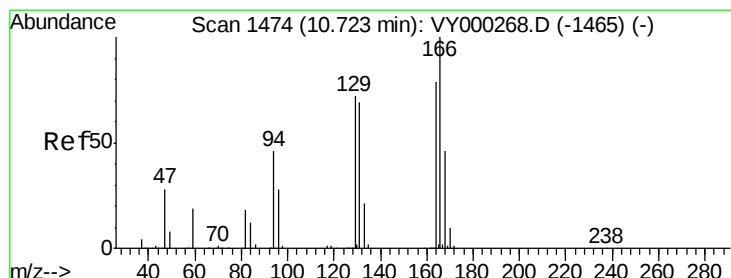
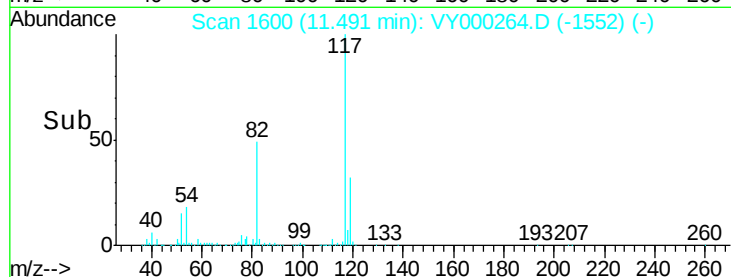
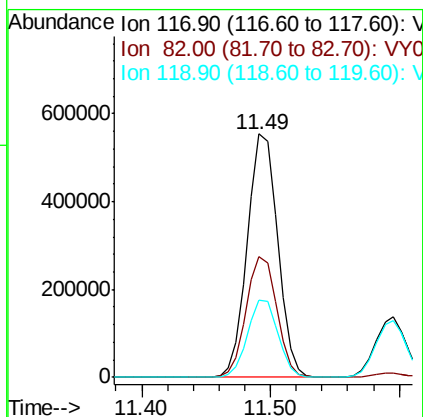
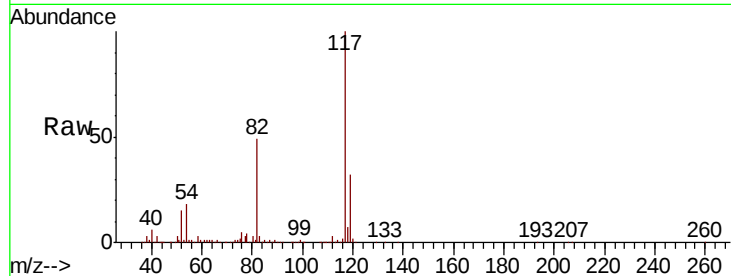
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	901729		
82	49.4		43.7	65.5
119	31.9		26.6	39.8

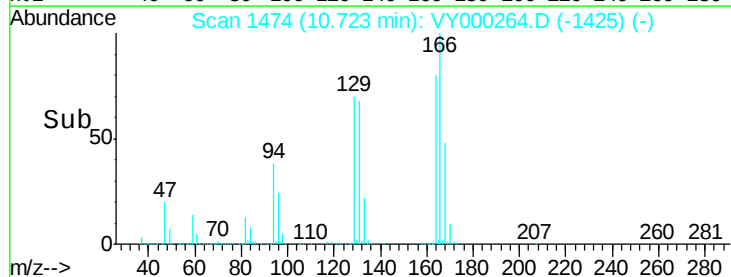
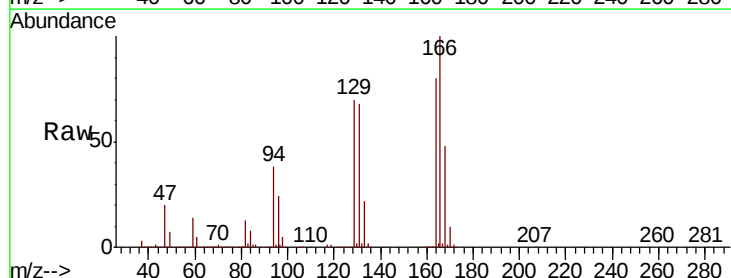
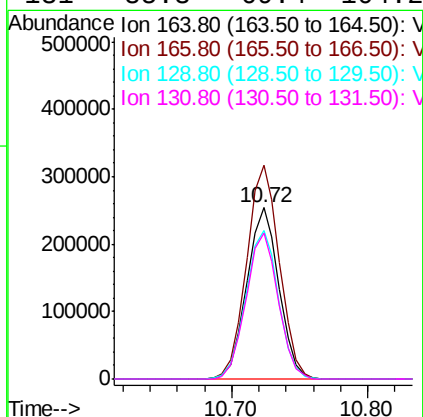
Manual Integrations
APPROVED

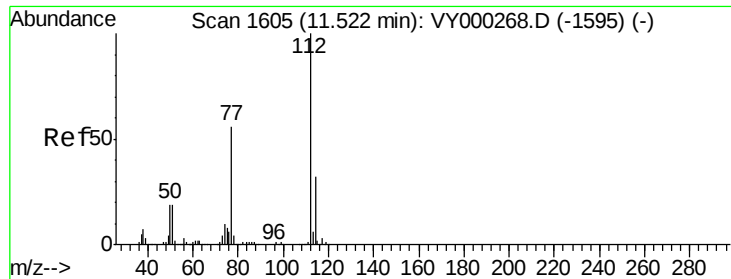
MMDadoda
10/15/2019 12:33:27 PM



#64
Tetrachloroethene
Concen: 48.865 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	419488		
166	124.7		100.6	151.0
129	87.0		72.8	109.2
131	85.3		69.4	104.2





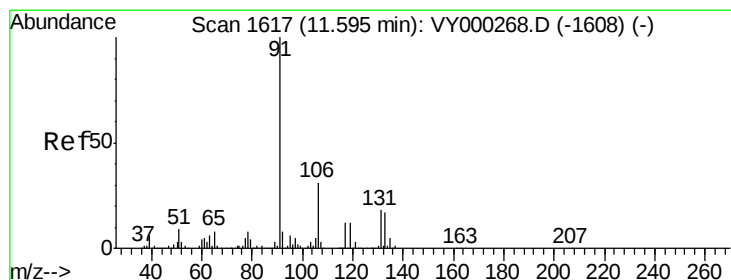
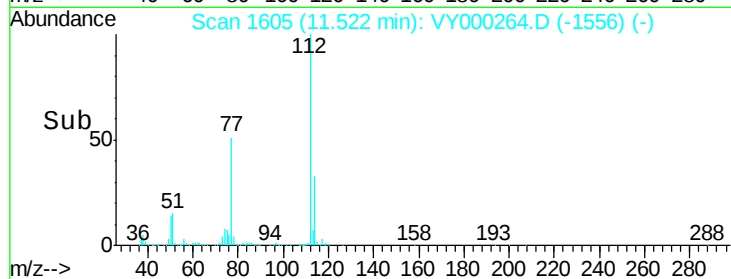
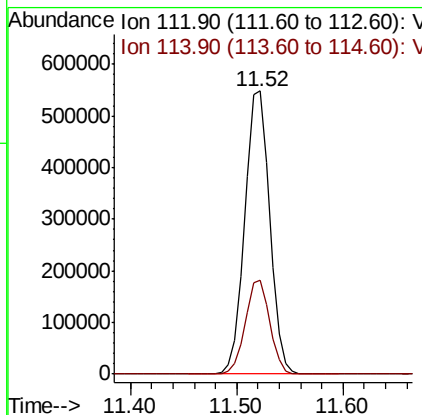
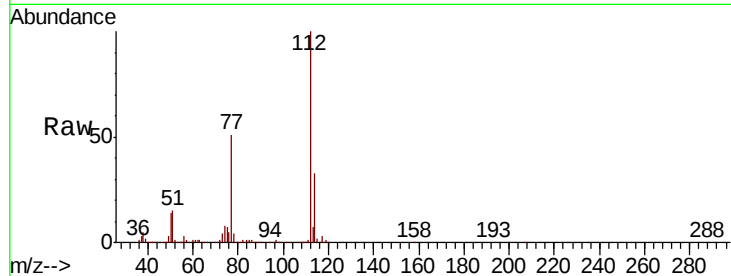
#65
Chlorobenzene
Concen: 47.590 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.7	38.5

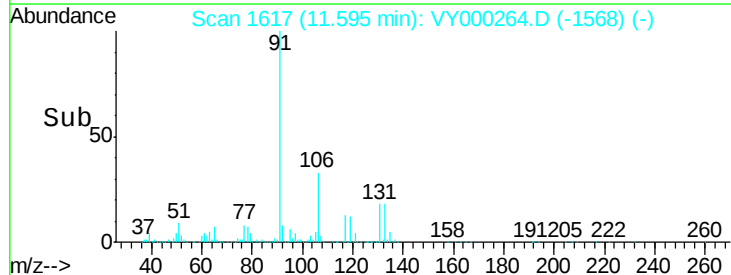
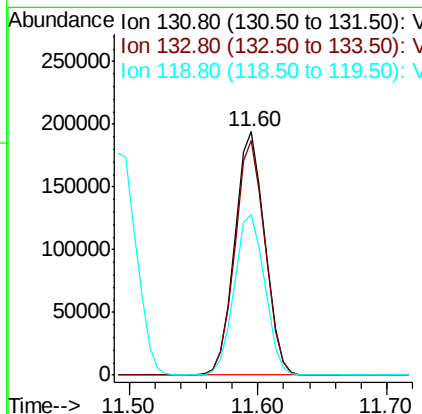
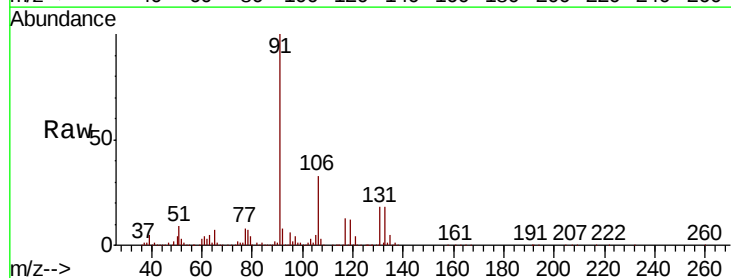
Manual Integrations
APPROVED

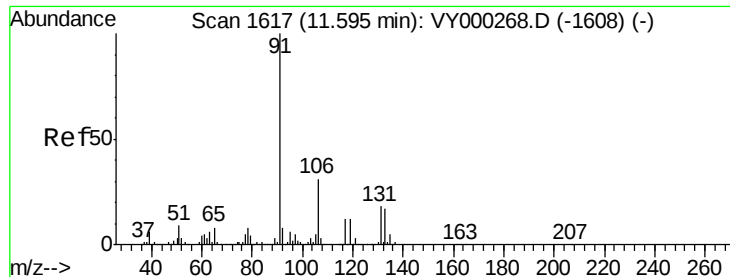
MMDadoda
10/15/2019 12:33:27 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.903 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.2	141.6
119	67.2	32.6	98.0





#67

Ethyl Benzene

Concen: 45.468 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1604014

Ion Ratio Lower Upper

91 100

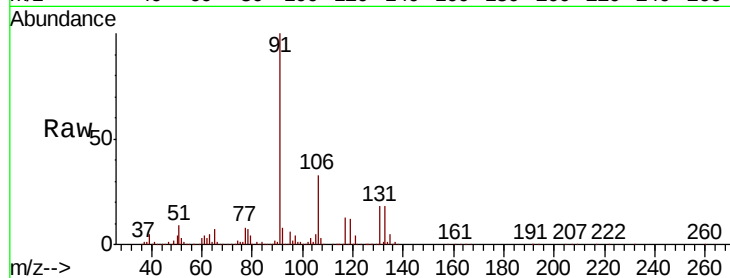
106 32.7 25.0 37.6

Manual Integrations

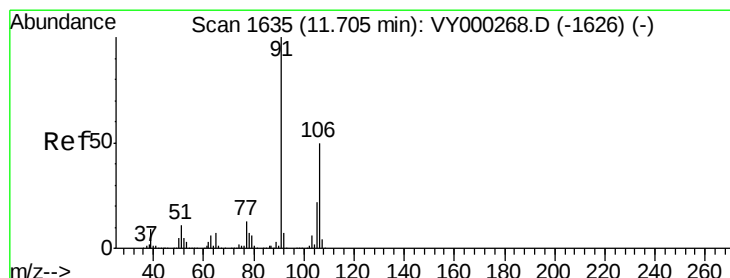
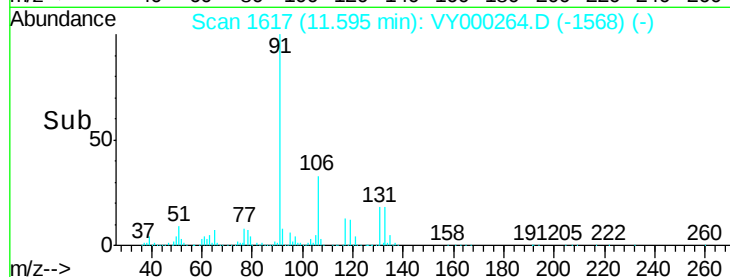
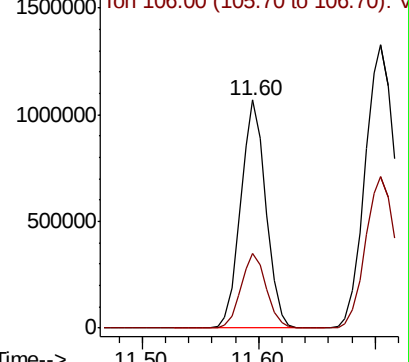
APPROVED

MMDadoda

10/15/2019 12:33:27 PM



Abundance Ion 91.00 (90.70 to 91.70): VY000264.D (-1568) (-)



#68

m/p-Xylenes

Concen: 94.272 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VY000264.D

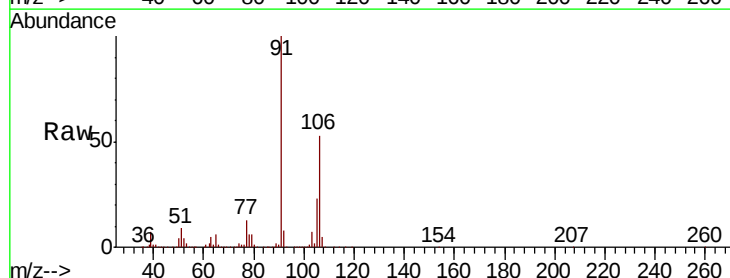
Acq: 11 Oct 2019 11:50

Tgt Ion: 106 Resp: 1271383

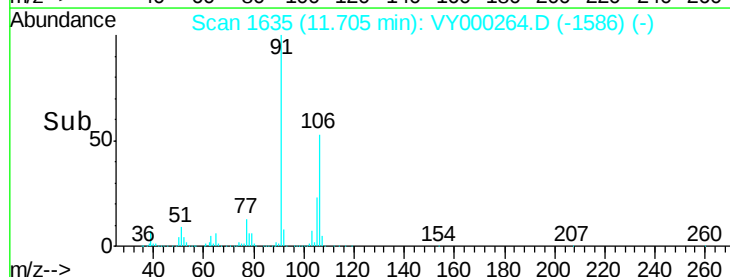
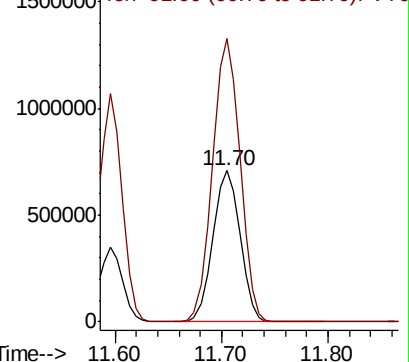
Ion Ratio Lower Upper

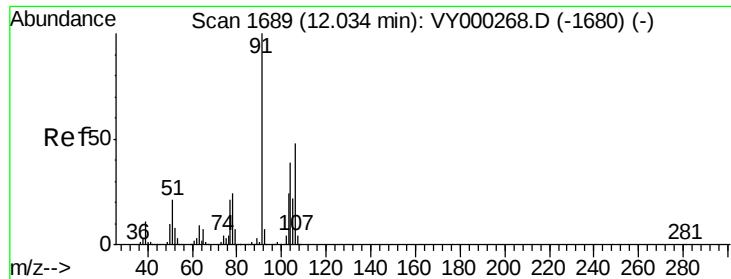
106 100

91 189.2 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VY000264.D (-1586) (-)





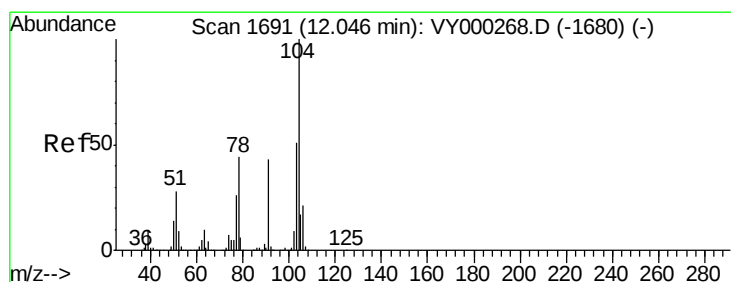
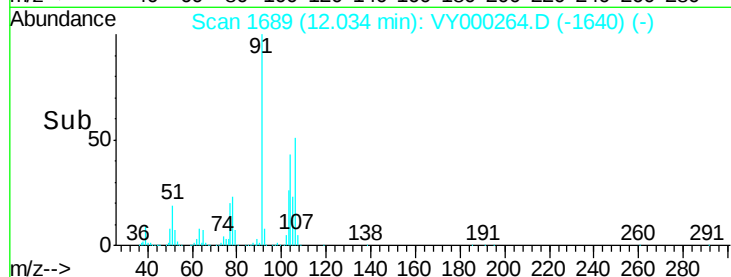
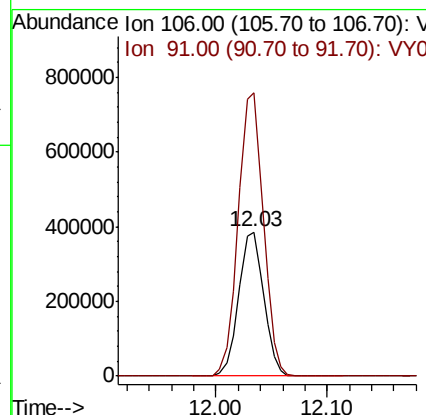
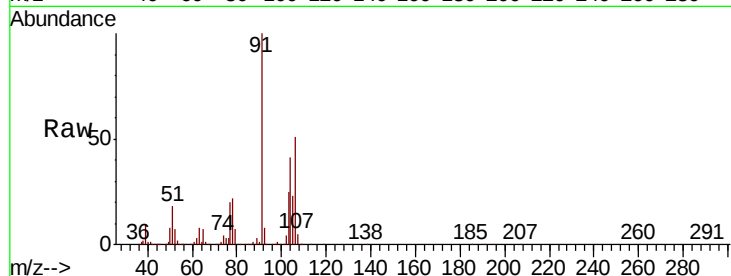
#69
o-Xylene
Concen: 46.733 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 601243
Ion Ratio Lower Upper
106 100
91 198.1 104.7 313.9

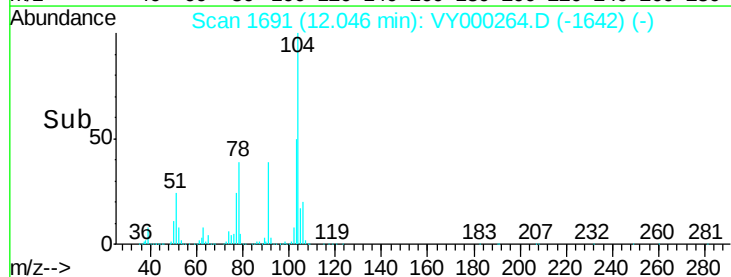
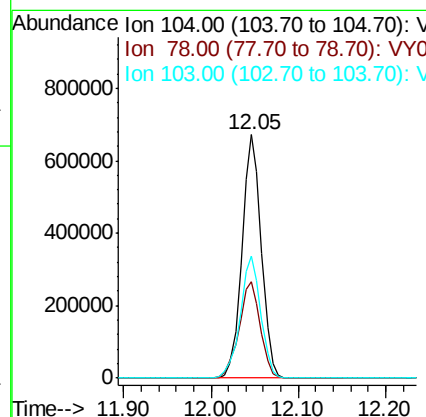
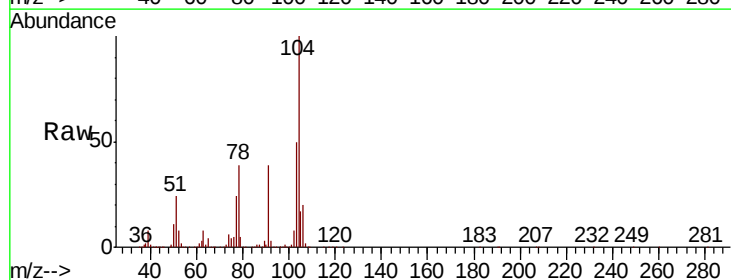
Manual Integrations
APPROVED

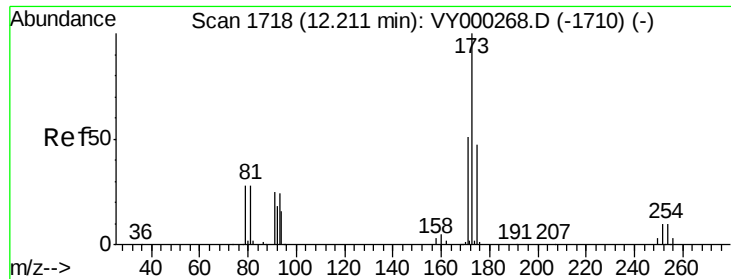
MMDadoda
10/15/2019 12:33:27 PM



#70
Styrene
Concen: 47.574 ug/l
RT: 12.05 min Scan# 1691
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion:104 Resp: 1032239
Ion Ratio Lower Upper
104 100
78 43.6 39.0 58.6
103 53.4 43.1 64.7





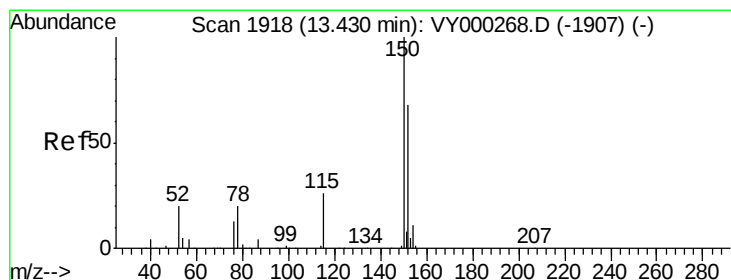
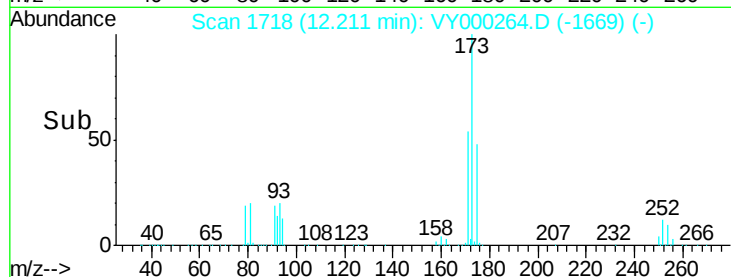
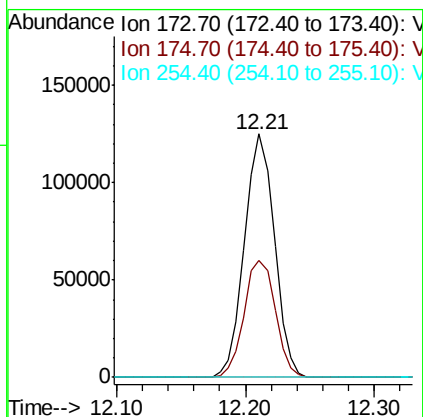
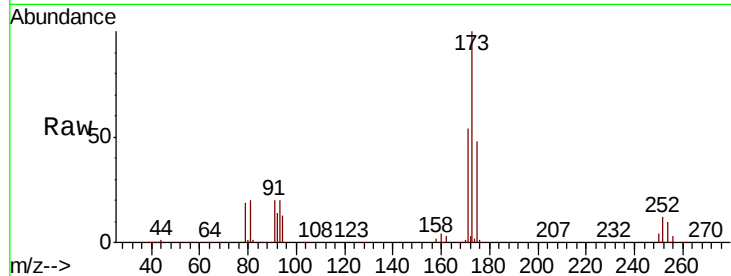
#71
Bromoform
Concen: 52.310 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.6	73.6
254	0.1	0.1	0.1#

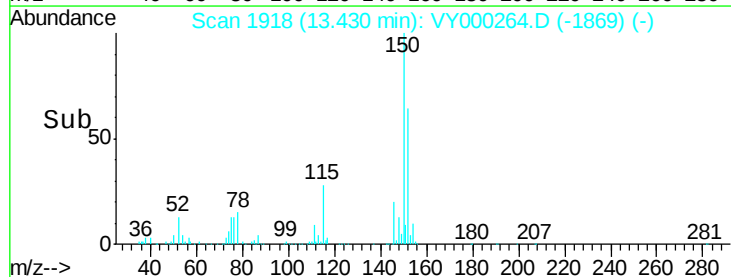
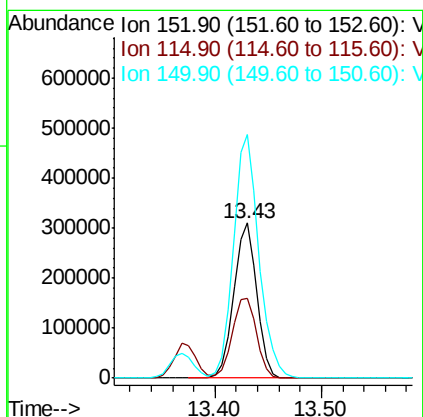
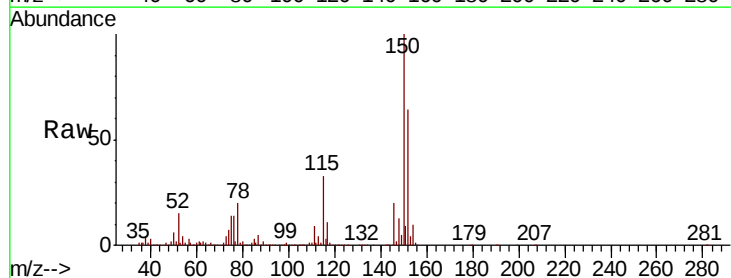
Manual Integrations
APPROVED

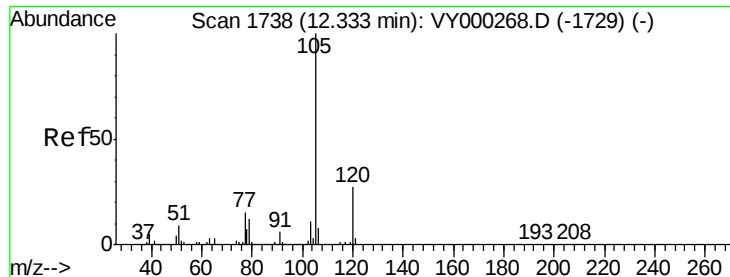
MMDadoda
10/15/2019 12:33:27 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	29.3	88.0
150	173.2	0.0	348.4





#73

Isopropylbenzene

Concen: 44.535 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1622484

Ion Ratio Lower Upper

105 100

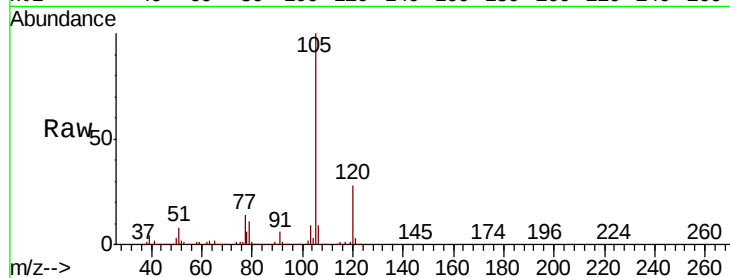
120 28.1 13.4 40.2

Manual Integrations

APPROVED

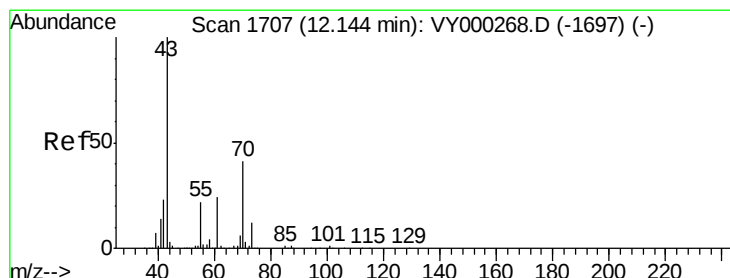
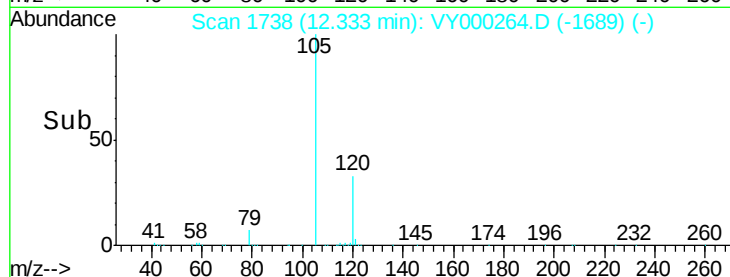
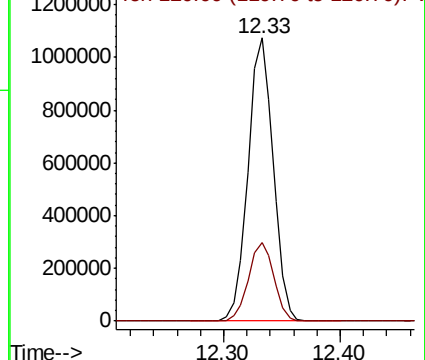
MMDadoda

10/15/2019 12:33:27 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 36.136 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tgt Ion: 43 Resp: 323195

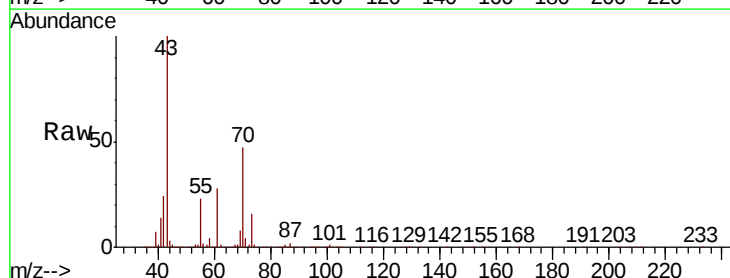
Ion Ratio Lower Upper

43 100

70 48.7 32.9 49.3

55 24.4 17.8 26.6

61 27.8 19.5 29.3

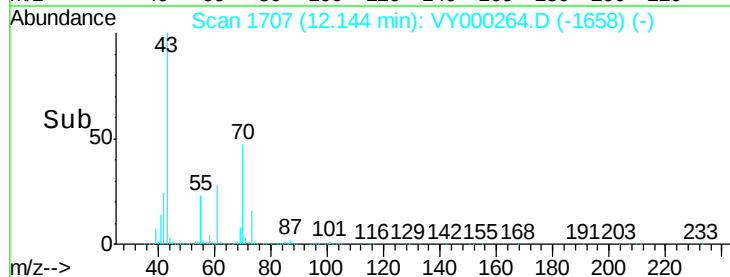
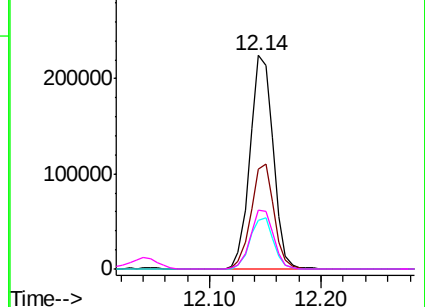


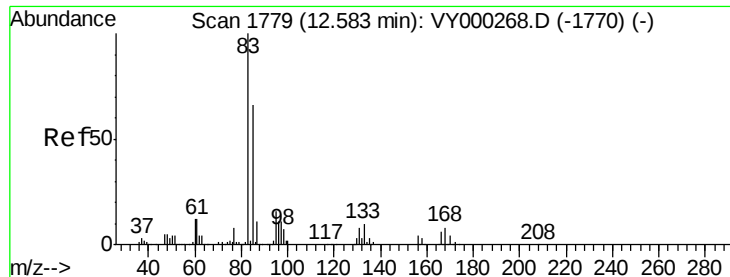
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.192 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

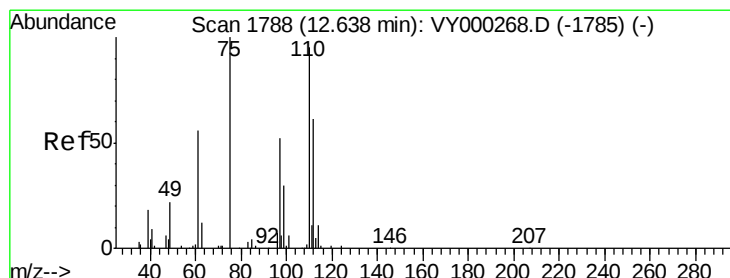
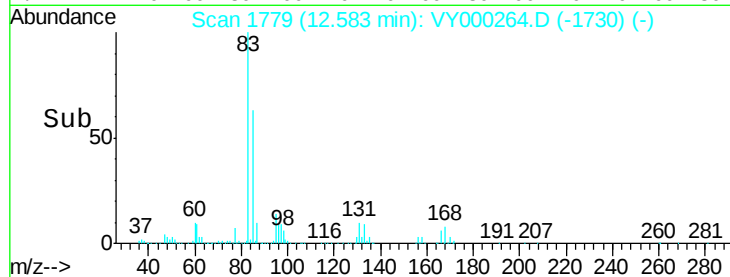
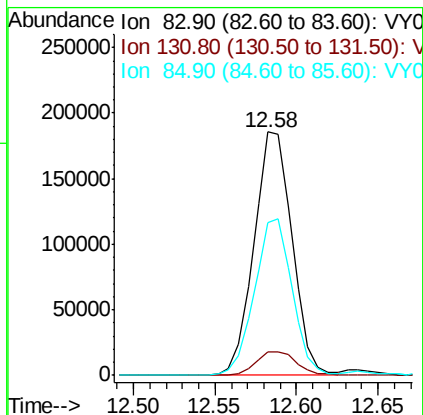
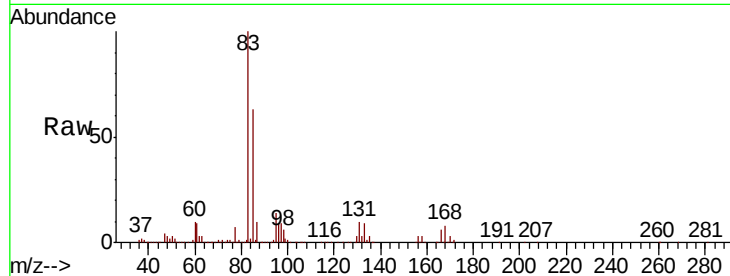
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	302287
Ion Ratio		Lower	Upper
83	100		
131	10.5	5.3	16.1
85	63.4	32.9	98.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 36.382 ug/l m

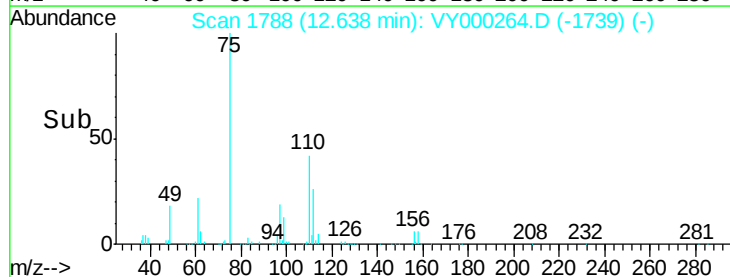
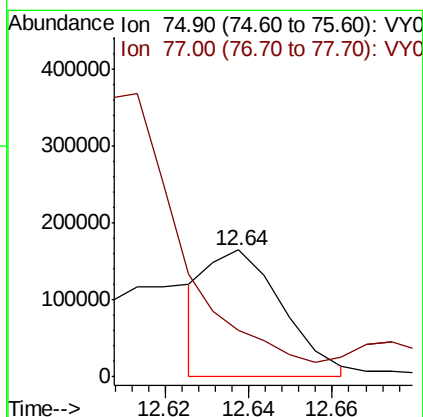
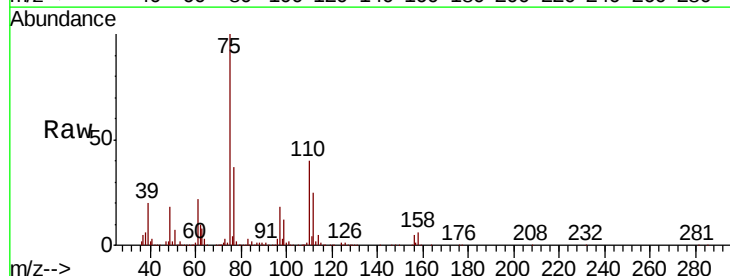
RT: 12.64 min Scan# 1788

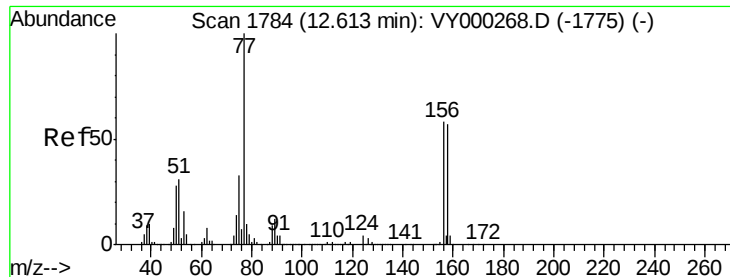
Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Tgt Ion:	75	Resp:	209025
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





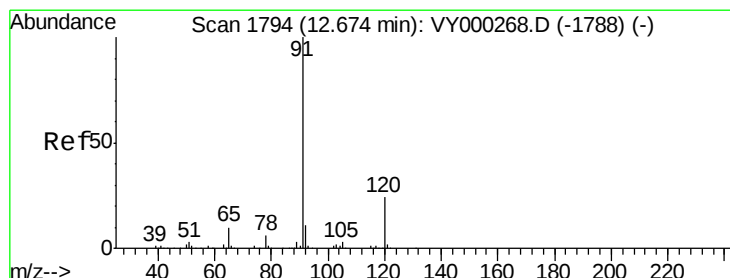
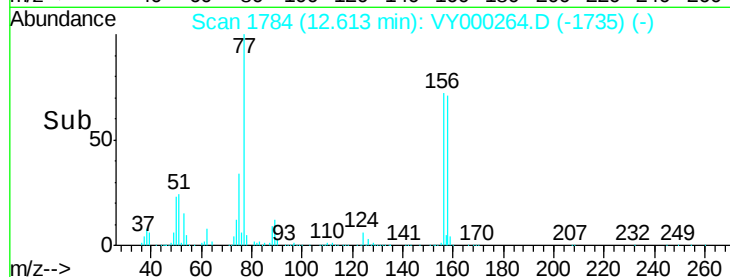
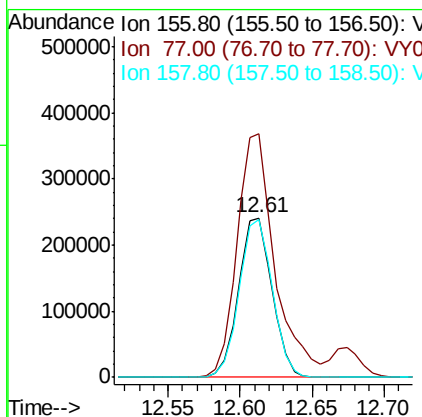
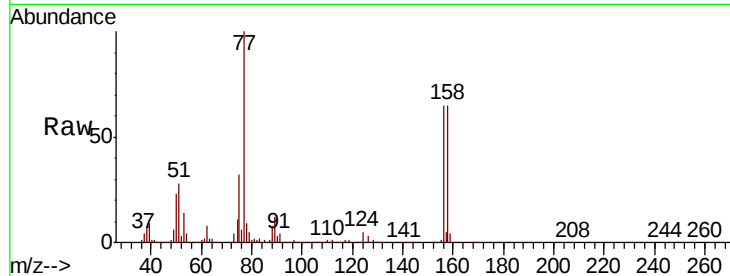
#77
Bromobenzene
Concen: 47.679 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	173.8	101.0	302.9	
158	98.5	49.7	149.1	

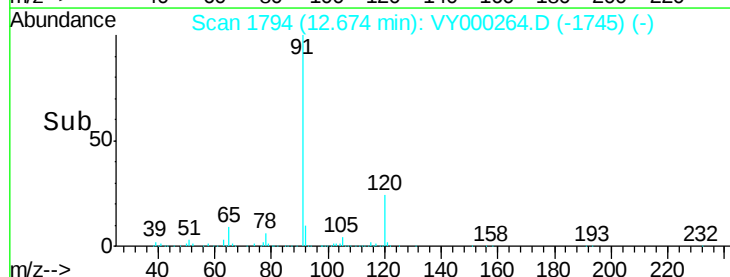
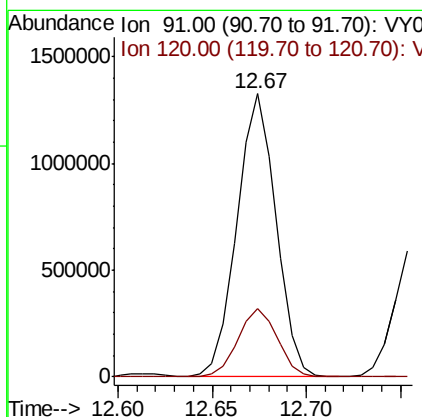
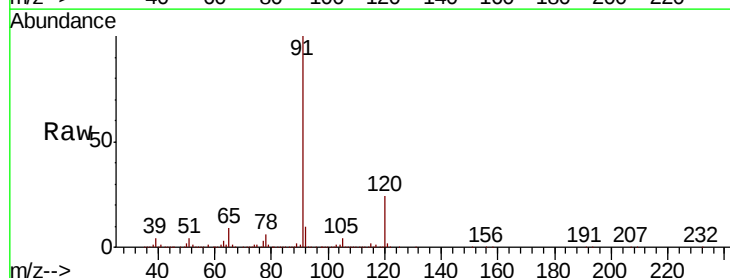
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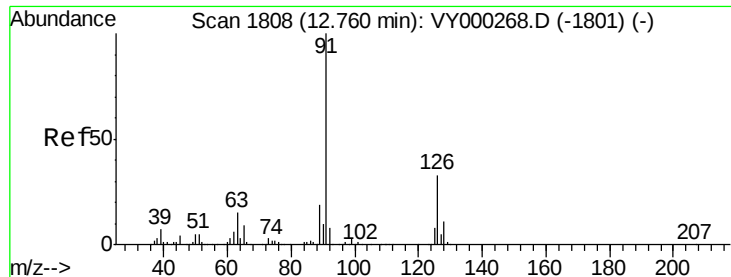
MMDadoda
10/15/2019 12:33:27 PM



#78
n-propylbenzene
Concen: 43.587 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.3	11.5	34.5	





#79

2-Chlorotoluene

Concen: 43.371 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VY000264.D

Acq: 11 Oct 2019 11:50

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1047713

Ion Ratio Lower Upper

91 100

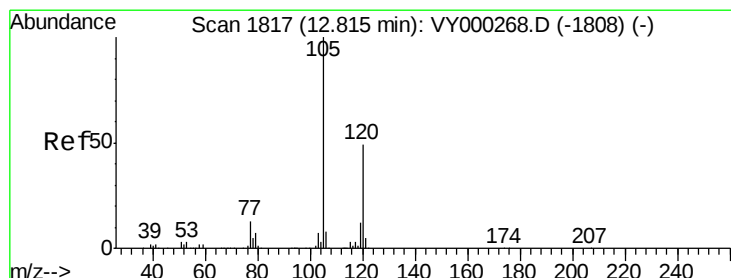
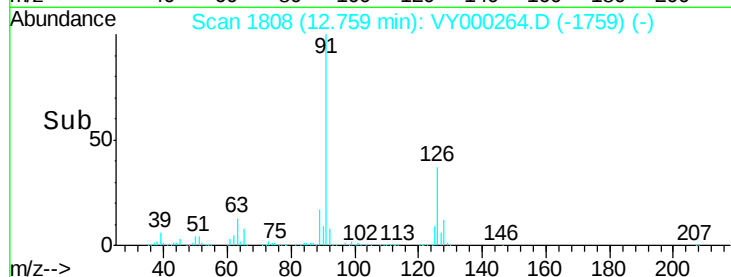
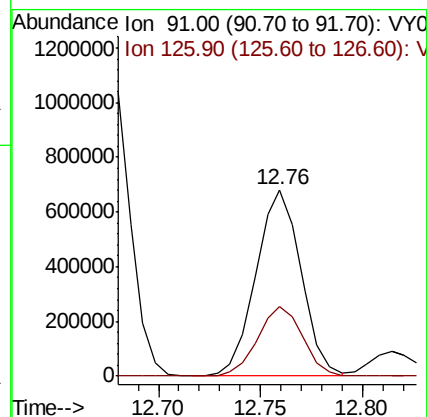
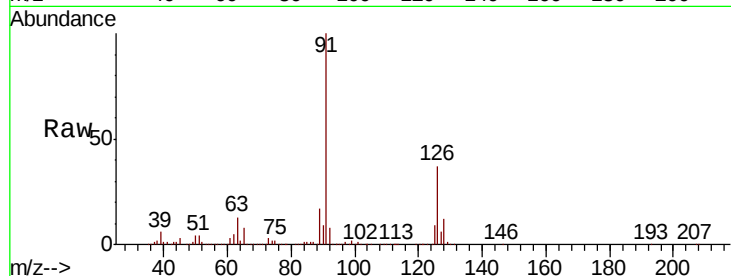
126 37.2 17.1 51.3

Manual Integrations

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MMDadoda

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#80

1,3,5-Trimethylbenzene

Concen: 43.548 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. -0.00 min

Lab File: VY000264.D

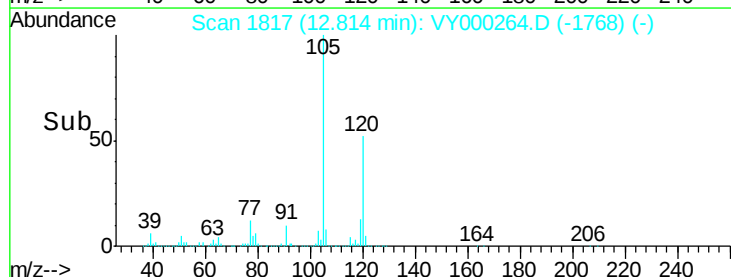
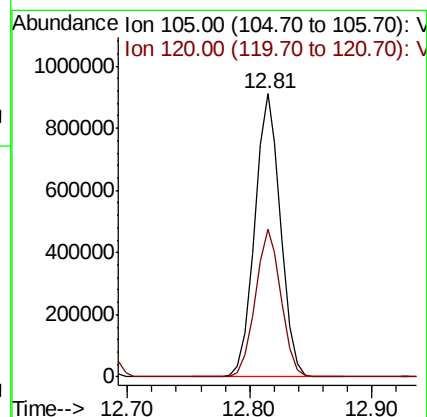
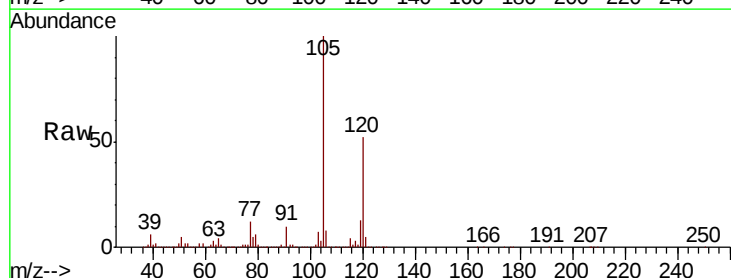
Acq: 11 Oct 2019 11:50

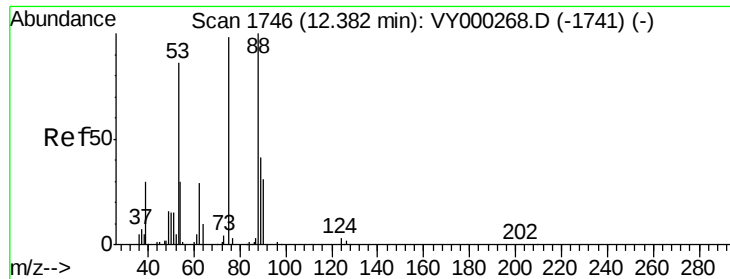
Tgt Ion: 105 Resp: 1330337

Ion Ratio Lower Upper

105 100

120 52.2 24.9 74.8





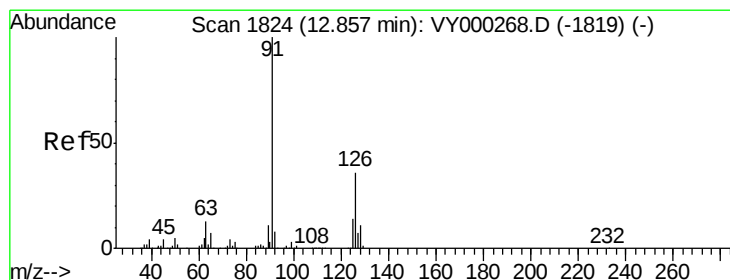
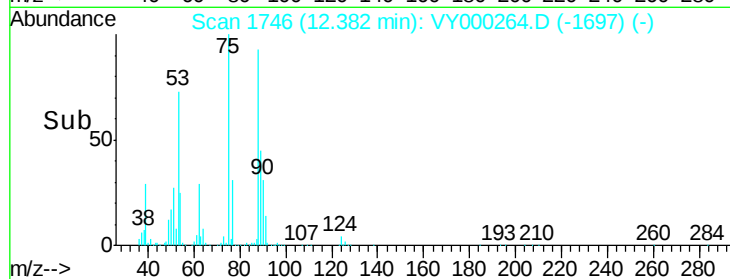
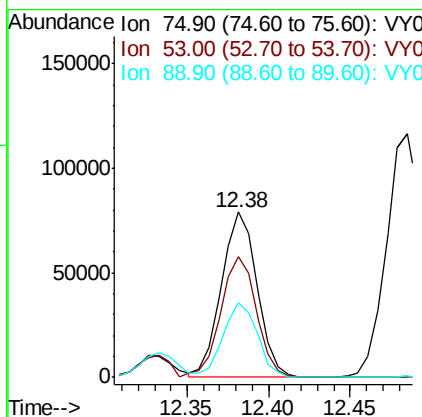
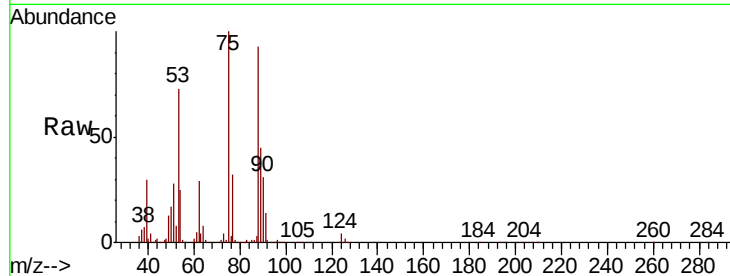
#81
trans-1,4-Dichloro-2-butene
Concen: 45.543 ug/l
RT: 12.38 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	74.3	71.3	106.9
89	43.2	35.1	52.7

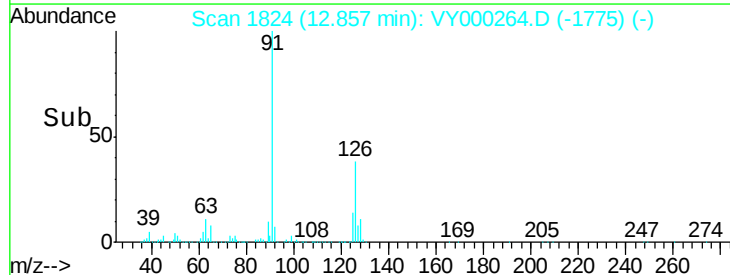
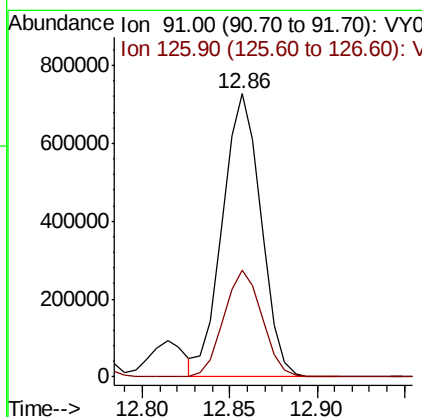
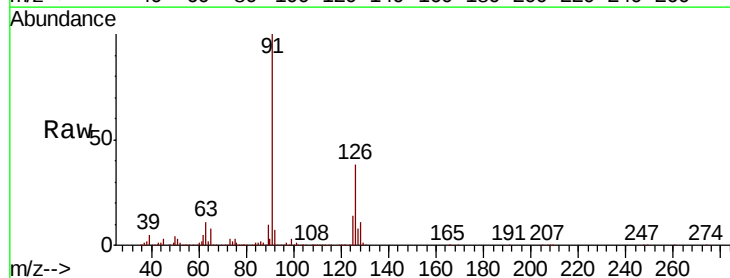
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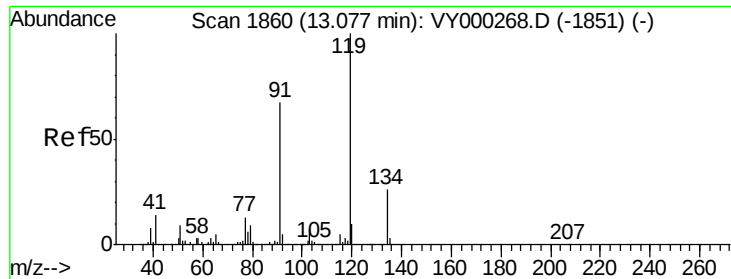
MMDadoda
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#82
4-Chlorotoluene
Concen: 43.467 ug/l
RT: 12.86 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.4	17.2	51.5





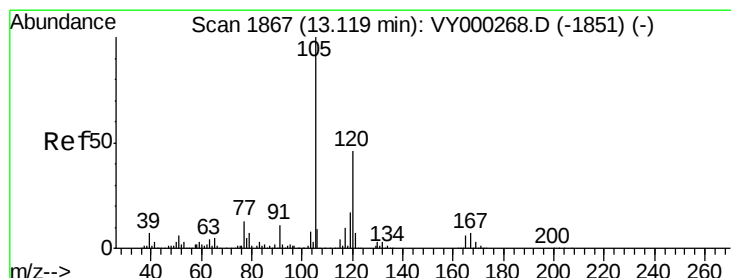
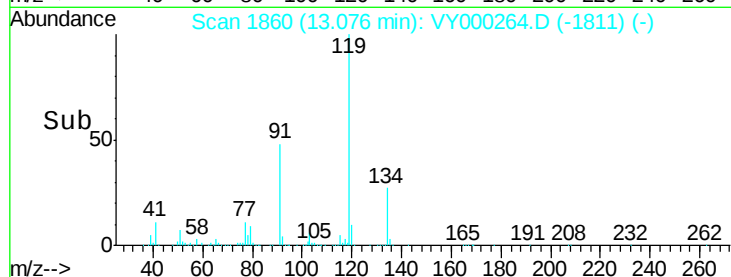
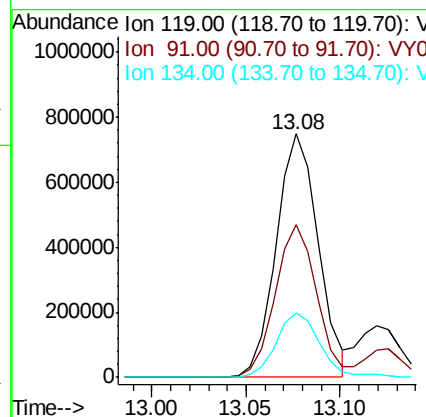
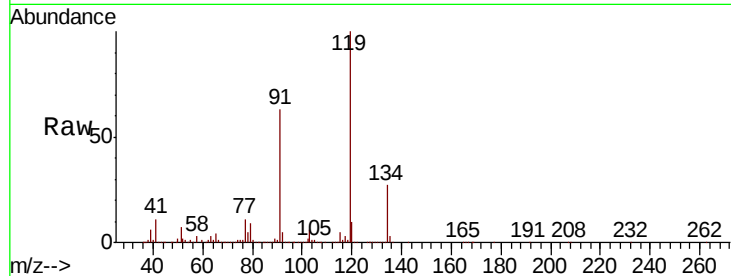
#83
 tert-Butylbenzene
 Concen: 44.607 ug/l
 RT: 13.08 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	32.9	98.7
134	27.8	13.3	39.8

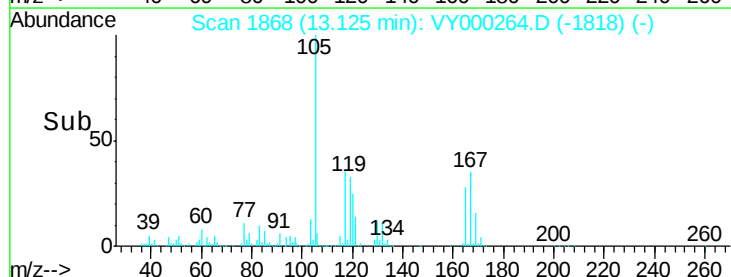
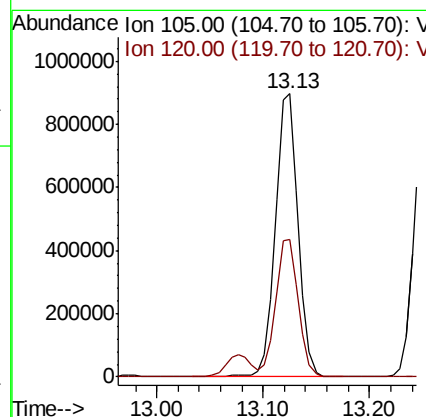
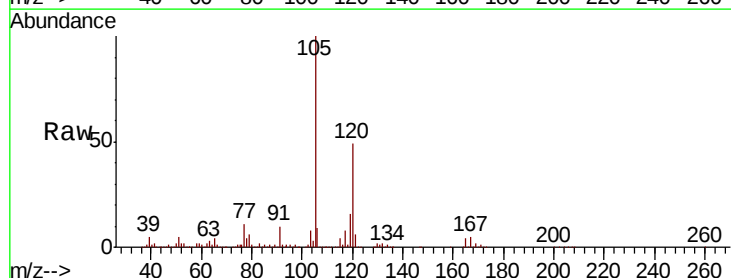
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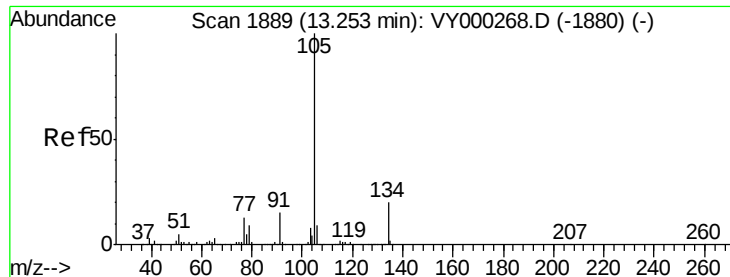
MMDadoda
 10/15/2019 12:33:27 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 44.068 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. 0.01 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.7	22.9	68.8





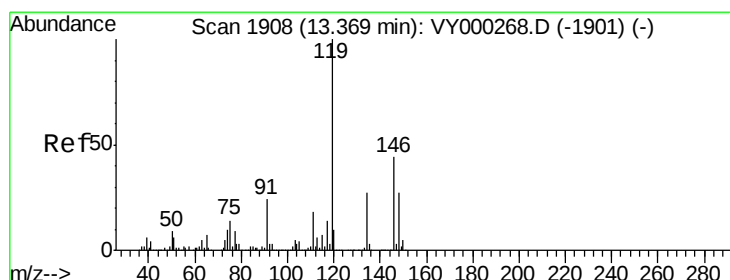
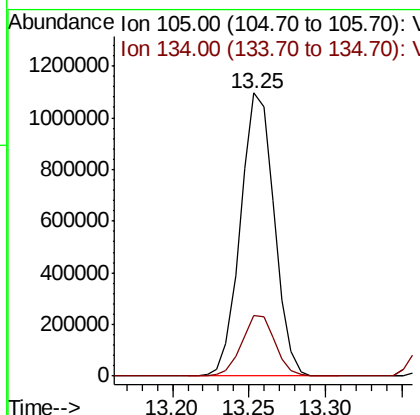
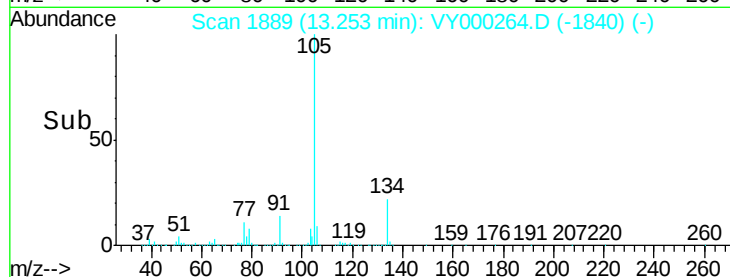
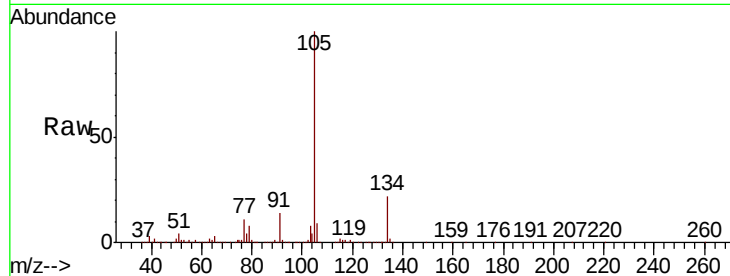
#85
 sec-Butylbenzene
 Concen: 44.780 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1675866
 Ion Ratio Lower Upper
 105 100
 134 21.3 10.1 30.1

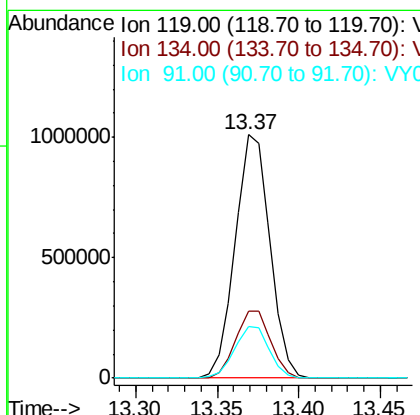
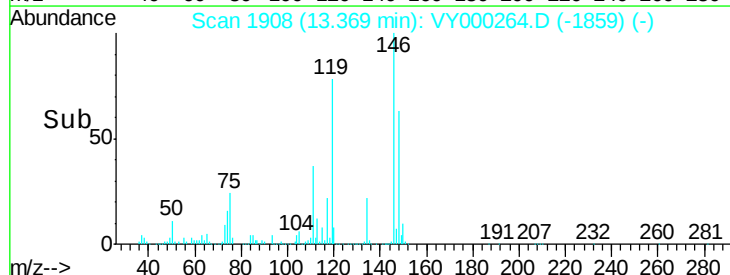
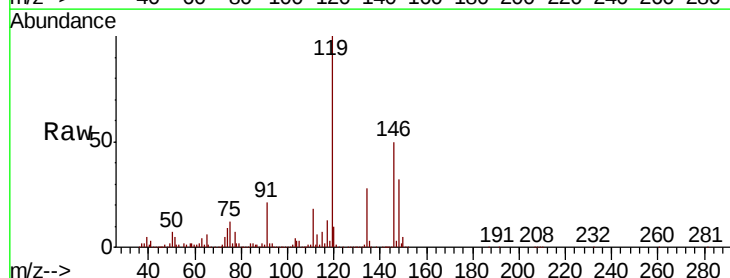
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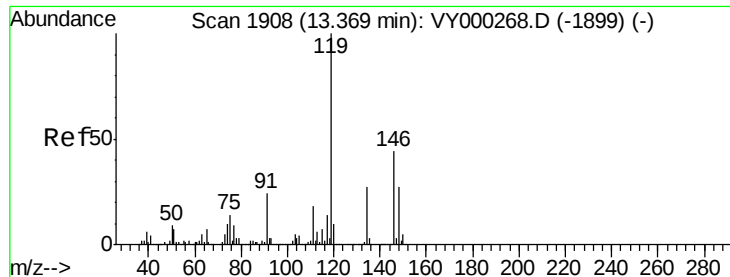
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 46.066 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion:119 Resp: 1502983
 Ion Ratio Lower Upper
 119 100
 134 27.8 13.6 40.8
 91 21.1 12.0 36.1





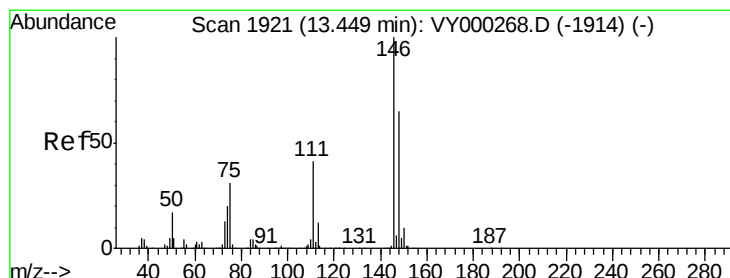
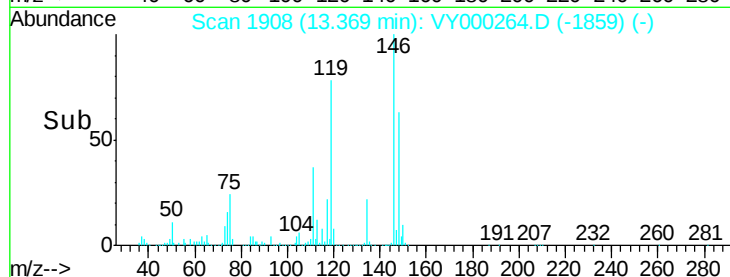
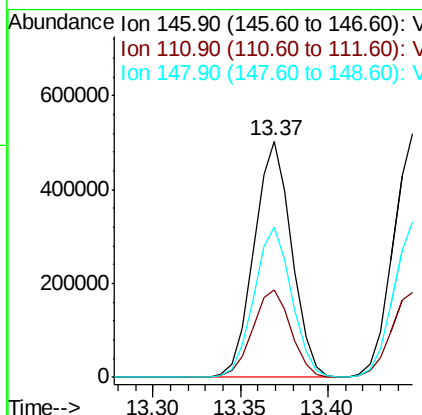
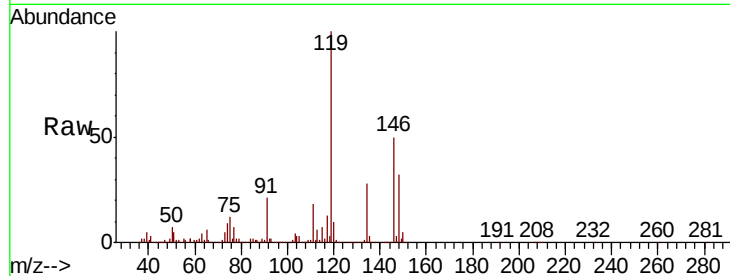
#87
 1,3-Dichlorobenzene
 Concen: 47.416 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	20.6	61.8
148	63.6	31.9	95.5

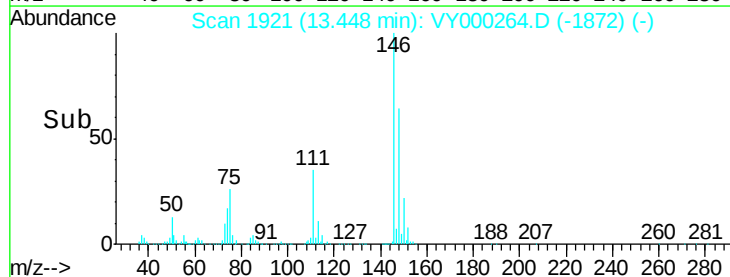
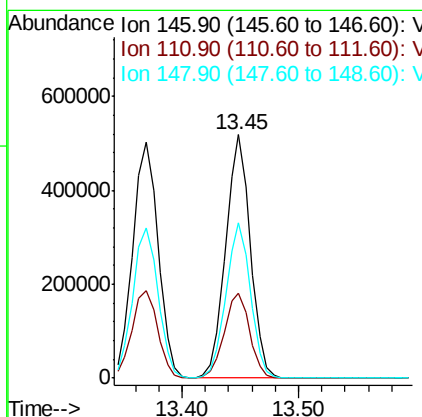
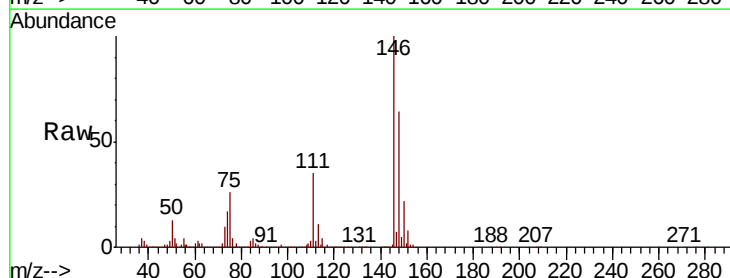
Manual Integrations
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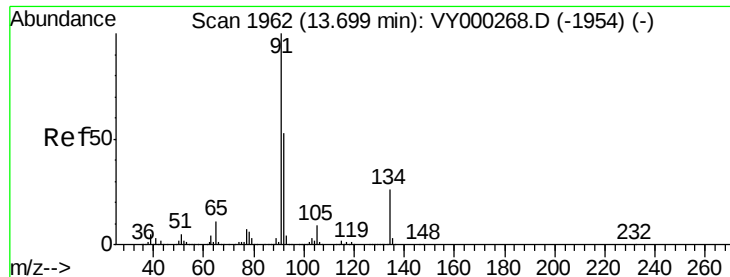
MMDadoda
 10/15/2019 12:33:27 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.477 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	20.1	60.2
148	63.7	32.4	97.2





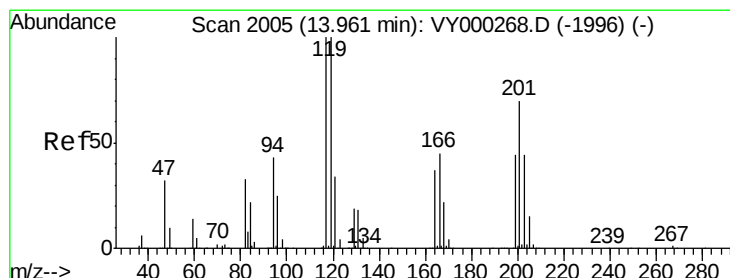
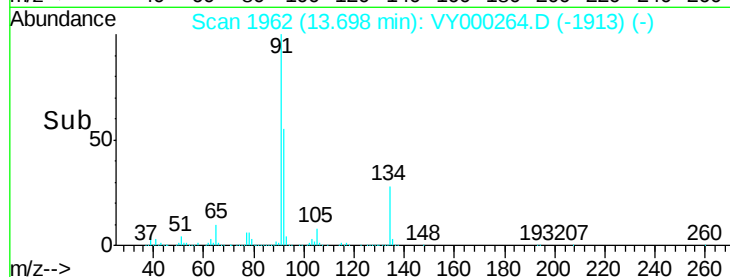
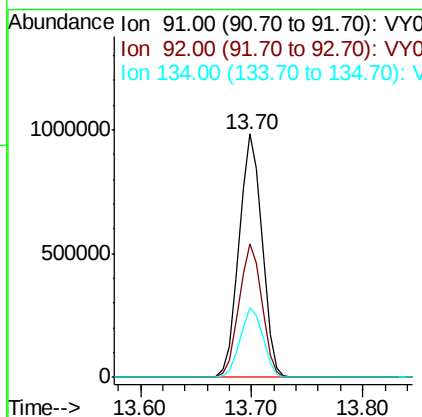
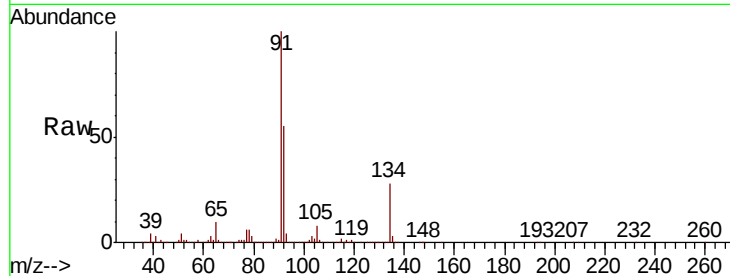
#89
n-Butylbenzene
Concen: 43.605 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.7	80.1
134	28.3	13.0	38.9

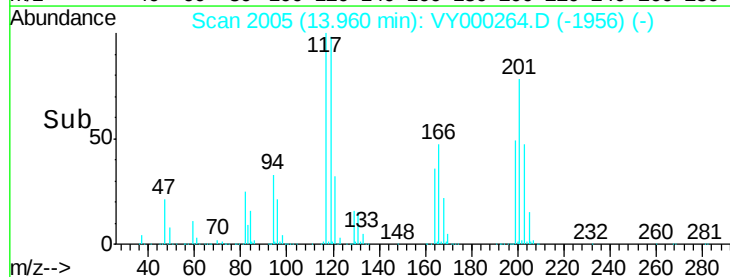
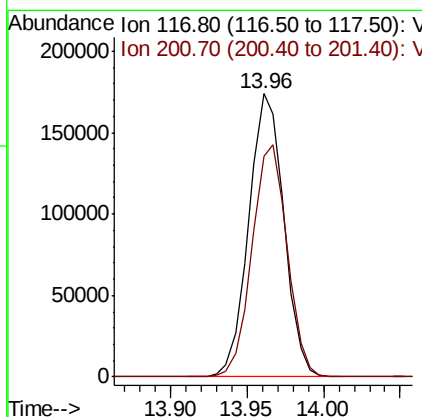
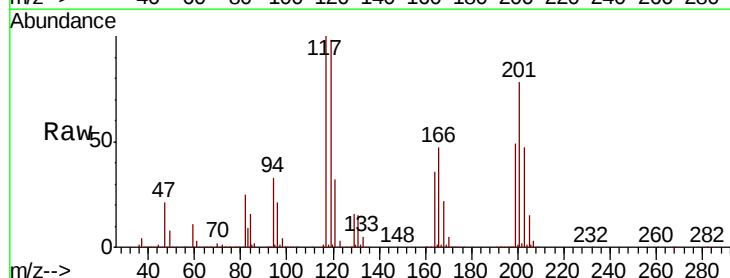
Manual Integrations
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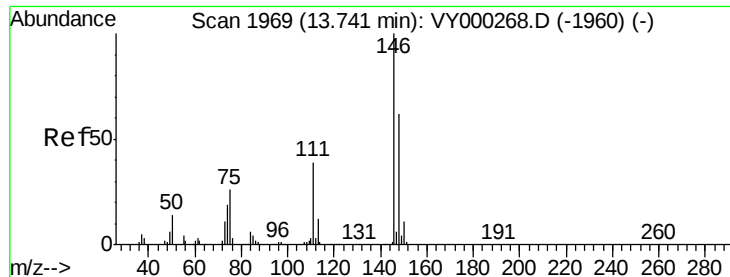
MMDadoda
10/15/2019 12:33:27 PM



#90
Hexachloroethane
Concen: 46.003 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	36.3	108.7





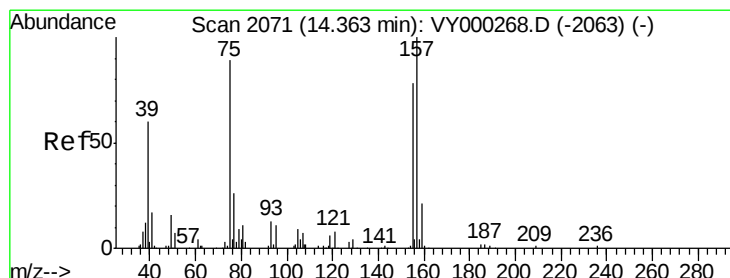
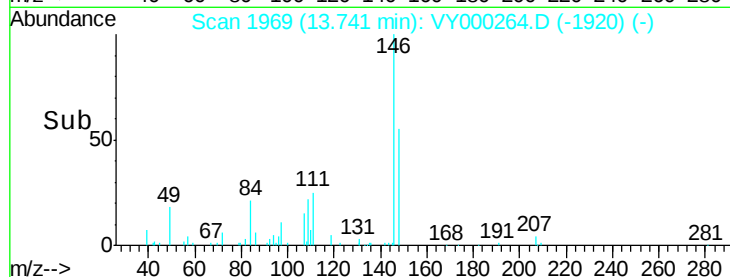
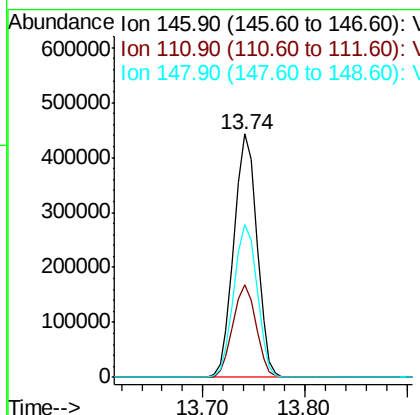
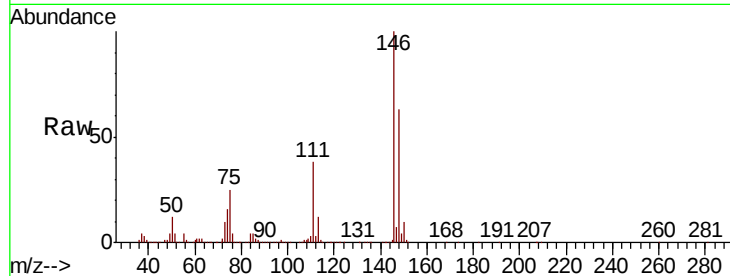
#91
 1,2-Dichlorobenzene
 Concen: 47.824 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	20.5	61.5
148	63.6	31.6	95.0

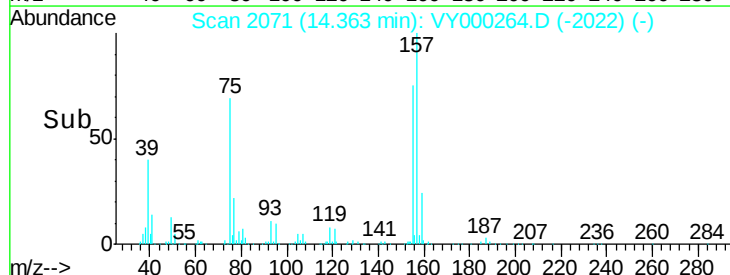
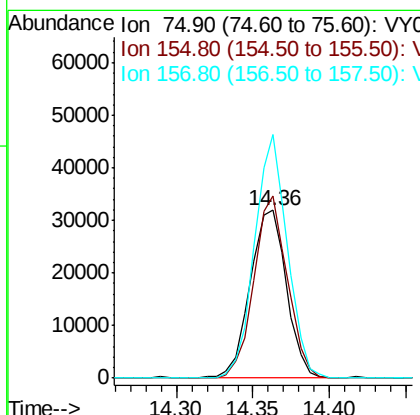
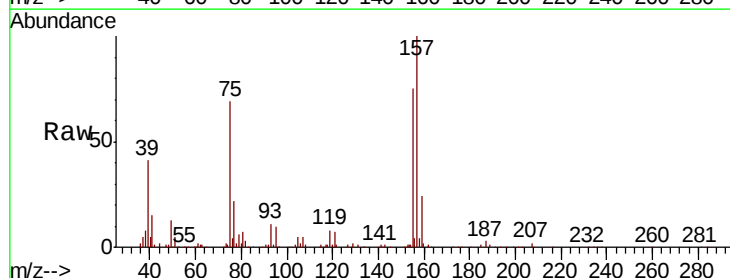
Manual Integrations
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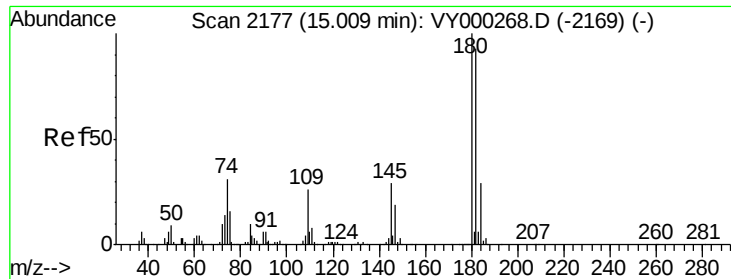
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.795 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.8	45.8	137.3
157	130.5	55.6	166.9





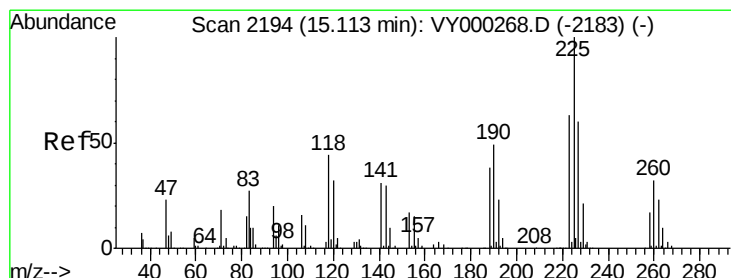
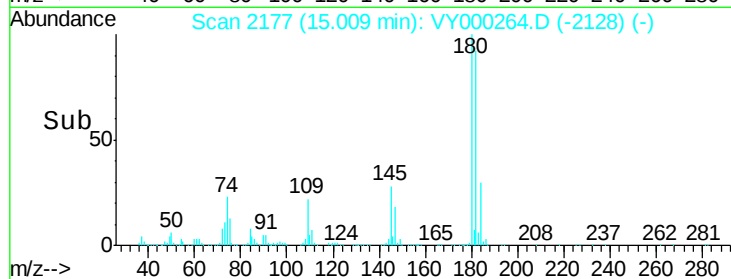
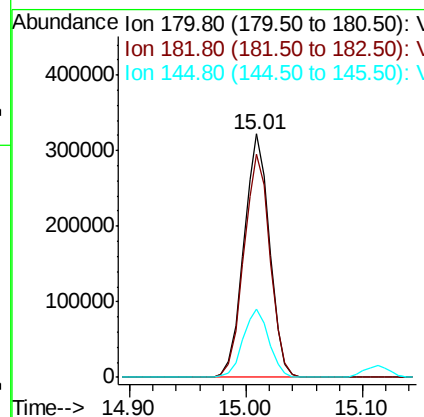
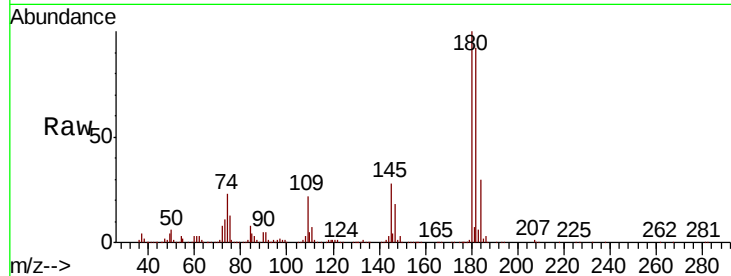
#93
 1,2,4-Trichlorobenzene
 Concen: 49.196 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	495119		
182	93.1	47.5	142.6	
145	28.2	15.4	46.1	

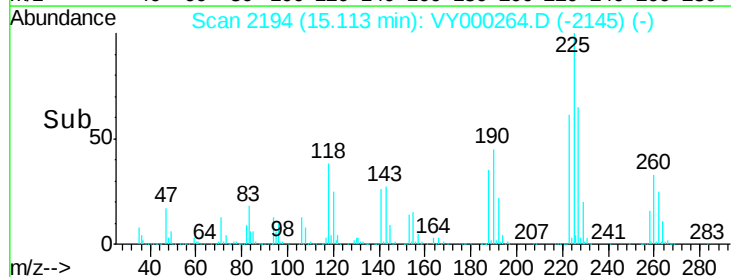
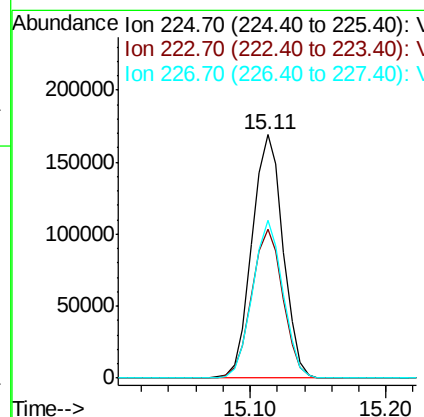
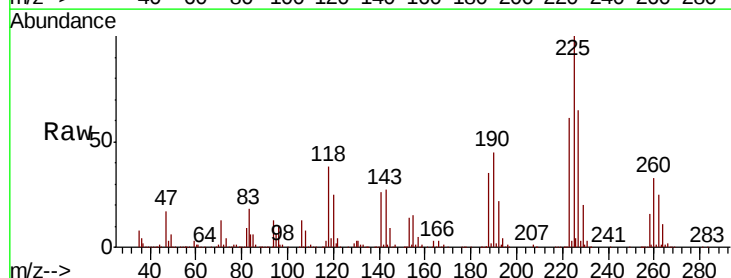
Manual Integrations
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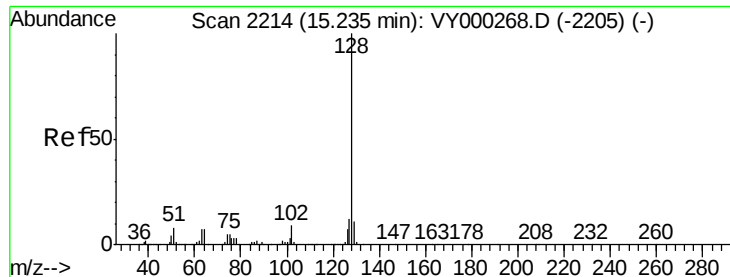
MMDadoda
 10/15/2019 12:33:27 PM



#94
 Hexachlorobutadiene
 Concen: 49.775 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VY000264.D
 Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	271095		
223	61.7	31.9	95.7	
227	63.6	31.4	94.2	





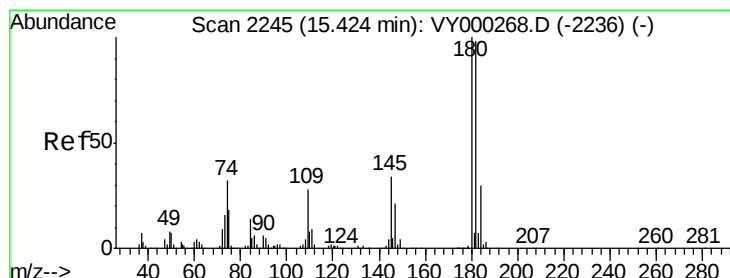
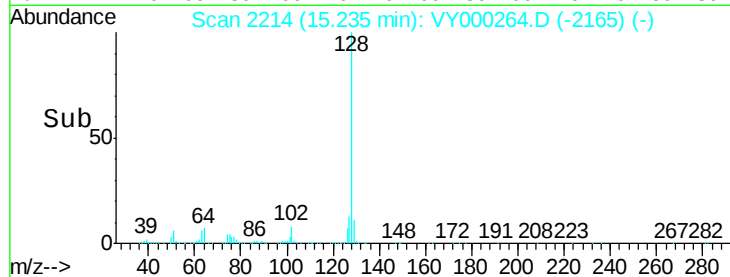
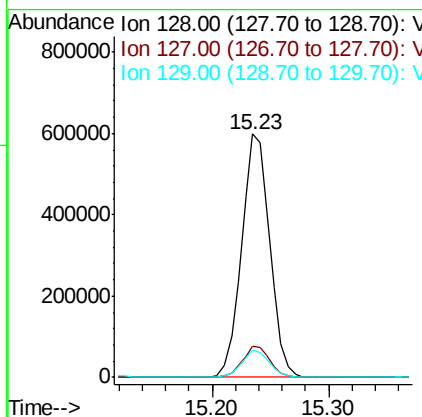
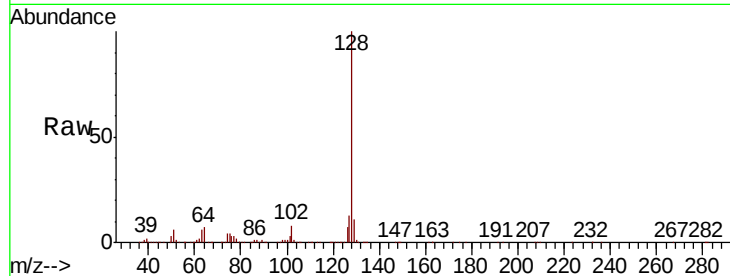
#95
Naphthalene
Concen: 44.838 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.6	14.4
129	10.9	8.7	13.1

Manual Integrations
APPROVED

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10/15/2019 12:33:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.144 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VY000264.D
Acq: 11 Oct 2019 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	46.5	139.5
145	29.5	16.2	48.5

